DATA VALIDATION CHECKLIST (Level III)				
Client Name: Pastor, Behling, & Wheeler	Project Number: 1352			
Property Location: Gulfco Superfund Site	Project Manager: Eric Pastor			
Laboratory: GCAL – Baton Rouge, LA	Laboratory Job No.: 206121514			
Reviewer: Taryn Scholz and Don Flory (QAA, L.L.C.)	Date Checked: 2/13/07			
ITEM	**Yes**	**No**	**NA**	**Comment Number**
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	x			
2. Date and time of sample collection included?	x			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?	x			
4. Field QC sample frequency met project requirements?	x			
5. Sample receipt temperature 2-6°C?	x			
6. Samples preserved appropriately?	x			
7. Samples received within 2 days of collection?		x		7.
8. No problems noted?	x			
Laboratory Report and Data Package				
9. Signed Case Narrative included?	x			
10. No analytical discrepancies noted in case narrative?	x			
11. Elevated reporting limits justified?			x	
12. MDLs reasonable per DCS?	x			
13. Calibration data acceptable?	x			
14. ICV and CCV recoveries within project control limits?		x		14.
15. ICB and CCB results <RL (MQL)?			x	
16. Internal standard areas within project control limits?			x	
Laboratory EDD				
17. Field sample IDs included?	x			
18. Laboratory sample IDs included?	x			
19. Date of analysis included?	x			
20. Date of sample preparation included?	x			
21. Samples prepared within holding time?	x			
22. Samples analyzed within holding time?	x			
23. Detection limit and quantitation limit included?	x			
24. Project target limits achieved?	x			
25. No elevated reporting limits?	x			
26. Method references included?	x			
27. Sample matrix included?	x			
28. Sample result units reported correctly?	x			28.
29. Soil/ sediment results corrected for dry-weight?	x			
30. Method blank results <RL (MDL)?	x			
31. Equipment and Trip blank results <RL (MDL)?			x	
32. All COIs included in LCS?	x			
33. LCS recovery within project control limits?	x			
34. MS/MSD recoveries within project control limits?	x			
35. LCS/LCSD RPDs within project control limits?	x			
36. MS/MSD RPDs within project control limits?	x			
37. Laboratory duplicate RPDs/Diffs within project control limits?			x	
38. Field duplicate RPDs/Diffs within project control limits?	x			
39. Surrogate recoveries within project control limits?	x			
40. Completeness percentage within project limits?	x			

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Definitions: **CCB** – Continuing Calibration Blank; **CCV** – Continuing Calibration Verification; **COI** – Compounds of Interest; **DCS** – Detectability Check Sample; **ICB** – Initial Calibration Blank; **ICV** – Initial Calibration Verification; **LCS** – Laboratory Control Sample; **LCSD** – Laboratory Control Sample Duplicate; **MDL** – Method Detection Limit; **MS/MSD** – Matrix Spike/Matrix Spike Duplicate; **RL** – Reporting Limit; **RPD** – Relative Percent Difference				

COMMENTS

Work Order includes a single investigative sample with site QC samples (MS, MSD, field dup) for 4,4'-DDT only

7. Samples were received on day-8. After collection, samples were held on-site in secure, cold storage and then shipped overnight to lab. Samples were received in good condition and analyzed within holding time and thus no effect on data quality.

14. The samples were run in the following order: beginning CCV, sample, MS, MSD, field dup. The DDT %D for the ending CCV is very low at –58%, likely due to the background interference present in the samples. However, the DDT %recovery is good in both the MS (75%) and MSD (76%), which were analyzed between the sample and the ending CCV and thus data quality is considered to be acceptable with standard flagging (J-/UJ) for negative %D outside the control limit.

28. Results, SDLs, and SQLs are in mg/kg dry-weight as requested. However, the user should note that the MDLs and MQLs are in ug/L and this is not accounted for in the Prep Factor or Dilution Factor.

SET SUMMARY
Laboratory Job No.: 206121514

2	Number of Field Samples including Field Duplicates (1)
1	Number of Field MS/MSD Pairs
0	Number of Equipment Rinsate Blanks
0	Number of Field Blanks
NA	Number of VOC Trip Blanks
1	Number of Parameters (Pesticides)
1	Number of Target Analytes per Sample
2	Total Measurements for Field Samples
0	Number of measurements with no validation qualifier (i.e., “none” in EDD)
2	Number of measurements with UJ flag (due to negative calibration drift)
0	Number of measurements with J- flag
0	Number of measurements with J flag
0	Number of measurements with J+ flag
0	Number of measurements with U flag
0	Number of measurements with NS flag
0	Number of measurements with R flag
100%	Completeness-to-date on a sample level (percentage of sediment samples with usable data, project goal 90%)
100%	Completeness-to-date on an analyte level (percentage of sediment samples with usable data for a specific analyte, project goal 80%) – 4,4’-DDT

Usability: All data suitable as qualified for the intended use

168382

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE34-034-(0.0-0.5)	4,4'-DDT	UJ	calibration drift column 1 (%D= -58)
IWSE34-034-(0.0-0.5) FD	4,4'-DDT	UJ	calibration drift column 1 (%D= -58)

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type _code	Analytical _Method	Total_or_ dissolved	Matrix	Parameter	Valid_qualifier	Result_type _code	Prep_date	Prep_time	Analysis _Date	Analysis _Time	QC_comment	QC_ Batch
x	2061219sv18a025	CCV1	SW8081A			4,4'-DDT	J+ to RRs (none)	DDT			12/20/06	9:25	calibration drift column 1 (%D= 17)	
x	2061219sv18a030	CCV1	SW8081A			4,4'-DDT	J- / UJ to RRs/NDs	DDT			12/20/06	11:43	calibration drift column 1 (%D= -58)	

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 12/21/2006

GCAL Report 206121514

Deliver To	QAA, L.L.C. 1007 Francis Dr College Station, TX 77840 979-694-7199
Attn	Taryn Scholz

Customer Pastor, Behling, & Wheeler

Project Gulfco Marine Maintenance Site

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 206121514

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

No anomalies were found for the analyzed sample(s).

168386

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
B	(INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Curtis Ekker

CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 206121514

THIS REPORT CONTAINS 100 PAGES.

168387

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612151401	IWSE34-034-(0.0-0.5)	Solid	12/07/2006 11:02	12/15/2006 12:30
20612151402	IWSE34-034-(0.0-0.5) MS	Solid	12/07/2006 11:02	12/15/2006 12:30
20612151403	IWSE34-034-(0.0-0.5) MSD	Solid	12/07/2006 11:02	12/15/2006 12:30
20612151404	IWSE34-034-(0.0-0.5) FD	Solid	12/07/2006 11:02	12/15/2006 12:30

2F
ORGANICS SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206121514

GC Column (1) : RTX-35MS-3 ID: .25 (mm) GC Cloumn (2) : ID: (mm)

Method: SW-846 8081

	EPA SAMPLE NO.	SMC1 1-(1)	#	1-(2)	#	SMC2 2-(1)	#	2-(2)	#	TOT OUT
1.	IWSE34-034-(0.0-0.5)	70				84				0
2.	IWSE34-034-(0.0-0.5) MS	80				88				0
3.	IWSE34-034-(0.0-0.5) MSD	101				97				0
4.	IWSE34-034-(0.0-0.5) FD	82				90				0
5.	MB439444	105				106				0
6.	LCS439445	101				105				0
7.	LCSD439446	80				95				0

		CONTROL LIMITS	
SMC 1 :	Tetrachloro-m-xylene	52	151
SMC 2 :	Decachlorobiphenyl	56	159

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

3F

SOIL ORGANIC LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206121514

Contract: Method: SW-846 8081

Prep Batch: 339014 Analytical Batch: 339212

Spike HSN : 439445

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
4,4'-DDT	mg/kg	.017	0	.019	112		23 - 134

Spike Dupe HSN : 439446

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	*REC FLAG*	*% RPD*	*RPD FLAG*	*QC. LIMITS REC*	*RPD*
4,4'-DDT	mg/kg	.017	.017	100		11		23 - 134	0 - 40

RPD : 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

FORM III ORG-2

3F

SOILORGANIC MS/MSD RECOVERY

Lab Name: GCAL Sample ID: IWSE34-034-(0.0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206121514

Contract: Method: SW-846 8081

Prep Batch: 339014 Analytical Batch: 339212

Spike HSN : 20612151402

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	MS % REC FLAG	QC. LIMITS
4,4'-DDT	mg/kg	.023	0	.017	75		23 - 134

Spike Dupe HSN : 20612151403

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
4,4'-DDT	mg/kg	.024	.019	76		8		23 - 134	0 - 40

RPD : 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

FORM III ORG-2

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB439444

Lab Code: LA024 | Case No.: | Contract:

Lab Sample ID: 439444 | SAS No.: | SDG No.: 206121514

Matrix: Soil | Sulfur Cleanup: (Y/N) N | Date Extracted: 12/18/06

Date Analyzed (1): 12/19/06 | Time (1): 1614 | Date Analyzed (2): | Time (2):

Instrument ID (1): GCS18A | Instrument ID (2):

GC Column (1): RTX-35MS-3 | ID: .25 (mm) | GC Column (2): | ID: (mm)

Method: SW-846 8081 | Prep Batch: 339014 | Analytical Batch: 339212

Lab File ID: 2061219/sv18a0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS439445	439445	12/19/06	1633		
2.	LCSD439446	439446	12/19/06	1652		
3.	IWSE34-034-(0.0-0.5)	20612151401	12/20/06	1028		
4.	IWSE34-034-(0.0-0.5) MS	20612151402	12/20/06	1047		
5.	IWSE34-034-(0.0-0.5) MSD	20612151403	12/20/06	1106		
6.	IWSE34-034-(0.0-0.5) FD	20612151404	12/20/06	1124		

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: IWSE34-034-(0.0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 206121514

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20612151401

Level: (low/med) LOW | Date Collected: 12/07/06 | Time: 1102

% Moisture: 30.5 | decanted: (Y/N) | Date Received: 12/15/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/18/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/20/06 | Time: 1028

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081

Prep Batch: 339014 | Analytical Batch: 339212 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061219/sv18a026

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
50-29-3	4,4'-DDT	0.00287	U	0.000631	0.00287

FORM I ORG-1

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a026.d
Report Date: 20-Dec-2006 14:43

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061219.b/sv18a026.d
Lab Smp Id: 20612151401
Inj Date : 20-DEC-2006 10:28
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612151401*1
Misc Info : GCSV~10757~*
Comment :
Method : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Meth Date : 20-Dec-2006 14:43 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 26
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.10000	Weight of sample extracted (g)
M	0.00000	% Moisture

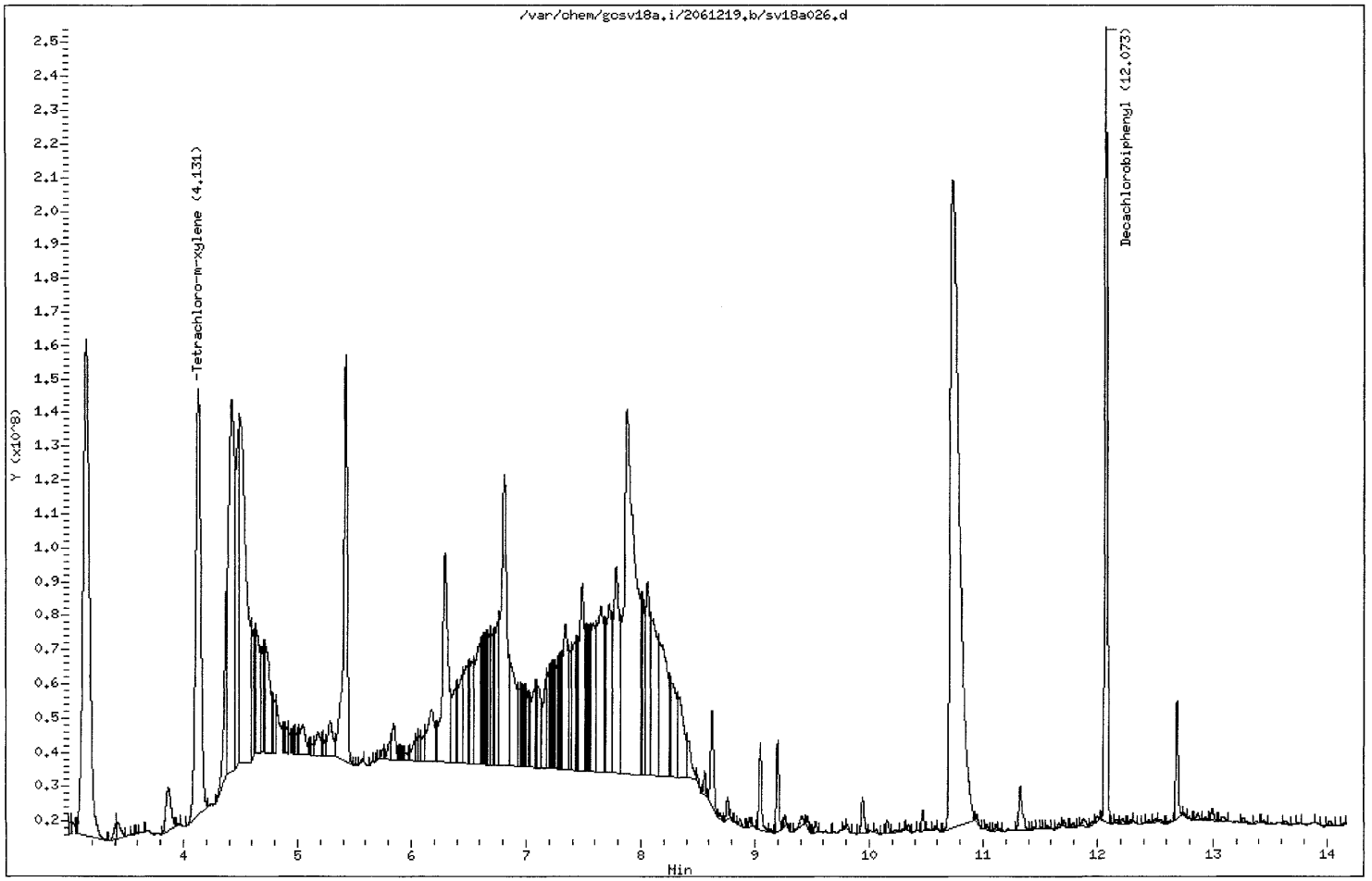
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.131	4.117	0.014	379457042	70.6799	12
$ 22 Decachlorobiphenyl	12.073	12.078	-0.005	342446510	84.2458	14

000010

168394

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a026.d
Date : 20-DEC-2006 10:28
Client ID:
Instrument: gcsv18a.i
Sample Info: 20612151401*1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 30.1 Units: g

Level: (low/med) LOW

% Moisture: 31.0 decanted: (Y/N)

GC Column: RTX-35MS-3 ID: .25 (mm)

Concentrated Extract Volume: 5000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 339014 Analytical Batch: 339212

CONCENTRATION UNITS: *mg/kg*

Sample ID: IWSE34-034-(0.0-0.5) FD

Contract:

SAS No.: SDG No.: 206121514

Lab Sample ID: 20612151404

Date Collected: 12/07/06 Time: 1102

Date Received: 12/15/06

Date Extracted: 12/18/06

Date Analyzed: 12/20/06 Time: 1124

Dilution Factor: 1 Analyst: TLS

Prep Method: 3550B

Analytical Method: SW-846 8081

Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A

Lab File ID: 2061219/sv18a029

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
50-29-3	4,4'-DDT	0.00289	U	0.000635	0.00289

FORM I ORG-1

000012

168396

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a029.d
Report Date: 20-Dec-2006 14:43

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061219.b/sv18a029.d
Lab Smp Id: 20612151404
Inj Date : 20-DEC-2006 11:24
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612151404*1
Misc Info : GCSV~10757~*
Comment :
Method : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Meth Date : 20-Dec-2006 14:43 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 29
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.10000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

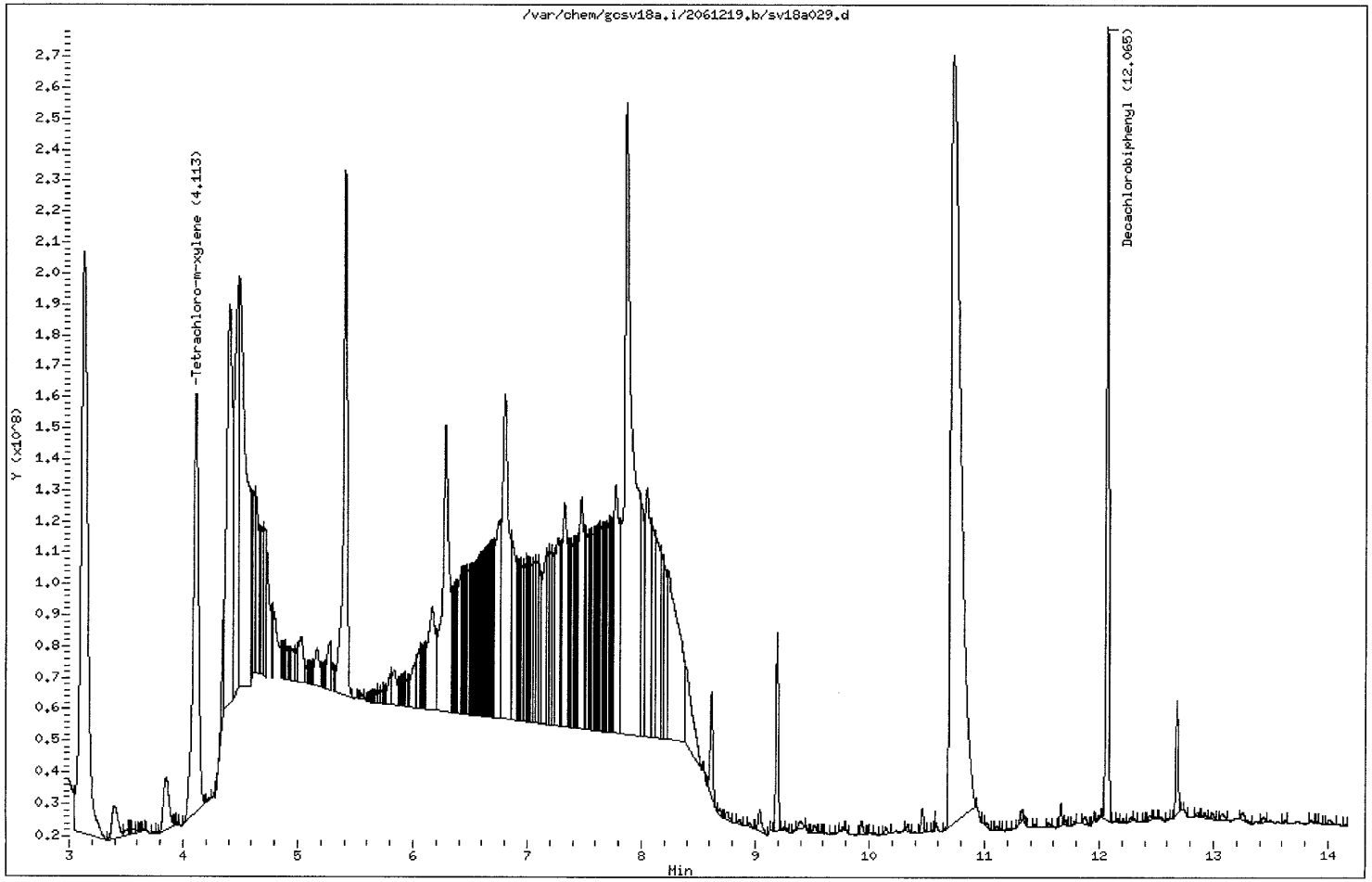
					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	4.113	4.117	-0.004	438356560	81.6509	14
$ 22 Decachlorobiphenyl	12.065	12.078	-0.013	367367452	90.3766	15

000013

168397

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a029.d
Date : 20-DEC-2006 11:24
Client ID:
Sample Info: 20612151404*1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



Report Date : 21-Dec-2006 15:04

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:00
End Cal Date : 12-DEC-2006 05:35
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Cal Date : 20-Dec-2006 14:43 tls
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv18a.i/2061211.b/sv18a018.d
Level 2: /var/chem/gcsv18a.i/2061211.b/sv18a019.d
Level 3: /var/chem/gcsv18a.i/2061211.b/sv18a020.d
Level 4: /var/chem/gcsv18a.i/2061211.b/sv18a021.d
Level 5: /var/chem/gcsv18a.i/2061211.b/sv18a022.d
Level 6: /var/chem/gcsv18a.i/2061211.b/sv18a017.d

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	2 alpha-BHC	7068200	7493741	7115034	7203788	7276796	7748868	7317738	3.537
	3 gamma-BHC (Lindane)	6382778	6558102	6191603	6243785	6332260	+++++	6341706	2.240
	4 Heptachlor	5537129	5833190	5456712	5492003	5575285	+++++	5578864	2.672
	5 Aldrin	5766011	5971604	5684112	5696576	5718704	+++++	5767401	2.052
	6 beta-BHC	3196468	3073097	2858179	2868778	2889930	+++++	2977290	5.061
	7 delta-BHC	5634982	6050358	5763178	5877749	5996303	+++++	5864514	2.892
	8 Heptachlor epoxide	5399502	5402885	5053147	5070668	5092538	+++++	5203748	3.474
	9 Endosulfan I	4555030	4971176	4649039	4735620	4744989	+++++	4731171	3.267
	10 gamma-Chlordane	5414999	5419230	5108290	5125672	5153432	+++++	5244324	3.023
	11 alpha-Chlordane	4724434	4870989	4688355	4669575	4728832	+++++	4736437	1.672
	12 4,4'-DDE	5302611	5223935	4863184	4922805	4976493	+++++	5057806	3.832
	13 Dieldrin	5365205	5374610	5080456	5138560	5198139	+++++	5231394	2.545
	14 Endrin	4435794	4414581	4161441	4220740	4312154	+++++	4308942	2.765
	15 4,4'-DDD	4063455	4082941	3887773	3987751	4082968	+++++	4020978	2.093
	16 Endosulfan II	4517539	4472154	4235308	4306182	4384891	+++++	4383215	2.645
	17 4,4'-DDT	3918575	3958561	3781096	3912447	4069689	+++++	3928074	2.637
	18 Endrin aldehyde	3696745	3595326	3381906	3442854	3505227	+++++	3524412	3.534
	19 Methoxychlor	1813910	1790735	1739640	1823312	1904719	+++++	1814463	3.305
	20 Endosulfan sulfate	3560688	3592852	3438327	3545843	3663505	+++++	3560243	2.299
	21 Endrin ketone	4255475	4262884	4078786	4207727	4348856	+++++	4230745	2.340
M	23 AR 1016-AVG	1040021	964042	916370	870204	818245	1058074	944493	10.006

000015

168399

Report Date : 21-Dec-2006 15:04

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:00
End Cal Date : 12-DEC-2006 05:35
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Cal Date : 20-Dec-2006 14:43 tls
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	24 AR 1016-PEAK1	124388	109747	101304	93322	86016	137478	108709	17.843
	25 AR 1016-PEAK2	257872	238880	224239	209884	195368	264509	231792	11.679
	26 AR 1016-PEAK3	497191	463006	441232	422831	399087	502330	454279	9.040
	27 AR 1016-PEAK4	160570	152409	149595	144167	137775	153758	149712	5.300
M	28 AR 1260-AVG	1353257	1286851	1269005	1246678	1226813	1335077	1286280	3.851
	29 AR 1260-PEAK1	156535	153161	154158	151324	147257	155647	153014	2.200
	30 AR 1260-PEAK2	284271	263169	251682	241299	232711	291115	260708	8.959
	31 AR 1260-PEAK3	332808	310163	303086	295301	288495	335545	310900	6.261
	32 AR 1260-PEAK4	579642	560358	560079	558755	558351	552770	561659	1.643
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	149226	+++++	+++++	+++++	149226	0.000
	38 AR 1221-PEAK1	+++++	+++++	15352	+++++	+++++	+++++	15352	0.000
	39 AR 1221-PEAK2	+++++	+++++	59934	+++++	+++++	+++++	59934	0.000
	40 AR 1221-PEAK3	+++++	+++++	39412	+++++	+++++	+++++	39412	0.000
	41 AR 1221-PEAK4	+++++	+++++	34528	+++++	+++++	+++++	34528	0.000
M	42 AR 1232-AVG	+++++	+++++	453174	+++++	+++++	+++++	453174	0.000
	43 AR 1232-PEAK1	+++++	+++++	112012	+++++	+++++	+++++	112012	0.000
	44 AR 1232-PEAK2	+++++	+++++	102095	+++++	+++++	+++++	102095	0.000
	45 AR 1232-PEAK3	+++++	+++++	176638	+++++	+++++	+++++	176638	0.000
	46 AR 1232-PEAK4	+++++	+++++	62430	+++++	+++++	+++++	62430	0.000
M	47 AR 1242-AVG	+++++	+++++	719733	+++++	+++++	+++++	719733	0.000
	48 AR 1242-PEAK1	+++++	+++++	166806	+++++	+++++	+++++	166806	0.000
	49 AR 1242-PEAK2	+++++	+++++	320553	+++++	+++++	+++++	320553	0.000
	50 AR 1242-PEAK3	+++++	+++++	107652	+++++	+++++	+++++	107652	0.000
	51 AR 1242-PEAK4	+++++	+++++	124722	+++++	+++++	+++++	124722	0.000
M	52 AR 1248-AVG	+++++	+++++	711258	+++++	+++++	+++++	711258	0.000

Report Date : 21-Dec-2006 15:04

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:00
End Cal Date : 12-DEC-2006 05:35
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Cal Date : 20-Dec-2006 14:43 tls
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	53 AR 1248-PEAK1	+++++	+++++	174358	+++++	+++++	+++++	174358	0.000
	54 AR 1248-PEAK2	+++++	+++++	217620	+++++	+++++	+++++	217620	0.000
	55 AR 1248-PEAK3	+++++	+++++	161946	+++++	+++++	+++++	161946	0.000
	56 AR 1248-PEAK4	+++++	+++++	157334	+++++	+++++	+++++	157334	0.000
M	57 AR 1254-AVG	+++++	+++++	596984	+++++	+++++	+++++	596984	0.000
	58 AR 1254-PEAK1	+++++	+++++	80187	+++++	+++++	+++++	80187	0.000
	59 AR 1254-PEAK2	+++++	+++++	75182	+++++	+++++	+++++	75182	0.000
	60 AR 1254-PEAK3	+++++	+++++	145172	+++++	+++++	+++++	145172	0.000
	61 AR 1254-PEAK4	+++++	+++++	296443	+++++	+++++	+++++	296443	0.000
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	549888	+++++	549888	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	164483	+++++	164483	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	156901	+++++	156901	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	109239	+++++	109239	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	119264	+++++	119264	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	1577136	+++++	1577136	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	222105	+++++	222105	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	269381	+++++	269381	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	578534	+++++	578534	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	507116	+++++	507116	0.000
	73 CHLORDANE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	74 AR 1268-AVG	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	75 AR 1268-PEAK1	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	76 AR 1268-PEAK2	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	77 AR 1268-PEAK3	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	78 AR 1268 PEAK4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	79 AR 1262-AVG	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	80 AR 1262-PEAK1	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	81 AR 1262-PEAK2	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

000017

168401

Report Date : 21-Dec-2006 15:04

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:00
End Cal Date : 12-DEC-2006 05:35
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Cal Date : 20-Dec-2006 14:43 tls
Curve Type : Average

		5.000	20.000	60.000	80.000	100.000	2.500	___	
	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	% RSD
	82 AR 1262-PEAK3	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	83 AR 1262-PEAK4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	84 Diallate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	85 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	86 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	173 Kepone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$	1 Tetrachloro-m-xylene	5537437	5622777	5255761	5267474	5159896	+++++	5368669	3.721
$	22 Decachlorobiphenyl	4345247	4179633	3873582	3930024	3995768	+++++	4064851	4.785

000018

168402

Report Date : 21-Dec-2006 15:04

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:00
End Cal Date : 12-DEC-2006 05:35
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Cal Date : 20-Dec-2006 14:43 tls
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 4.47424
Maximun Average %RSD = 20.00000
* Passed Average %RSD Test.

000019

168403

Gulf Coast Analytical Laboratories, Inc.

Breakdown Calculation

DDT Breakdown Formula:

$$\frac{(\text{Area DDD}) + (\text{Area DDE})}{(\text{Area DDD}) + (\text{Area DDE}) + (\text{Area DDT})} \times 100$$

DDT Breakdown Calculation:

$$\frac{5757347 + 5333025}{5757347 + 5333025 + 298579523} \times 100 = 3.6\ \%$$

DDT Breakdown Criteria: < 15%

==========

Endrin Breakdown Formula:

$$\frac{(\text{Area Endrin ketone}) + (\text{Area Endrin aldehyde})}{(\text{Area End ket}) + (\text{Area End ald}) + (\text{Area Endrin})} \times 100$$

Endrin Breakdown Calculation:

$$\frac{8438509 + 4137351}{8438509 + 4137351 + 333431435} \times 100 = 3.6\ \%$$

Endrin Breakdown Criteria: < 15%

000020

168404

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a001.d
Report Date: 13-Dec-2006 13:38

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a001.d
Lab Smp Id: deg
Inj Date : 11-DEC-2006 18:41
Operator : tls Inst ID: gcsv18a.i
Smp Info : deg*1 65-42-8
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 12-Dec-2006 12:26 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.372	8.360	0.012	5333025	1.05441	0.011
15 4,4'-DDD	9.064	9.050	0.014	5757347	1.43183	0.014
17 4,4'-DDT	9.455	9.443	0.012	298579523	76.0117	0.76
18 Endrin aldehyde	9.545	9.532	0.013	4137351	1.17391	0.012
21 Endrin ketone	10.621	10.610	0.011	8438509	1.99457	0.020
14 Endrin	8.951	8.939	0.012	333431435	77.3813	0.77

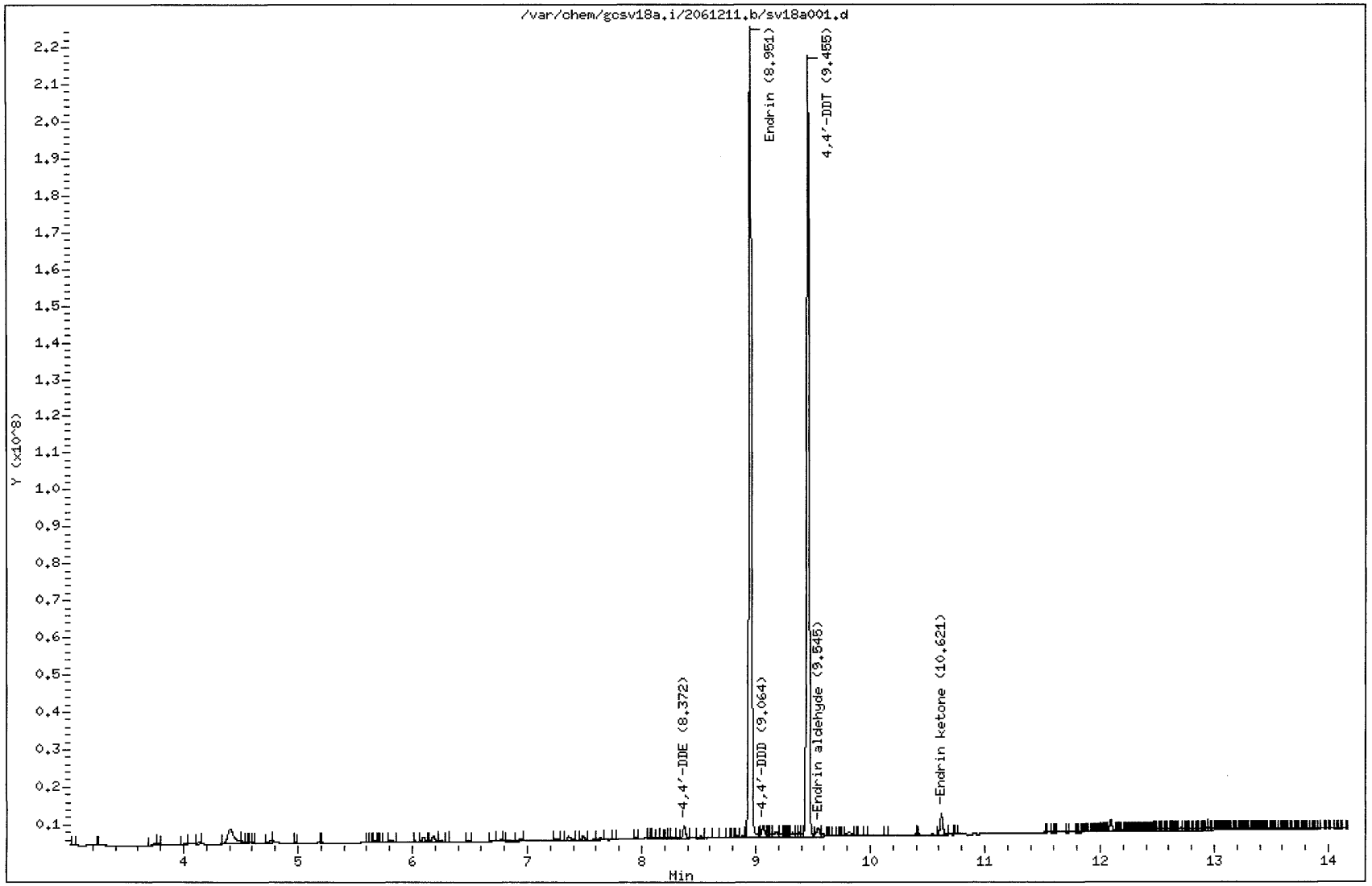
000021

168405

220000

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a001.d
Date : 11-DEC-2006 18:41
Client ID:
Sample Info: deg*1 65-42-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



168406

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a002.d
Report Date: 13-Dec-2006 16:18

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a002.d
Lab Smp Id: 1206
Inj Date : 11-DEC-2006 19:00
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1206*1 2.5
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:18 hjl Quant Type: ESTD
Cal Date : 11-DEC-2006 23:40 Cal File: sv18a017.d
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

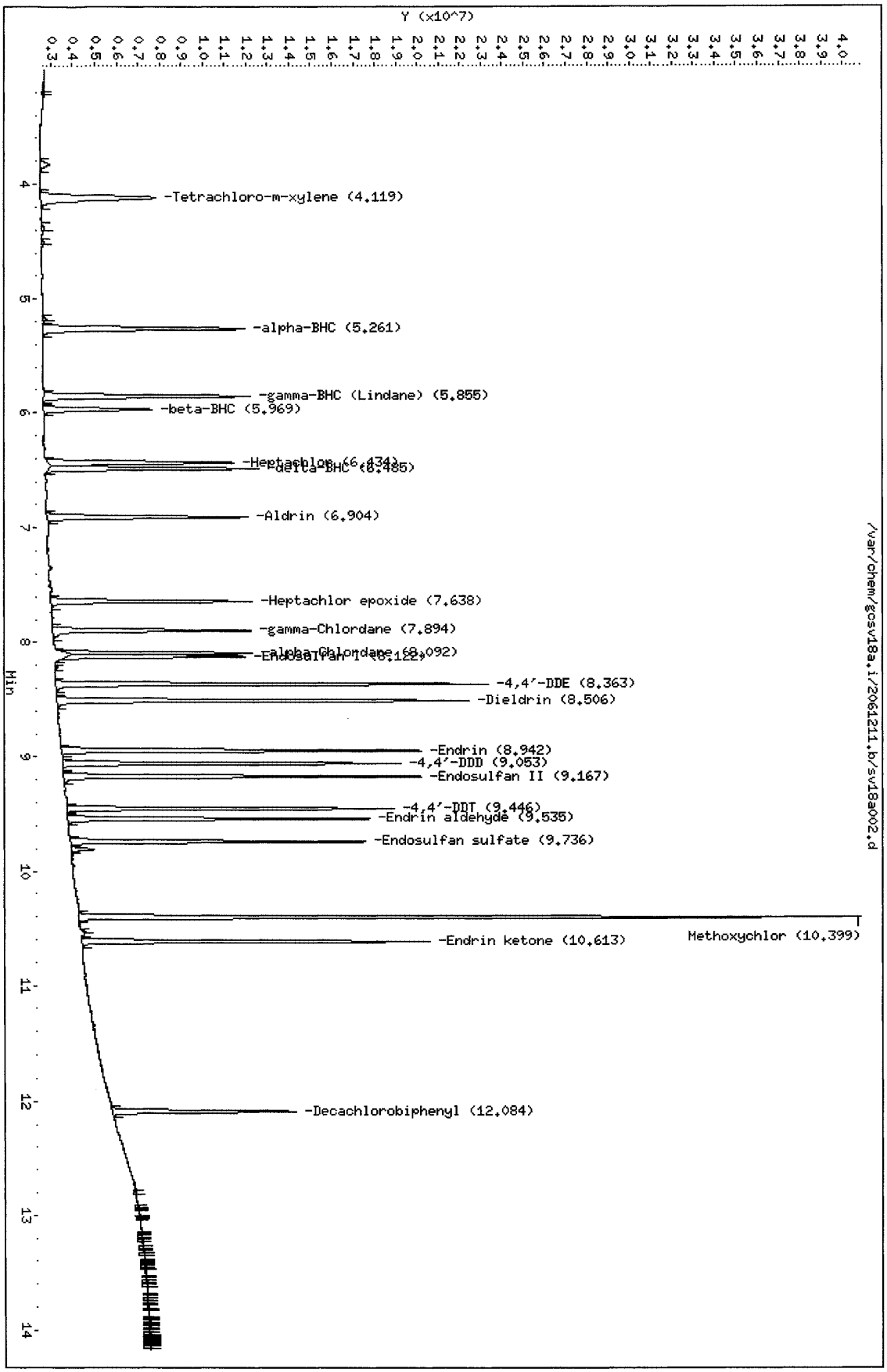
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.119	4.118	0.001	15628091	2.50000	2.9
2	alpha-BHC	5.261	5.259	0.002	19372170	2.50000	2.6
3	gamma-BHC (Lindane)	5.855	5.854	0.001	17553866	2.50000	2.8
6	beta-BHC	5.969	5.968	0.001	8940748	2.50000	3.0
4	Heptachlor	6.434	6.431	0.003	15158379	2.50000	2.7
7	delta-BHC	6.485	6.483	0.002	15653852	2.50000	2.7
5	Aldrin	6.904	6.901	0.003	15946896	2.50000	2.8
8	Heptachlor epoxide	7.638	7.636	0.002	15063926	2.50000	2.9
10	gamma-Chlordane	7.894	7.891	0.003	15253339	2.50000	2.9
11	alpha-Chlordane	8.092	8.090	0.002	12765488	2.50000	2.7
9	Endosulfan I	8.122	8.119	0.003	12365547	2.50000	2.6
12	4,4'-DDE	8.363	8.360	0.003	29447554	5.00000	5.8
13	Dieldrin	8.506	8.503	0.003	29889290	5.00000	5.7

168407

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a002.d
Report Date: 13-Dec-2006 16:18

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	8.942	8.939	0.003	25223393	5.00000	5.9
15	4,4'-DDD	9.053	9.050	0.003	22130534	5.00000	5.5
16	Endosulfan II	9.167	9.164	0.003	25293273	5.00000	5.8
17	4,4'-DDT	9.446	9.443	0.003	21141758	5.00000	5.4
18	Endrin aldehyde	9.535	9.532	0.003	20829323	5.00000	5.9
20	Endosulfan sulfate	9.736	9.734	0.002	19604932	5.00000	5.5
19	Methoxychlor	10.399	10.397	0.002	48990852	25.0000	27
21	Endrin ketone	10.613	10.610	0.003	23462029	5.00000	5.5
$ 22	Decachlorobiphenyl	12.084	12.080	0.004	12450532	2.50000	3.1



000025

168409

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a003.d
Report Date: 13-Dec-2006 16:18

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a003.d
Lab Smp Id: 1201
Inj Date : 11-DEC-2006 19:18
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1201*1 5
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:18 hjl Quant Type: ESTD
Cal Date : 11-DEC-2006 23:59 Cal File: sv18a018.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.120	4.118	0.002	27687186	5.00000	5.2
2	alpha-BHC	5.260	5.259	0.001	35340998	5.00000	4.8
3	gamma-BHC (Lindane)	5.855	5.854	0.001	31913888	5.00000	5.0
6	beta-BHC	5.969	5.968	0.001	15982340	5.00000	5.4
4	Heptachlor	6.433	6.431	0.002	27685647	5.00000	5.0
7	delta-BHC	6.485	6.483	0.002	28174908	5.00000	4.8
5	Aldrin	6.904	6.902	0.002	28830054	5.00000	5.0
8	Heptachlor epoxide	7.636	7.636	0.000	26997508	5.00000	5.2
10	gamma-Chlordane	7.893	7.891	0.002	27074995	5.00000	5.2
11	alpha-Chlordane	8.091	8.090	0.001	23622168	5.00000	5.0
9	Endosulfan I	8.120	8.119	0.001	22775149	5.00000	4.8
12	4,4'-DDE	8.361	8.360	0.001	53026113	10.0000	10
13	Dieldrin	8.505	8.503	0.002	53652054	10.0000	10

000026

168410

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a003.d
Report Date: 13-Dec-2006 16:18

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	8.940	8.939	0.001	44357936	10.0000	10
15	4,4'-DDD	9.052	9.051	0.001	40634548	10.0000	10
16	Endosulfan II	9.165	9.164	0.001	45175394	10.0000	10
17	4,4'-DDT	9.445	9.443	0.002	39185753	10.0000	10
18	Endrin aldehyde	9.535	9.532	0.003	36967452	10.0000	10
20	Endosulfan sulfate	9.735	9.734	0.001	35606875	10.0000	10
19	Methoxychlor	10.398	10.397	0.001	90695517	50.0000	50
21	Endrin ketone	10.611	10.610	0.001	42554748	10.0000	10
$ 22	Decachlorobiphenyl	12.082	12.080	0.002	21726233	5.00000	5.3

000028

168412

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a004.d
Report Date: 13-Dec-2006 16:18

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a004.d
Lab Smp Id: 1202
Inj Date : 11-DEC-2006 19:37
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1202*1 20
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:18 hjl Quant Type: ESTD
Cal Date : 12-DEC-2006 00:18 Cal File: sv18a019.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.118	4.118	0.000	112455533	20.0000	21
2	alpha-BHC	5.261	5.259	0.002	149874817	20.0000	20
3	gamma-BHC (Lindane)	5.855	5.854	0.001	131162050	20.0000	21
6	beta-BHC	5.968	5.968	0.000	61461937	20.0000	21
4	Heptachlor	6.433	6.431	0.002	116663809	20.0000	21
7	delta-BHC	6.484	6.483	0.001	121007151	20.0000	21
5	Aldrin	6.903	6.902	0.001	119432072	20.0000	21
8	Heptachlor epoxide	7.636	7.636	0.000	108057691	20.0000	21
10	gamma-Chlordane	7.892	7.891	0.001	108384595	20.0000	21
11	alpha-Chlordane	8.091	8.090	0.001	97419775	20.0000	21
9	Endosulfan I	8.120	8.119	0.001	99423516	20.0000	21
12	4,4'-DDE	8.361	8.360	0.001	208957382	40.0000	41
13	Dieldrin	8.504	8.503	0.001	214984380	40.0000	41

000029

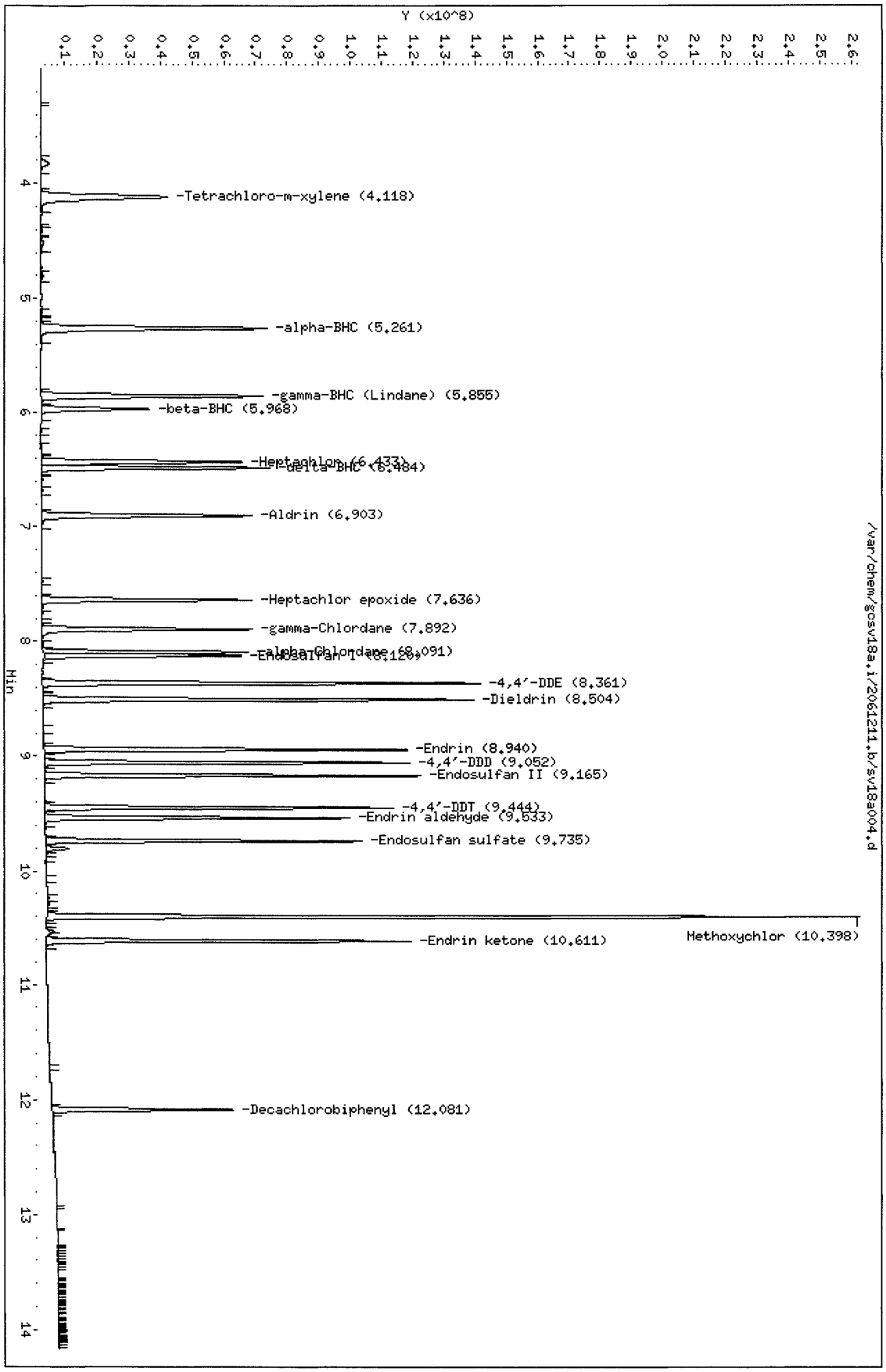
168413

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a004.d
Report Date: 13-Dec-2006 16:18

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	8.940	8.939	0.001	176583224	40.0000	41
15 4,4'-DDD	9.052	9.051	0.001	163317648	40.0000	41
16 Endosulfan II	9.165	9.164	0.001	178886162	40.0000	41
17 4,4'-DDT	9.444	9.443	0.001	158342445	40.0000	40
18 Endrin aldehyde	9.533	9.532	0.001	143813059	40.0000	41
20 Endosulfan sulfate	9.735	9.734	0.001	143714083	40.0000	40
19 Methoxychlor	10.398	10.397	0.001	358146960	200.000	200
21 Endrin ketone	10.611	10.610	0.001	170515356	40.0000	40
$ 22 Decachlorobiphenyl	12.081	12.080	0.001	83592652	20.0000	21

000030

168414



Data File: /var/chem/gcsv18a.i/20061211.b/sv18a004.d
Date : 11-DEC-2006 19:37
Client ID:
Sample Info: 1202x1 20
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32

000031

168415

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a005.d
Report Date: 13-Dec-2006 16:18

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a005.d
Lab Smp Id: 1203
Inj Date : 11-DEC-2006 19:56
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 60
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:18 hjl Quant Type: ESTD
Cal Date : 12-DEC-2006 00:36 Cal File: sv18a020.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

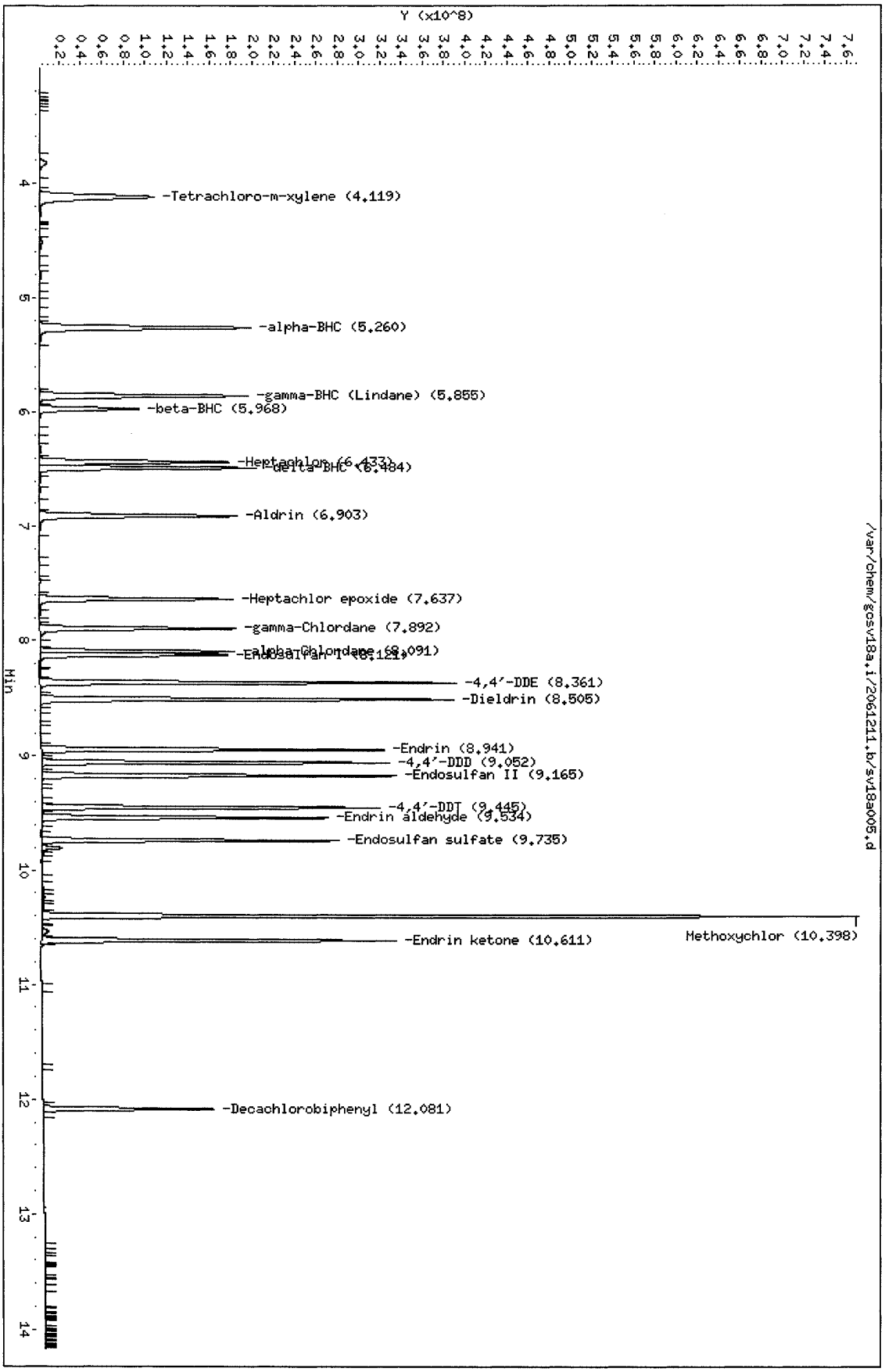
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.119	4.118	0.001	315345672	60.0000	59
2	alpha-BHC	5.260	5.260	0.000	426902043	60.0000	58
3	gamma-BHC (Lindane)	5.855	5.855	0.000	371496185	60.0000	59
6	beta-BHC	5.968	5.968	0.000	171490765	60.0000	58
4	Heptachlor	6.433	6.432	0.001	327402747	60.0000	59
7	delta-BHC	6.484	6.483	0.001	345790652	60.0000	59
5	Aldrin	6.903	6.902	0.001	341046737	60.0000	59
8	Heptachlor epoxide	7.637	7.637	0.000	303188835	60.0000	58
10	gamma-Chlordane	7.892	7.892	0.000	306497373	60.0000	58
11	alpha-Chlordane	8.091	8.091	0.000	281301306	60.0000	59
9	Endosulfan I	8.121	8.120	0.001	278942341	60.0000	59
12	4,4'-DDE	8.361	8.360	0.001	583582112	120.000	120
13	Dieldrin	8.505	8.504	0.001	609654768	120.000	120

000032

168416

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a005.d
Report Date: 13-Dec-2006 16:18

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	8.941	8.940	0.001	499372928	120.000	120
15	4,4'-DDD	9.052	9.051	0.001	466532792	120.000	120
16	Endosulfan II	9.165	9.165	0.000	508237000	120.000	120
17	4,4'-DDT	9.445	9.444	0.001	453731561	120.000	120
18	Endrin aldehyde	9.534	9.533	0.001	405828727	120.000	120
20	Endosulfan sulfate	9.735	9.735	0.000	412599272	120.000	120
19	Methoxychlor	10.398	10.398	0.000	1043784240	600.000	580
21	Endrin ketone	10.611	10.611	0.000	489454340	120.000	120
$ 22	Decachlorobiphenyl	12.081	12.081	0.000	232414929	60.0000	57



Data File: /var/chem/gcsv18a.i/2061211.b/sv18a005.d
Date : 11-DEC-2006 19:56
Client ID:
Sample Info: 1203x1 60
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32

000034

168418

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a006.d
Report Date: 22-Dec-2006 10:22

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a006.d
Lab Smp Id: 1204
Inj Date : 11-DEC-2006 20:14
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1204*1 80
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:22 hjl Quant Type: ESTD
Cal Date : 12-DEC-2006 00:55 Cal File: sv18a021.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.115	4.118	-0.003	421397943	80.0000	78
2	alpha-BHC	5.258	5.259	-0.001	576303021	80.0000	79
3	gamma-BHC (Lindane)	5.853	5.854	-0.001	499502812	80.0000	79
6	beta-BHC	5.967	5.968	-0.001	229502212	80.0000	77
4	Heptachlor	6.431	6.431	0.000	439360227	80.0000	79
7	delta-BHC	6.483	6.483	0.000	470219937	80.0000	80
5	Aldrin	6.902	6.902	0.000	455726097	80.0000	79
8	Heptachlor epoxide	7.635	7.636	-0.001	405653425	80.0000	78
10	gamma-Chlordane	7.891	7.891	0.000	410053727	80.0000	78
11	alpha-Chlordane	8.089	8.090	-0.001	373566021	80.0000	79
9	Endosulfan I	8.119	8.119	0.000	378849620	80.0000	80
12	4,4'-DDE	8.359	8.360	-0.001	787648843	160.000	160
13	Dieldrin	8.503	8.503	0.000	822169567	160.000	160
14	Endrin	8.939	8.939	0.000	675318378	160.000	160

000035

168419

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a006.d
Report Date: 22-Dec-2006 10:22

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
15	4,4'-DDD	9.051	9.051	0.000	638040084	160.000	160
16	Endosulfan II	9.163	9.164	-0.001	688989144	160.000	160
17	4,4'-DDT	9.443	9.443	0.000	625991492	160.000	160
18	Endrin aldehyde	9.533	9.532	0.001	550856574	160.000	160
20	Endosulfan sulfate	9.734	9.734	0.000	567334871	160.000	160
19	Methoxychlor	10.397	10.397	0.000	1458649560	800.000	800
21	Endrin ketone	10.610	10.610	0.000	673236287	160.000	160
$ 22	Decachlorobiphenyl	12.080	12.080	0.000	314401915	80.0000	77

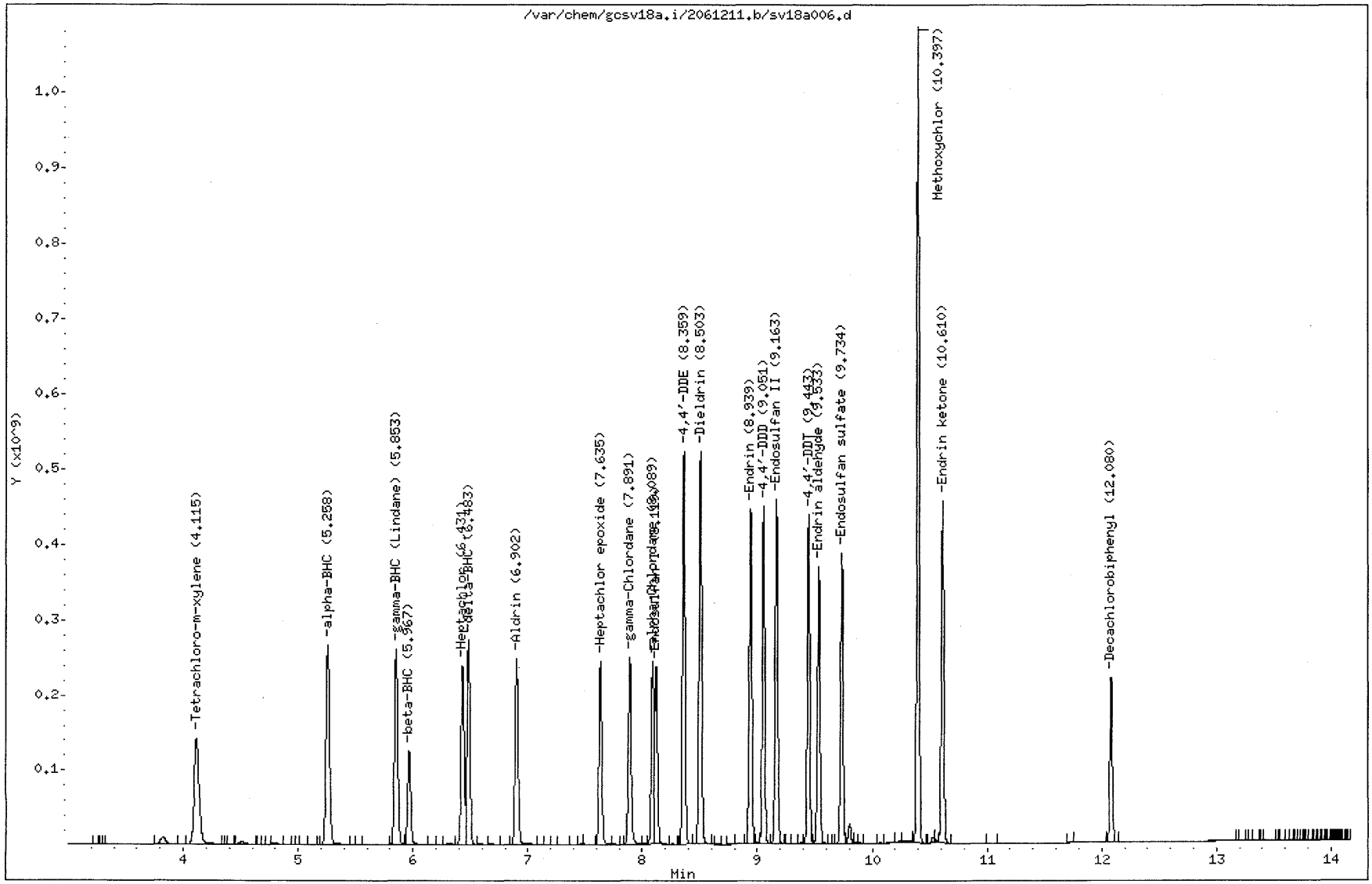
000036

168420

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a006.d
Date : 11-DEC-2006 20:14
Client ID:
Sample Info: 1204*1 80
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32



23000

168421

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a007.d
Report Date: 13-Dec-2006 16:18

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a007.d
Lab Smp Id: 1205
Inj Date : 11-DEC-2006 20:33
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1205*1 65-43-3
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:18 hjl Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.116	4.118	-0.002	515989572	100.000	96
2	alpha-BHC	5.259	5.260	-0.001	727679597	100.000	99
3	gamma-BHC (Lindane)	5.853	5.855	-0.002	633226002	100.000	100
6	beta-BHC	5.966	5.968	-0.002	288993049	100.000	97
4	Heptachlor	6.431	6.432	-0.001	557528507	100.000	100
7	delta-BHC	6.483	6.484	-0.001	599630328	100.000	100(A)
5	Aldrin	6.902	6.902	0.000	571870414	100.000	99
8	Heptachlor epoxide	7.634	7.637	-0.003	509253824	100.000	98
10	gamma-Chlordane	7.890	7.892	-0.002	515343216	100.000	98
11	alpha-Chlordane	8.089	8.091	-0.002	472883201	100.000	100
9	Endosulfan I	8.119	8.120	-0.001	474498866	100.000	100(A)
12	4,4'-DDE	8.359	8.360	-0.001	995298695	200.000	200
13	Dieldrin	8.503	8.504	-0.001	1039627806	200.000	200

000038

168422

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a007.d
Report Date: 13-Dec-2006 16:18

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	8.939	8.940	-0.001	862430778	200.000	200(A)
15 4,4'-DDD	9.050	9.051	-0.001	816593591	200.000	200(A)
16 Endosulfan II	9.163	9.165	-0.002	876978185	200.000	200(A)
17 4,4'-DDT	9.443	9.444	-0.001	813937853	200.000	210(A)
18 Endrin aldehyde	9.531	9.533	-0.002	701045492	200.000	200
20 Endosulfan sulfate	9.733	9.735	-0.002	732701002	200.000	210(A)
19 Methoxychlor	10.397	10.398	-0.001	1904718851	1000.00	1000(AM)
21 Endrin ketone	10.609	10.611	-0.002	869771142	200.000	210(A)
$ 22 Decachlorobiphenyl	12.079	12.081	-0.002	399576788	100.000	98

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

168423

000040

168424

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a009.d
Report Date: 13-Dec-2006 16:18

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a009.d
Lab Smp Id: 1205
Inj Date : 11-DEC-2006 21:10
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1205*1 65-29-3
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:18 hjl Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 9 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlor.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	68 CHLORDANE-AVG				630854296	400.000	400
	69 CHLORDANE-PEAK1	6.191	6.191	0.000	88842042	400.000	400
	70 CHLORDANE-PEAK2	6.431	6.430	0.001	107752203	400.000	400
	71 CHLORDANE-PEAK3	7.890	7.890	0.000	231413666	400.000	400
	72 CHLORDANE-PEAK4	8.088	8.089	-0.001	202846385	400.000	400

000041

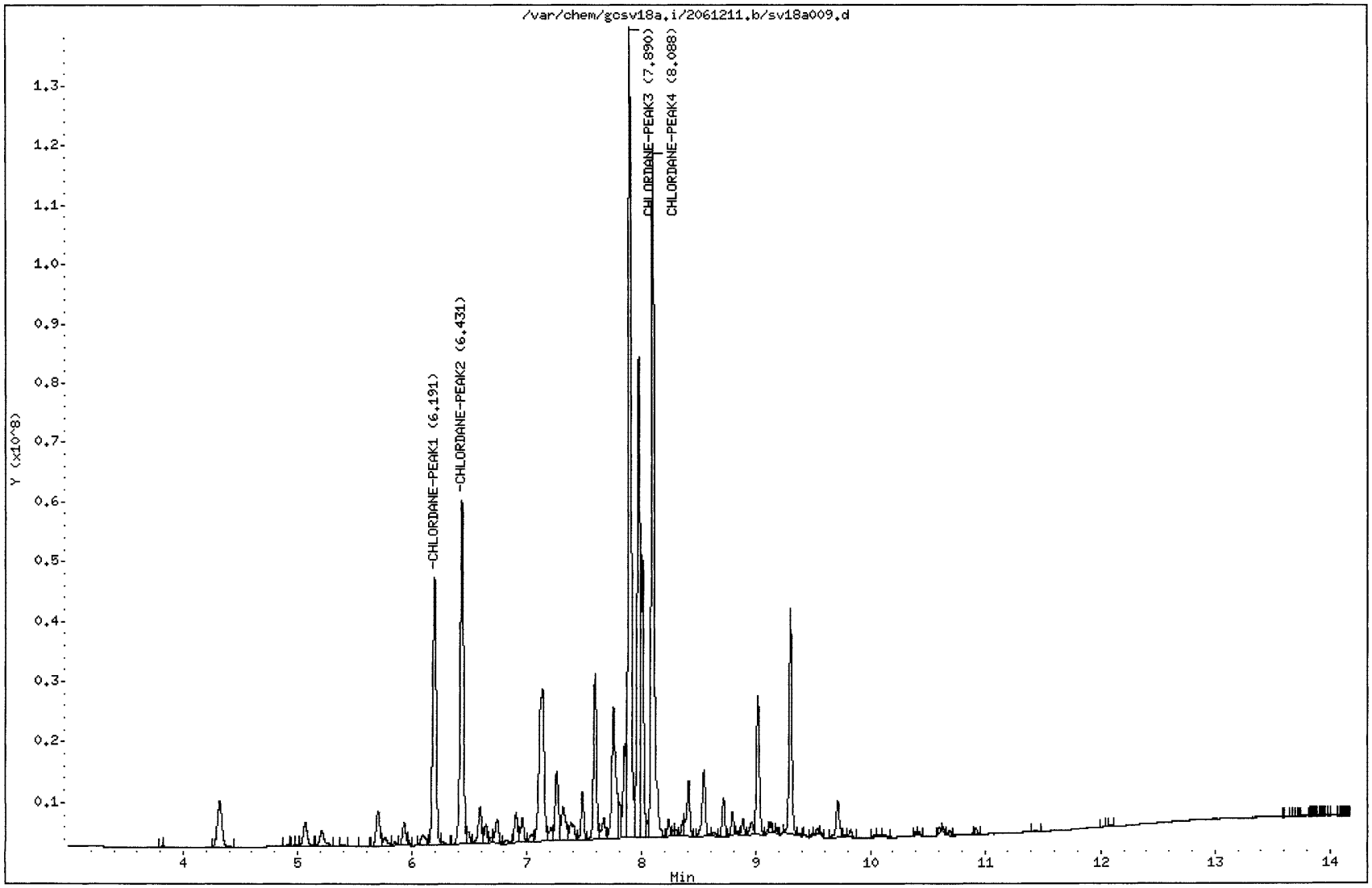
168425

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a009.d
Date : 11-DEC-2006 21:10
Client ID:
Sample Info: 1205x1 65-29-3
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

000042



168426

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a010.d
Report Date: 13-Dec-2006 16:18

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a010.d
Lab Smp Id: 1201
Inj Date : 11-DEC-2006 21:29
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1201*1 65-28-4
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:18 hjl Quant Type: ESTD
Cal Date : 11-DEC-2006 23:59 Cal File: sv18a018.d
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tox.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	62 TOXAPHENE-AVG				106841630	250.000	190
	63 TOXAPHENE-PEAK1	9.254	9.252	0.002	33671577	250.000	200
	64 TOXAPHENE-PEAK2	9.819	9.820	-0.001	30321180	250.000	190
	65 TOXAPHENE-PEAK3	10.023	10.022	0.001	20318177	250.000	190
	66 TOXAPHENE-PEAK4	10.719	10.719	0.000	22530696	250.000	190

000043

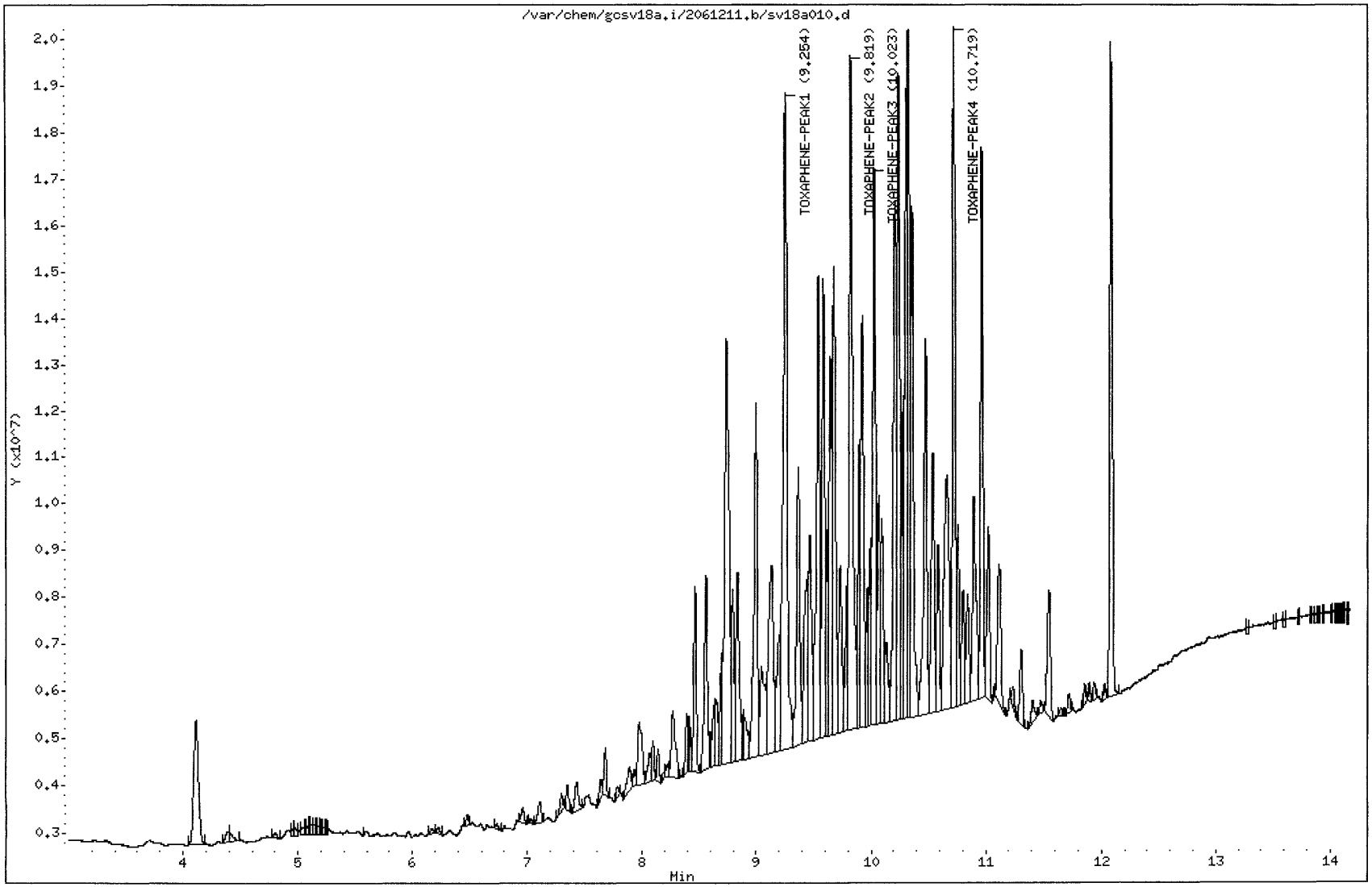
168427

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a010.d
Date : 11-DEC-2006 21:29
Client ID:
Sample Info: 1201x1 65-28-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

000044



168428

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a011.d
Report Date: 13-Dec-2006 16:18

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a011.d
Lab Smp Id: 1205
Inj Date : 11-DEC-2006 21:48
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1205*1 65-28-4
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:18 hjl Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 11 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tox.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

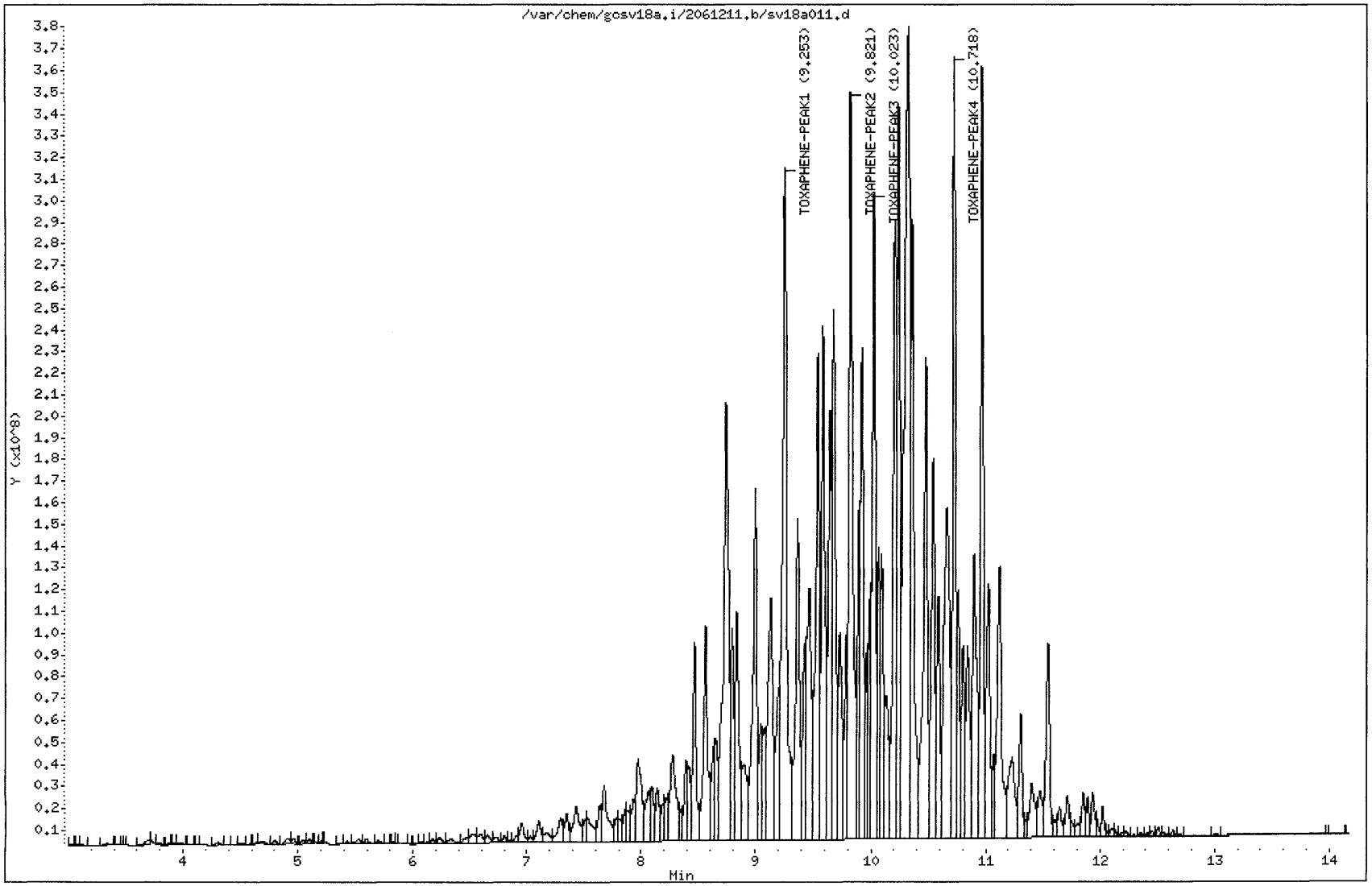
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	62 TOXAPHENE-AVG				2749441861	5000.00	5000
	63 TOXAPHENE-PEAK1	9.253	9.252	0.001	822417031	5000.00	5000
	64 TOXAPHENE-PEAK2	9.821	9.820	0.001	784506719	5000.00	5000
	65 TOXAPHENE-PEAK3	10.023	10.022	0.001	546197323	5000.00	5000
	66 TOXAPHENE-PEAK4	10.718	10.719	-0.001	596320788	5000.00	5000

168429

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a011.d
Date : 11-DEC-2006 21:48
Client ID:
Sample Info: 1205x1 65-28-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32

000046



168430

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a008.d
Report Date: 13-Dec-2006 13:39

Gulf Coast Analytical Services

RECOVERY REPORT

Client Name:
Client SDG: 2061211
Sample Matrix: LIQUID
Fraction: SV
Lab Smp Id: 1600
Level: LOW
Operator: tls
Data Type: GC MULTI COMP
SampleType: LCS
SpikeList File: 8081icv.spk
Quant Type: ESTD
Sublist File: 8081.sub
Method File: /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
2 alpha-BHC	60	57	95.19	85-115
3 gamma-BHC (Lindane	60	58	96.07	85-115
6 beta-BHC	60	57	94.38	85-115
4 Heptachlor	60	57	95.00	85-115
7 delta-BHC	60	57	94.83	85-115
5 Aldrin	60	58	96.61	85-115
8 Heptachlor epoxide	60	57	95.16	85-115
10 gamma-Chlordane	60	58	97.06	85-115
11 alpha-Chlordane	60	59	97.77	85-115
9 Endosulfan I	60	57	95.56	85-115
12 4,4'-DDE	60	58	95.87	85-115
13 Dieldrin	60	58	96.14	85-115
14 Endrin	60	57	95.05	85-115
15 4,4'-DDD	60	58	96.74	85-115
16 Endosulfan II	60	56	92.99	85-115
17 4,4'-DDT	60	56	93.53	85-115
18 Endrin aldehyde	60	57	94.25	85-115
20 Endosulfan sulfate	60	57	95.01	85-115
19 Methoxychlor	60	58	97.13	85-115
21 Endrin ketone	60	57	95.67	85-115

SURROGATE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
$ 1 Tetrachloro-m-xyl	500	0.0	*	45-148
$ 22 Decachlorobiphenyl	500	0.0	*	34-135

000047

168431

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a008.d
Report Date: 13-Dec-2006 13:39

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a008.d
Lab Smp Id: 1600
Inj Date : 11-DEC-2006 20:52
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1600*1 65-35-7
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 12-Dec-2006 12:26 tls Quant Type: ESTD
Cal Date : 11-DEC-2006 20:33 Cal File: sv18a007.d
Als bottle: 8 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (mL)
Vo	1.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
2 alpha-BHC	5.257	5.259	-0.002	417955464	57.1154	57
3 gamma-BHC (Lindane)	5.852	5.854	-0.002	365555502	57.6431	58
6 beta-BHC	5.965	5.968	-0.003	168596280	56.6274	57
4 Heptachlor	6.430	6.431	-0.001	318004041	57.0016	57
7 delta-BHC	6.481	6.483	-0.002	333684189	56.8989	57
5 Aldrin	6.901	6.901	0.000	334325896	57.9682	58
8 Heptachlor epoxide	7.634	7.636	-0.002	297111101	57.0956	57
10 gamma-Chlordane	7.890	7.891	-0.001	305415764	58.2374	58
11 alpha-Chlordane	8.088	8.090	-0.002	277844922	58.6612	59
9 Endosulfan I	8.118	8.119	-0.001	271273640	57.3375	57
12 4,4'-DDE	8.358	8.360	-0.002	290924518	57.5199	58
13 Dieldrin	8.502	8.503	-0.001	301771539	57.6847	58
14 Endrin	8.937	8.939	-0.002	245743452	57.0310	57
15 4,4'-DDD	9.050	9.050	0.000	233404160	58.0466	58

000048

168432

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a008.d
Report Date: 13-Dec-2006 13:39

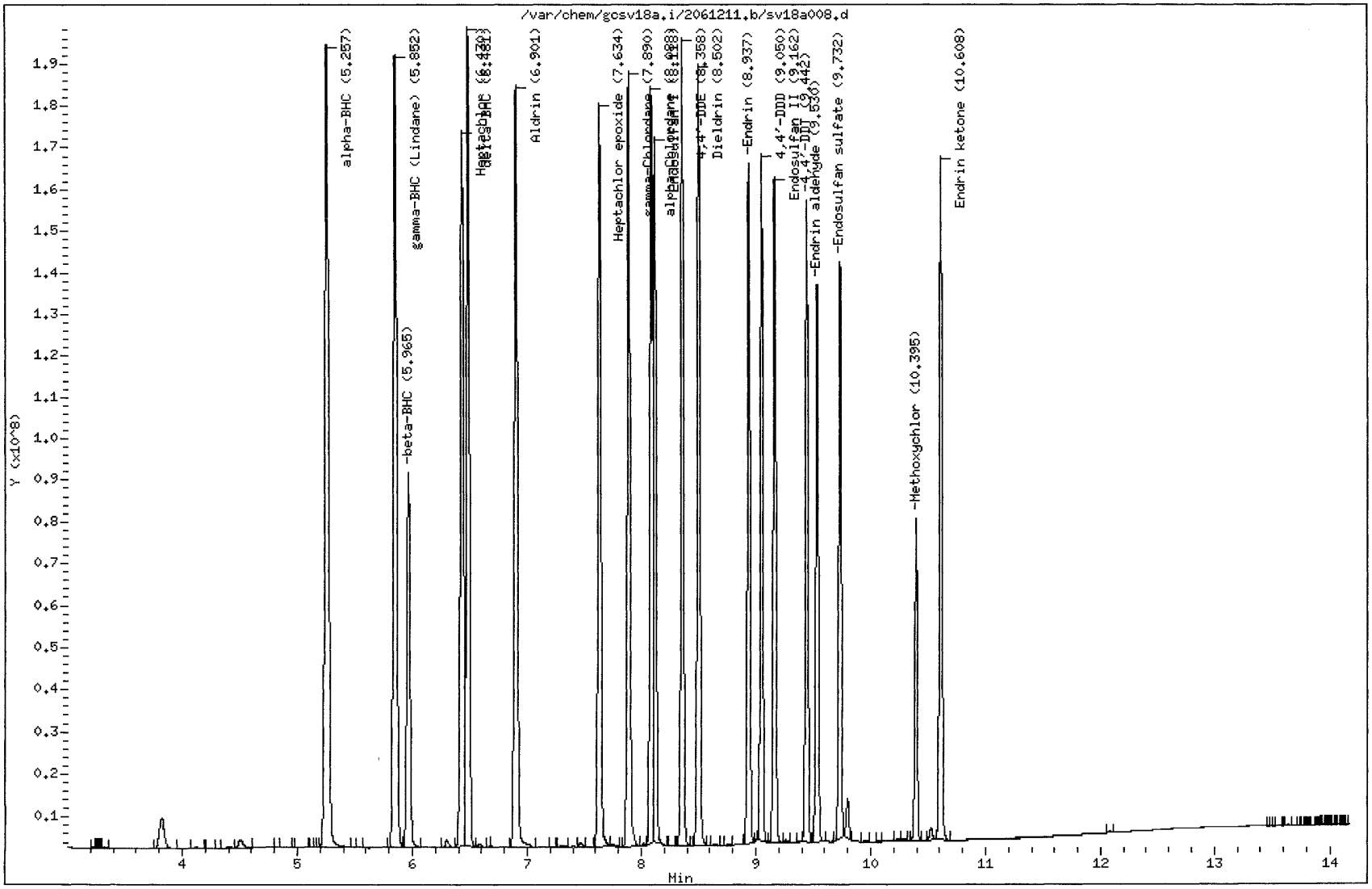
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
16 Endosulfan II	9.162	9.164	-0.002	244548645	55.7921	56
17 4,4'-DDT	9.442	9.443	-0.001	220427428	56.1159	56
18 Endrin aldehyde	9.530	9.532	-0.002	199300482	56.5486	57
20 Endosulfan sulfate	9.732	9.734	-0.002	202945163	57.0032	57
19 Methoxychlor	10.395	10.397	-0.002	105745067	58.2790	58
21 Endrin ketone	10.608	10.610	-0.002	242849870	57.4012	57

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a008.d
Date : 11-DEC-2006 20:52
Client ID:
Sample Info: 1600x1 65-35-7
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

000050



168434

Gulf Coast Analytical Laboratories, Inc.

Breakdown Calculation

DDT Breakdown: Formula

$$\frac{(\text{Area DDD}) + (\text{Area DDE})}{(\text{Area DDD}) + (\text{Area DDE}) + (\text{Area DDT})} \times 100$$

DDT Breakdown: Calculation

$$\frac{7371375 + 1571121}{7371375 + 1571121 + 344103775} \times 100 = 2.5\ \%$$

DDT Breakdown: Criteria < 15%

==========

Endrin Breakdown: Formula

$$\frac{(\text{Area Endrin ketone}) + (\text{Area Endrin aldehyde})}{(\text{Area End ket}) + (\text{Area End ald}) + (\text{Area Endrin})} \times 100$$

Endrin Breakdown: Calculation

$$\frac{10863807 + 2765663}{10863807 + 2765663 + 371522251} \times 100 = 3.5\ \%$$

Endrin Breakdown: Criteria < 15%

000051

168435

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a001.d
Report Date: 20-Dec-2006 08:39

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061219.b/sv18a001.d
Lab Smp Id: deg
Inj Date : 19-DEC-2006 14:56
Operator : tls Inst ID: gcsv18a.i
Smp Info : deg*1 65-42-8
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Meth Date : 20-Dec-2006 07:35 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.360	8.358	0.002	1571121	0.31063	0.0031
15 4,4'-DDD	9.051	9.049	0.002	7371375	1.83323	0.018
17 4,4'-DDT	9.442	9.441	0.001	344103775	87.6011	0.88
18 Endrin aldehyde	9.530	9.530	0.000	2765663	0.78472	0.0078
21 Endrin ketone	10.605	10.608	-0.003	10863807	2.56782	0.026
14 Endrin	8.936	8.937	-0.001	371522251	86.2212	0.86

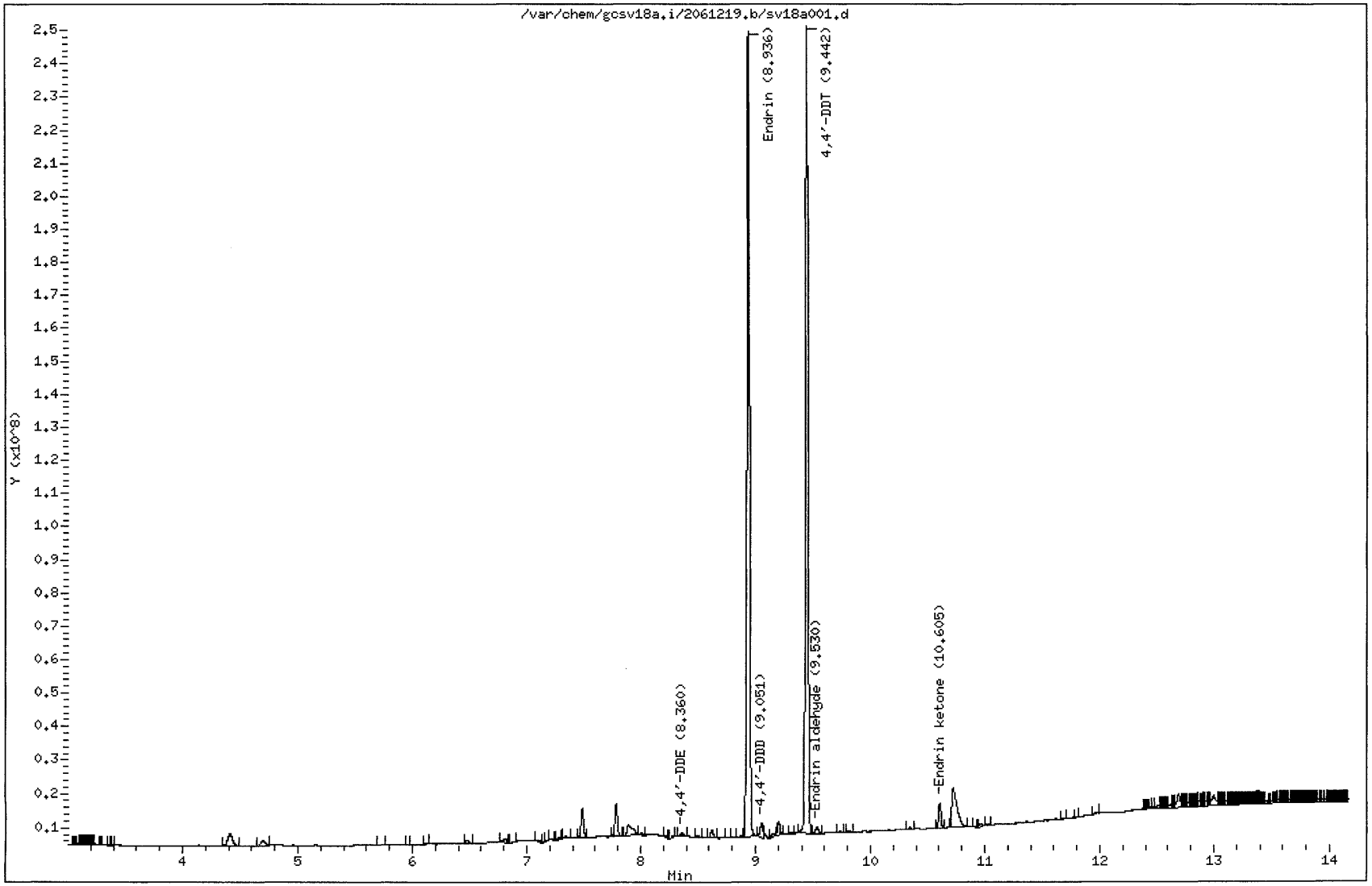
000052

168436

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a001.d
Date : 19-DEC-2006 14:56
Client ID:
Sample Info: deg*1 65-42-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32



168437

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a002.d
Report Date: 20-Dec-2006 14:43

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 19-DEC-2006 15:14
Lab File ID: sv18a002.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:00 05:35
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2061219.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	MIN %D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	5368669	5260385	0.010	2.01696	15.00000	Averaged	
2 alpha-BHC	7317738	7197135	0.010	1.64808	15.00000	Averaged	
3 gamma-BHC (Lindane)	6341706	6259276	0.010	1.29980	15.00000	Averaged	
6 beta-BHC	2977290	2826187	0.010	5.07520	15.00000	Averaged	
4 Heptachlor	5578864	5614018	0.010	-0.63014	15.00000	Averaged	
7 delta-BHC	5864514	6147757	0.010	-4.82978	15.00000	Averaged	
5 Aldrin	5767401	5670032	0.010	1.68827	15.00000	Averaged	
8 Heptachlor epoxide	5203748	5076432	0.010	2.44661	15.00000	Averaged	
10 gamma-Chlordane	5244324	5067319	0.010	3.37519	15.00000	Averaged	
11 alpha-Chlordane	4736437	4614746	0.010	2.56924	15.00000	Averaged	
9 Endosulfan I	4731171	4702110	0.010	0.61423	15.00000	Averaged	
12 4,4'-DDE	5057806	5044540	0.010	0.26227	15.00000	Averaged	
13 Dieldrin	5231394	5200831	0.010	0.58422	15.00000	Averaged	
14 Endrin	4308942	4545612	0.010	-5.49254	15.00000	Averaged	
15 4,4'-DDD	4020978	4258605	0.010	-5.90969	15.00000	Averaged	
16 Endosulfan II	4383215	4381040	0.010	0.04962	15.00000	Averaged	
17 4,4'-DDT	3928074	4170365	0.010	-6.16820	15.00000	Averaged	
18 Endrin aldehyde	3524412	3500411	0.010	0.68098	15.00000	Averaged	
20 Endosulfan sulfate	3560243	3918043	0.010	-10.04988	15.00000	Averaged	
19 Methoxychlor	1814463	2175795	0.010	-19.91399	15.00000	Averaged	<-
21 Endrin ketone	4230745	4695578	0.010	-10.98702	15.00000	Averaged	
$ 22 Decachlorobiphenyl	4064851	4005147	0.010	1.46879	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 3.98912
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

000054

168438

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a002.d
Report Date: 20-Dec-2006 14:43

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061219.b/sv18a002.d
Lab Smp Id: 1400
Inj Date : 19-DEC-2006 15:14
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-45-4
Misc Info : GCSV~10757~*
Comment :
Method : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Meth Date : 20-Dec-2006 14:43 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.107	4.116	-0.009	315623118	60.0000	59
2	alpha-BHC	5.247	5.258	-0.011	431828116	60.0000	59
3	gamma-BHC (Lindane)	5.842	5.853	-0.011	375556586	60.0000	59
6	beta-BHC	5.958	5.967	-0.009	169571218	60.0000	57
4	Heptachlor	6.420	6.430	-0.010	336841109	60.0000	60
7	delta-BHC	6.473	6.482	-0.009	368865411	60.0000	63
5	Aldrin	6.890	6.900	-0.010	340201922	60.0000	59
8	Heptachlor epoxide	7.623	7.634	-0.011	304585933	60.0000	59
10	gamma-Chlordane	7.880	7.889	-0.009	304039119	60.0000	58
11	alpha-Chlordane	8.078	8.071	0.007	276884779	60.0000	58
9	Endosulfan I	8.107	8.100	0.007	282126622	60.0000	60
12	4,4'-DDE	8.348	8.358	-0.010	605344855	120.000	120
13	Dieldrin	8.492	8.501	-0.009	624099734	120.000	120

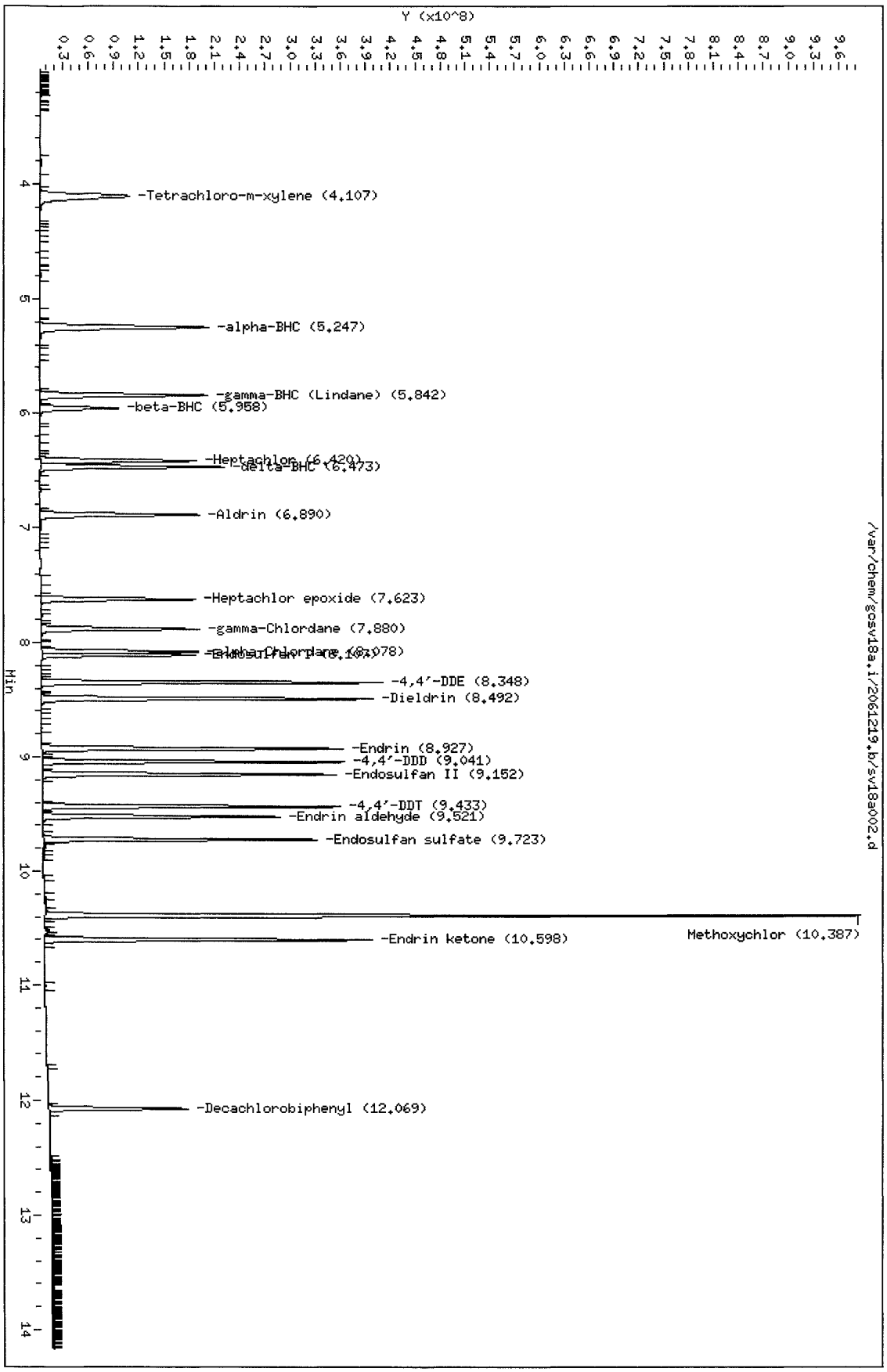
168439

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a002.d
Report Date: 20-Dec-2006 14:43

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	8.927	8.938	-0.011	545473477	120.000	130
15	4,4'-DDD	9.041	9.049	-0.008	511032604	120.000	130
16	Endosulfan II	9.152	9.163	-0.011	525724787	120.000	120
17	4,4'-DDT	9.433	9.442	-0.009	500443812	120.000	130
18	Endrin aldehyde	9.521	9.531	-0.010	420049328	120.000	120
20	Endosulfan sulfate	9.723	9.733	-0.010	470165158	120.000	130
19	Methoxychlor	10.387	10.397	-0.010	1305477198	600.000	720
21	Endrin ketone	10.598	10.608	-0.010	563469391	120.000	130
$ 22	Decachlorobiphenyl	12.069	12.079	-0.010	240308801	60.0000	59

000056

168440



Data File: /var/chem/gcsv18a.i/2061219.b/sv18a002.d
Date : 19-DEC-2006 15:14
Client ID:
Sample Info: 1400x1 65-45-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32

000057

168441

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a007.d
Report Date: 20-Dec-2006 14:43

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 19-DEC-2006 17:10
Lab File ID: sv18a007.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:00 05:35
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2061219.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	5368669	5380102	0.010	-0.21295	15.00000	Averaged	
2 alpha-BHC	7317738	7515299	0.010	-2.69976	15.00000	Averaged	
3 gamma-BHC (Lindane)	6341706	6565472	0.010	-3.52849	15.00000	Averaged	
6 beta-BHC	2977290	2985863	0.010	-0.28793	15.00000	Averaged	
4 Heptachlor	5578864	5844504	0.010	-4.76154	15.00000	Averaged	
7 delta-BHC	5864514	6521952	0.010	-11.21045	15.00000	Averaged	
5 Aldrin	5767401	5917982	0.010	-2.61090	15.00000	Averaged	
8 Heptachlor epoxide	5203748	5325931	0.010	-2.34798	15.00000	Averaged	
10 gamma-Chlordane	5244324	5295026	0.010	-0.96679	15.00000	Averaged	
11 alpha-Chlordane	4736437	4902776	0.010	-3.51191	15.00000	Averaged	
9 Endosulfan I	4731171	4918398	0.010	-3.95731	15.00000	Averaged	
12 4,4'-DDE	5057806	5249541	0.010	-3.79088	15.00000	Averaged	
13 Dieldrin	5231394	5427209	0.010	-3.74308	15.00000	Averaged	
14 Endrin	4308942	4667728	0.010	-8.32655	15.00000	Averaged	
15 4,4'-DDD	4020978	4516174	0.010	-12.31532	15.00000	Averaged	
16 Endosulfan II	4383215	4597021	0.010	-4.87785	15.00000	Averaged	
17 4,4'-DDT	3928074	4221533	0.010	-7.47081	15.00000	Averaged	
18 Endrin aldehyde	3524412	3640160	0.010	-3.28419	15.00000	Averaged	
20 Endosulfan sulfate	3560243	4099257	0.010	-15.13981	15.00000	Averaged	<-
19 Methoxychlor	1814463	2198695	0.010	-21.17604	15.00000	Averaged	<-
21 Endrin ketone	4230745	4921369	0.010	-16.32393	15.00000	Averaged	<-
$ 22 Decachlorobiphenyl	4064851	4195160	0.010	-3.20577	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 6.17047
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

000058

168442

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a007.d
Report Date: 20-Dec-2006 14:43

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061219.b/sv18a007.d
Lab Smp Id: 1400
Inj Date : 19-DEC-2006 17:10
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-45-4
Misc Info : GCSV~10757~*
Comment :
Method : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Meth Date : 20-Dec-2006 14:43 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 7 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

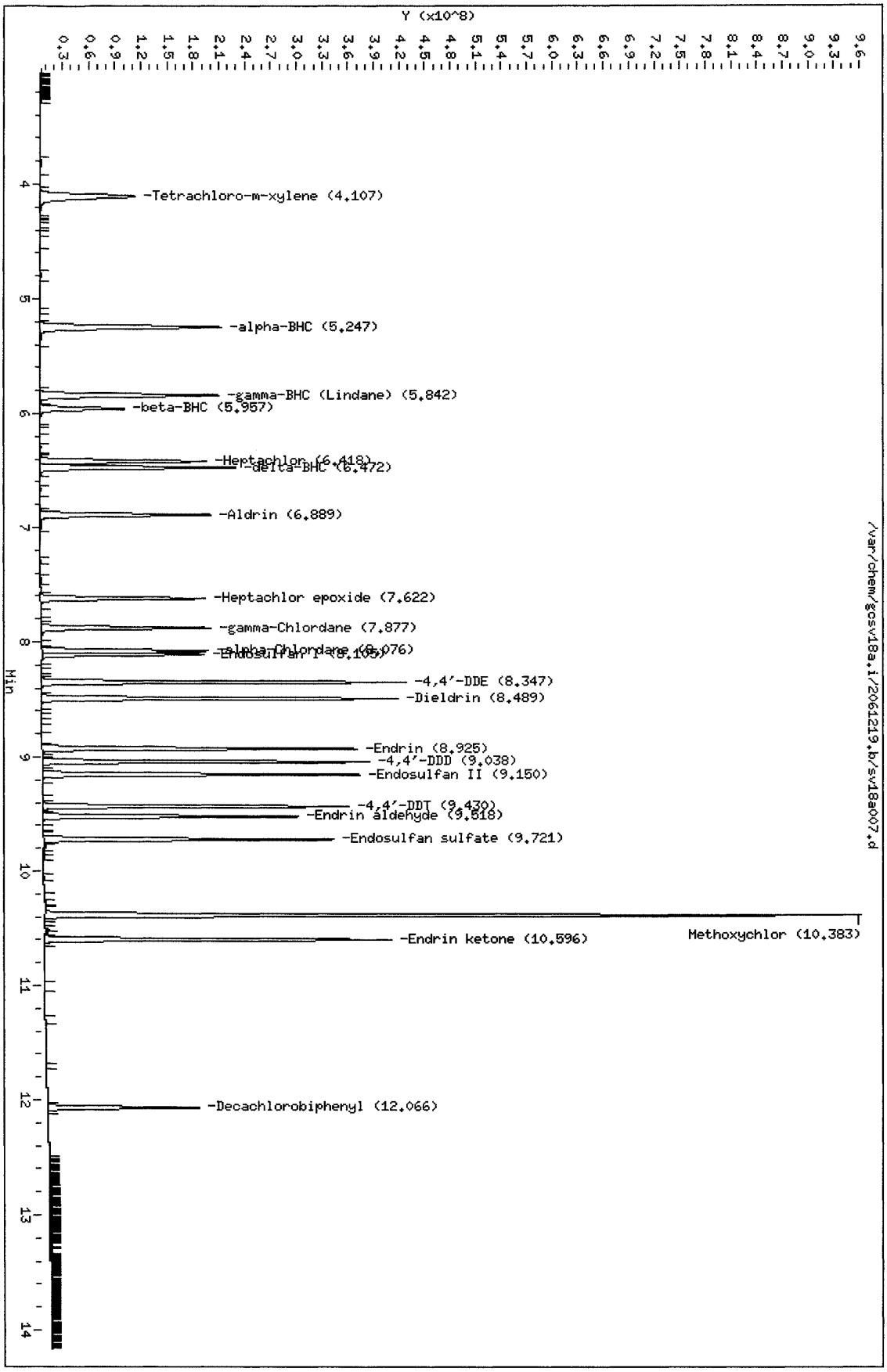
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.107	4.116	-0.009	322806098	60.0000	60
2	alpha-BHC	5.247	5.258	-0.011	450917953	60.0000	62
3	gamma-BHC (Lindane)	5.842	5.853	-0.011	393928339	60.0000	62
6	beta-BHC	5.957	5.967	-0.010	179151783	60.0000	60
4	Heptachlor	6.418	6.429	-0.011	350670226	60.0000	63
7	delta-BHC	6.472	6.481	-0.009	391317149	60.0000	67
5	Aldrin	6.889	6.900	-0.011	355078945	60.0000	62
8	Heptachlor epoxide	7.622	7.634	-0.012	319555836	60.0000	61
10	gamma-Chlordane	7.877	7.889	-0.012	317701560	60.0000	61
11	alpha-Chlordane	8.076	8.070	0.006	294166580	60.0000	62
9	Endosulfan I	8.105	8.099	0.006	295103879	60.0000	62
12	4,4'-DDE	8.347	8.358	-0.011	629944912	120.000	120
13	Dieldrin	8.489	8.501	-0.012	651265115	120.000	120

168443

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a007.d
Report Date: 20-Dec-2006 14:43

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	8.925	8.938	-0.013	560127349	120.000	130
15	4,4'-DDD	9.038	9.049	-0.011	541940871	120.000	130
16	Endosulfan II	9.150	9.163	-0.013	551642569	120.000	130
17	4,4'-DDT	9.430	9.441	-0.011	506583943	120.000	130
18	Endrin aldehyde	9.518	9.530	-0.012	436819198	120.000	120
20	Endosulfan sulfate	9.721	9.733	-0.012	491910848	120.000	140
19	Methoxychlor	10.383	10.396	-0.013	1319216812	600.000	730
21	Endrin ketone	10.596	10.608	-0.012	590564332	120.000	140
$ 22	Decachlorobiphenyl	12.066	12.078	-0.012	251709615	60.0000	62



000061

168445

Gulf Coast Analytical Laboratories, Inc.

Breakdown Calculation

DDT Breakdown Formula:

$$\frac{(\text{Area DDD}) + (\text{Area DDE})}{(\text{Area DDD}) + (\text{Area DDE}) + (\text{Area DDT})} \times 100$$

DDT Breakdown Calculation:

$$\frac{4916711 + 3666122}{4916711 + 3666122 + 374428245} \times 100 = 2.2\ \%$$

DDT Breakdown Criteria: < 15%

==========

Endrin Breakdown Formula:

$$\frac{(\text{Area Endrin ketone}) + (\text{Area Endrin aldehyde})}{(\text{Area End ket}) + (\text{Area End ald}) + (\text{Area Endrin})} \times 100$$

Endrin Breakdown Calculation:

$$\frac{10352214 + 3547510}{10352214 + 3547510 + 394106061} \times 100 = 3.4\ \%$$

Endrin Breakdown Criteria: < 15%

000082

168446

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a024.d
Report Date: 20-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061219.b/sv18a024.d
Lab Smp Id: deg
Inj Date : 20-DEC-2006 09:06
Operator : tls Inst ID: gcsv18a.i
Smp Info : deg*1 65-42-8
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Meth Date : 20-Dec-2006 12:13 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.343	8.358	-0.015	3666122	0.72484	0.0072
15 4,4'-DDD	9.036	9.049	-0.013	4916711	1.22277	0.012
17 4,4'-DDT	9.425	9.441	-0.016	374428245	95.3211	0.95
18 Endrin aldehyde	9.514	9.530	-0.016	3547510	1.00655	0.010
21 Endrin ketone	10.590	10.608	-0.018	10352214	2.44690	0.024
14 Endrin	8.920	8.937	-0.017	394106061	91.4624	0.91

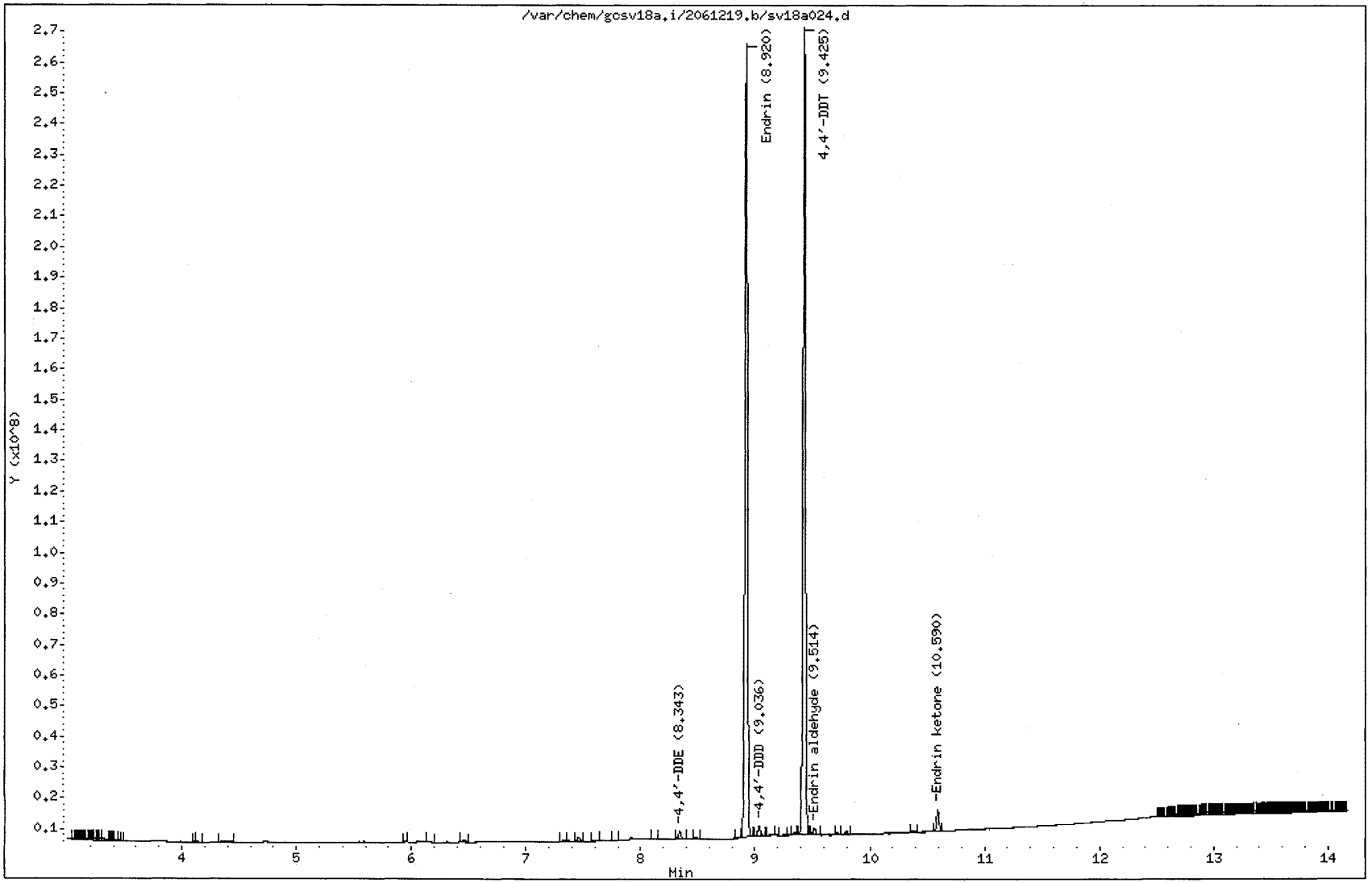
000083

168447

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a024.d
Date : 20-DEC-2006 09:06
Client ID:
Sample Info: deg*1 65-42-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv18a.i/2061219.b/sv18a025.d
Report Date: 20-Dec-2006 14:43

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 20-DEC-2006 09:25
Lab File ID: sv18a025.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:00 05:35
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2061219.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	5368669	5698702	0.010	-6.14740	15.00000	Averaged	
2 alpha-BHC	7317738	7807078	0.010	-6.68704	15.00000	Averaged	
3 gamma-BHC (Lindane)	6341706	6849611	0.010	-8.00898	15.00000	Averaged	
6 beta-BHC	2977290	3118873	0.010	-4.75540	15.00000	Averaged	
4 Heptachlor	5578864	6231536	0.010	-11.69901	15.00000	Averaged	
7 delta-BHC	5864514	6622352	0.010	-12.92244	15.00000	Averaged	
5 Aldrin	5767401	6231752	0.010	-8.05129	15.00000	Averaged	
8 Heptachlor epoxide	5203748	5613015	0.010	-7.86486	15.00000	Averaged	
10 gamma-Chlordane	5244324	5591112	0.010	-6.61262	15.00000	Averaged	
11 alpha-Chlordane	4736437	5153822	0.010	-8.81222	15.00000	Averaged	
9 Endosulfan I	4731171	5227421	0.010	-10.48896	15.00000	Averaged	
12 4,4'-DDE	5057806	5589392	0.010	-10.51022	15.00000	Averaged	
13 Dieldrin	5231394	5747831	0.010	-9.87187	15.00000	Averaged	
14 Endrin	4308942	4960190	0.010	-15.11388	15.00000	Averaged	<-
15 4,4'-DDD	4020978	4711987	0.010	-17.18512	15.00000	Averaged	<-
16 Endosulfan II	4383215	4849113	0.010	-10.62913	15.00000	Averaged	
17 4,4'-DDT	3928074	4593174	0.010	-16.93198	15.00000	Averaged	<-
18 Endrin aldehyde	3524412	3827719	0.010	-8.60589	15.00000	Averaged	
20 Endosulfan sulfate	3560243	4274241	0.010	-20.05475	15.00000	Averaged	<-
19 Methoxychlor	1814463	2389395	0.010	-31.68607	15.00000	Averaged	<-
21 Endrin ketone	4230745	5128410	0.010	-21.21763	15.00000	Averaged	<-
$ 22 Decachlorobiphenyl	4064851	4474034	0.010	-10.06637	15.00000	Averaged	

Average %D / Drift Results.
Calculated Average %D/Drift = 11.99651
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

000065

168449

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a025.d
Report Date: 20-Dec-2006 14:43

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061219.b/sv18a025.d
Lab Smp Id: 1400
Inj Date : 20-DEC-2006 09:25
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-45-4
Misc Info : GCSV~10757~*
Comment :
Method : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Meth Date : 20-Dec-2006 14:43 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

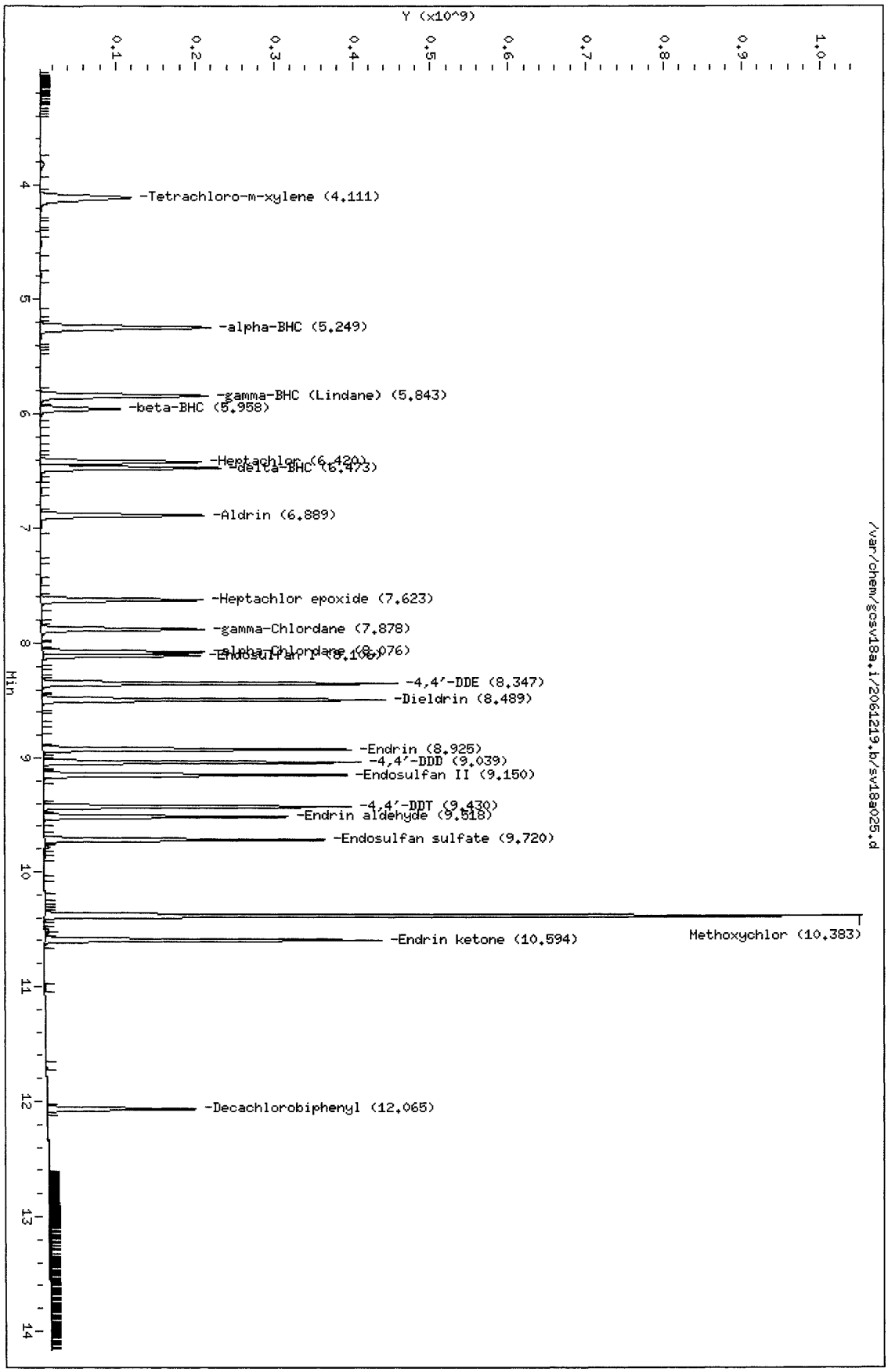
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.111	4.117	-0.006	341922146	60.0000	64
2	alpha-BHC	5.249	5.258	-0.009	468424658	60.0000	64
3	gamma-BHC (Lindane)	5.843	5.853	-0.010	410976678	60.0000	65
6	beta-BHC	5.958	5.967	-0.009	187132359	60.0000	63
4	Heptachlor	6.420	6.430	-0.010	373892161	60.0000	67
7	delta-BHC	6.473	6.481	-0.008	397341119	60.0000	68
5	Aldrin	6.889	6.900	-0.011	373905094	60.0000	65
8	Heptachlor epoxide	7.623	7.634	-0.011	336780922	60.0000	65
10	gamma-Chlordane	7.878	7.889	-0.011	335466713	60.0000	64
11	alpha-Chlordane	8.076	8.070	0.006	309229326	60.0000	65
9	Endosulfan I	8.106	8.100	0.006	313645289	60.0000	66
12	4,4'-DDE	8.347	8.358	-0.011	670727090	120.000	130
13	Dieldrin	8.489	8.501	-0.012	689739681	120.000	130

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a025.d
Report Date: 20-Dec-2006 14:43

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	8.925	8.938	-0.013	595222837	120.000	140
	15 4,4'-DDD	9.039	9.049	-0.010	565438491	120.000	140
	16 Endosulfan II	9.150	9.163	-0.013	581893529	120.000	130
	17 4,4'-DDT	9.430	9.441	-0.011	551180940	120.000	140
	18 Endrin aldehyde	9.518	9.530	-0.012	459326267	120.000	130
	20 Endosulfan sulfate	9.720	9.733	-0.013	512908912	120.000	140
	19 Methoxychlor	10.383	10.396	-0.013	1433637214	600.000	790
	21 Endrin ketone	10.594	10.608	-0.014	615409145	120.000	150
$	22 Decachlorobiphenyl	12.065	12.078	-0.013	268442020	60.0000	66



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168452

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a030.d
Report Date: 20-Dec-2006 12:13

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 20-DEC-2006 11:43
Lab File ID: sv18a030.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:00 05:35
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2061219.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	5368669	5582734	0.010	-3.98729	15.00000	Averaged	
2 alpha-BHC	7317738	7565445	0.010	-3.38503	15.00000	Averaged	
3 gamma-BHC (Lindane)	6341706	6490142	0.010	-2.34063	15.00000	Averaged	
6 beta-BHC	2977290	2983006	0.010	-0.19198	15.00000	Averaged	
4 Heptachlor	5578864	5425557	0.010	2.74799	15.00000	Averaged	
7 delta-BHC	5864514	6609775	0.010	-12.70798	15.00000	Averaged	
5 Aldrin	5767401	6061722	0.010	-5.10318	15.00000	Averaged	
8 Heptachlor epoxide	5203748	5478448	0.010	-5.27889	15.00000	Averaged	
10 gamma-Chlordane	5244324	5408781	0.010	-3.13590	15.00000	Averaged	
11 alpha-Chlordane	4736437	5106639	0.010	-7.81605	15.00000	Averaged	
9 Endosulfan I	4731171	4980315	0.010	-5.26602	15.00000	Averaged	
12 4,4'-DDE	5057806	5484312	0.010	-8.43263	15.00000	Averaged	
13 Dieldrin	5231394	5611086	0.010	-7.25795	15.00000	Averaged	
14 Endrin	4308942	4749733	0.010	-10.22968	15.00000	Averaged	
15 4,4'-DDD	4020978	5780456	0.010	-43.75748	15.00000	Averaged	<-
16 Endosulfan II	4383215	4997390	0.010	-14.01198	15.00000	Averaged	
17 4,4'-DDT	3928074	1640007	0.010	58.24907	15.00000	Averaged	<-
18 Endrin aldehyde	3524412	3740245	0.010	-6.12396	15.00000	Averaged	
20 Endosulfan sulfate	3560243	4185926	0.010	-17.57416	15.00000	Averaged	<-
19 Methoxychlor	1814463	1048468	0.010	42.21606	15.00000	Averaged	<-
21 Endrin ketone	4230745	4594642	0.010	-8.60123	15.00000	Averaged	
$ 22 Decachlorobiphenyl	4064851	4405978	0.010	-8.39213	15.00000	Averaged	

Average %D / Drift Results.
Calculated Average %D/Drift = 12.58215
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

168453

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a030.d
Report Date: 20-Dec-2006 12:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061219.b/sv18a030.d
Lab Smp Id: 1400
Inj Date : 20-DEC-2006 11:43
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-45-4
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Meth Date : 20-Dec-2006 12:13 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 30 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

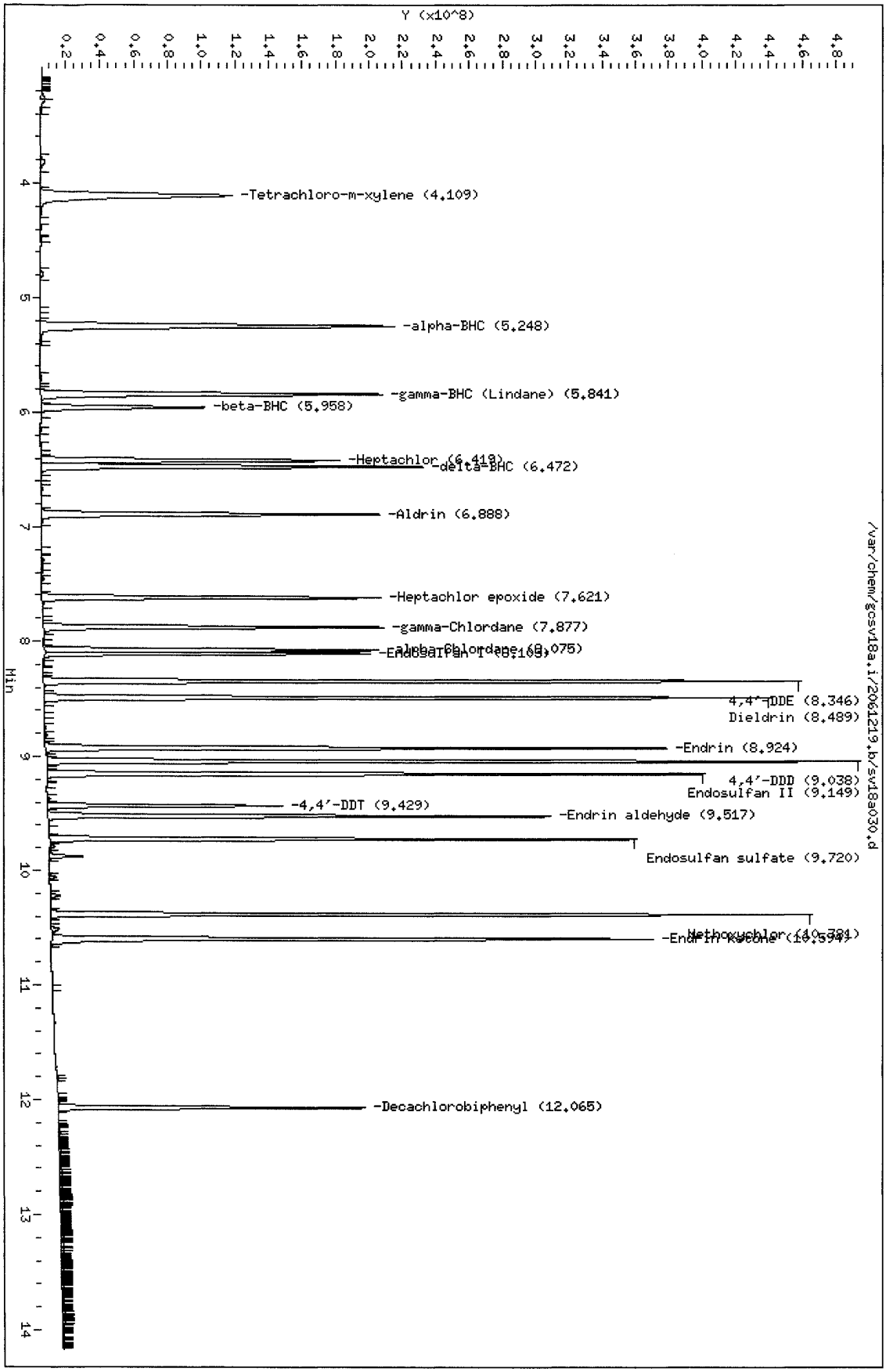
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.109	4.117	-0.008	334964016	60.0000	62
2	alpha-BHC	5.248	5.258	-0.010	453926722	60.0000	62
3	gamma-BHC (Lindane)	5.841	5.853	-0.012	389408496	60.0000	61
6	beta-BHC	5.958	5.967	-0.009	178980379	60.0000	60
4	Heptachlor	6.419	6.429	-0.010	325533433	60.0000	58
7	delta-BHC	6.472	6.481	-0.009	396586512	60.0000	68
5	Aldrin	6.888	6.900	-0.012	363703345	60.0000	63
8	Heptachlor epoxide	7.621	7.634	-0.013	328706872	60.0000	63
10	gamma-Chlordane	7.877	7.889	-0.012	324526868	60.0000	62
11	alpha-Chlordane	8.075	8.088	-0.013	306398361	60.0000	65
9	Endosulfan I	8.105	8.117	-0.012	298818919	60.0000	63
12	4,4'-DDE	8.346	8.358	-0.012	658117411	120.000	130
13	Dieldrin	8.489	8.501	-0.012	673330329	120.000	130

168454

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a030.d
Report Date: 20-Dec-2006 12:13

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	8.924	8.937	-0.013	569967935	120.000	130
15	4,4'-DDD	9.038	9.049	-0.011	693654742	120.000	170
16	Endosulfan II	9.149	9.162	-0.013	599686809	120.000	140
17	4,4'-DDT	9.429	9.441	-0.012	196800876	120.000	50
18	Endrin aldehyde	9.517	9.530	-0.013	448829438	120.000	130
20	Endosulfan sulfate	9.720	9.733	-0.013	502311073	120.000	140
19	Methoxychlor	10.381	10.396	-0.015	629081016	600.000	350
21	Endrin ketone	10.594	10.608	-0.014	551357006	120.000	130
$ 22	Decachlorobiphenyl	12.065	12.078	-0.013	264358690	60.0000	65

168455



Data File: /var/chem/gcsv18a.i/20061219.b/sv18a030.d
Date : 20-DEC-2006 11:43
Client ID:
Sample Info: 1400ml 65-45-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32

000072

168456

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: MB439444

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 206121514

Sample wt/vol: 30 | Units: g | Lab Sample ID: 439444

Level: (low/med) LOW | Date Collected: | Time:

% Moisture: | decanted: (Y/N) | Date Received:

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/18/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/19/06 | Time: 1614

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081

Prep Batch: 339014 | Analytical Batch: 339212 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061219/sv18a004

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
50-29-3	4,4'-DDT	0.00200	U	0.000440	0.00200

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a004.d
Report Date: 20-Dec-2006 14:43

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061219.b/sv18a004.d
Lab Smp Id: 439444
Inj Date : 19-DEC-2006 16:14
Operator : tls Inst ID: gcsv18a.i
Smp Info : 439444*1 mb s
Misc Info : GCSV~10757~*
Comment :
Method : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Meth Date : 20-Dec-2006 14:43 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.120	4.116	0.004	564194694	105.090	18(A)
$ 22 Decachlorobiphenyl	12.071	12.079	-0.008	428333119	105.375	18

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

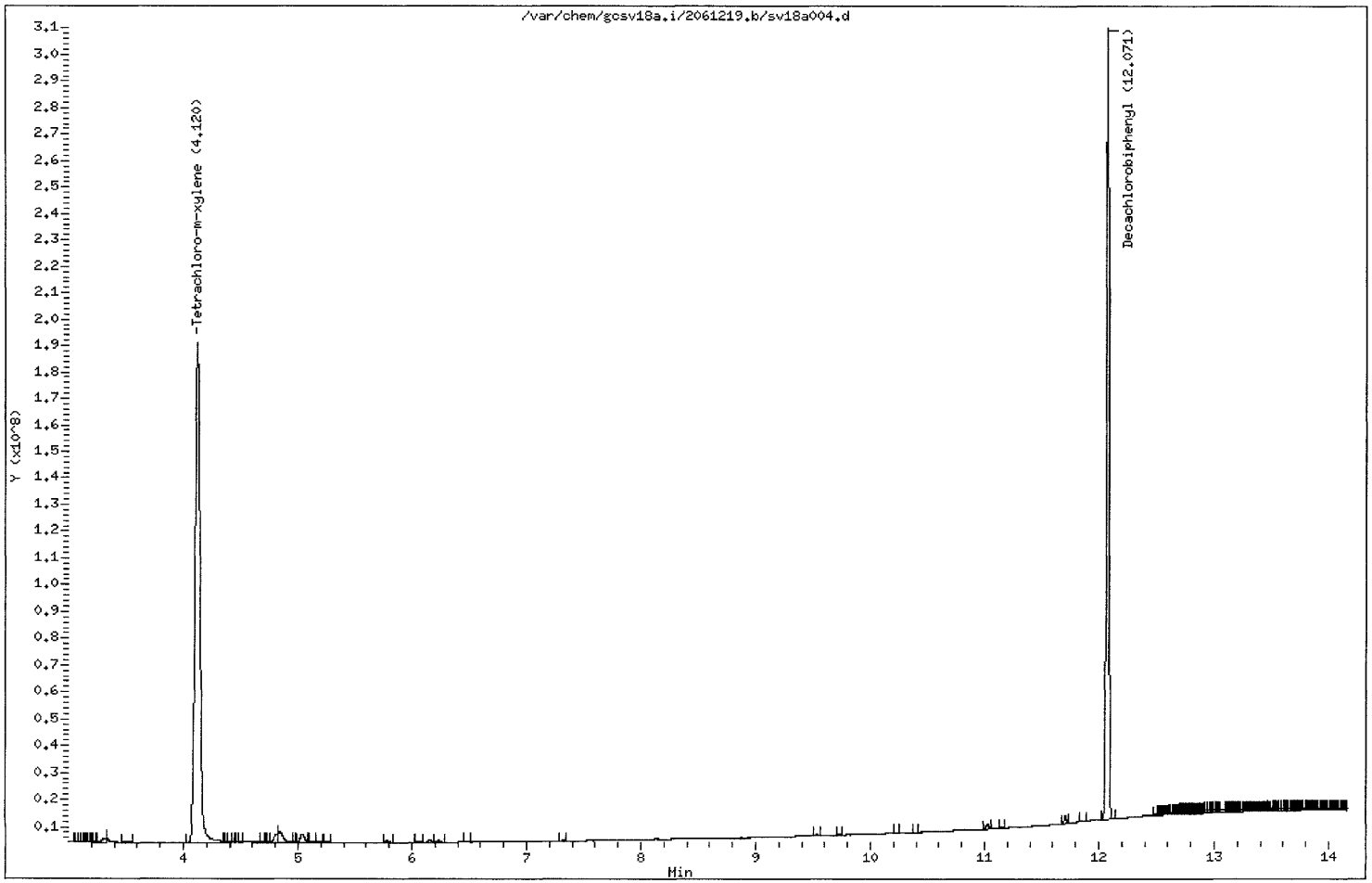
000074

168458

000075

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a004.d
Date : 19-DEC-2006 16:14
Client ID:
Sample Info: 439444*1 mb s
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



168459

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCS439445

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 206121514

Sample wt/vol: 30 | Units: g | Lab Sample ID: 439445

Level: (low/med) LOW | Date Collected: | Time:

% Moisture: | decanted: (Y/N) | Date Received:

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/18/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/19/06 | Time: 1633

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081

Prep Batch: 339014 | Analytical Batch: 339212 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061219/sv18a005

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
50-29-3	4,4'-DDT	0.019		0.000440	0.00200

FORM I ORG-1

168460

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a005.d
Report Date: 20-Dec-2006 14:43

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061219.b/sv18a005.d
Lab Smp Id: 439445
Inj Date : 19-DEC-2006 16:33
Operator : tls Inst ID: gcsv18a.i
Smp Info : 439445*1 lcs
Misc Info : GCSV~10757~*
Comment :
Method : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Meth Date : 20-Dec-2006 14:43 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	4.109	4.116	-0.007	544005447	101.330	17(A)
2	alpha-BHC	5.249	5.258	-0.009	756612171	103.394	17(A)
3	gamma-BHC (Lindane)	5.843	5.853	-0.010	665068079	104.872	17(A)
6	beta-BHC	5.959	5.967	-0.008	310179873	104.182	17(A)
4	Heptachlor	6.420	6.430	-0.010	582567109	104.424	17(A)
7	delta-BHC	6.473	6.482	-0.009	628549729	107.178	18(A)
5	Aldrin	6.891	6.900	-0.009	603965113	104.720	17(A)
8	Heptachlor epoxide	7.623	7.634	-0.011	540650952	103.896	17(A)
10	gamma-Chlordane	7.880	7.889	-0.009	551505823	105.162	18(A)
11	alpha-Chlordane	8.077	8.071	0.006	540206797	114.053	19(A)
9	Endosulfan I	8.106	8.100	0.006	221738280	46.8675	7.8
12	4,4'-DDE	8.348	8.358	-0.010	540806889	106.925	18

000077

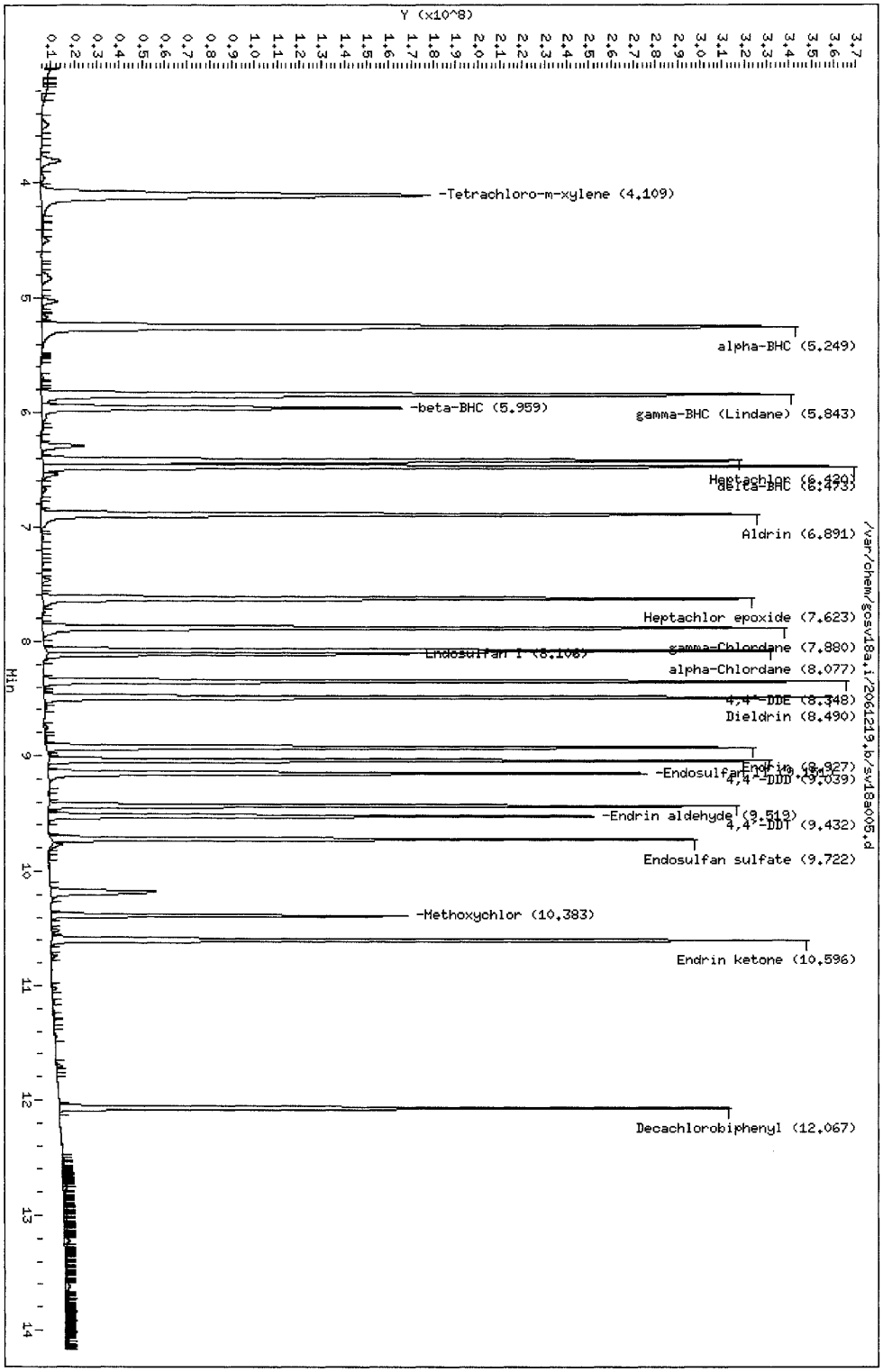
168461

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a005.d
Report Date: 20-Dec-2006 14:43

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
13	Dieldrin	8.490	8.501	-0.011	561077224	107.252	18
14	Endrin	8.927	8.938	-0.011	487457177	113.127	19
15	4,4'-DDD	9.039	9.049	-0.010	462531004	115.029	19
16	Endosulfan II	9.151	9.163	-0.012	412937035	94.2087	16
17	4,4'-DDT	9.432	9.442	-0.010	437220799	111.307	19
18	Endrin aldehyde	9.519	9.531	-0.012	362824180	102.946	17
20	Endosulfan sulfate	9.722	9.733	-0.011	423948532	119.079	20
19	Methoxychlor	10.383	10.397	-0.014	215277228	118.645	20
21	Endrin ketone	10.596	10.608	-0.012	504604213	119.271	20
$ 22	Decachlorobiphenyl	12.067	12.079	-0.012	426001948	104.801	17

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.



000079

168463

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCSD439446

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 206121514

Sample wt/vol: 30 | Units: g | Lab Sample ID: 439446

Level: (low/med) LOW | Date Collected: | Time:

% Moisture: | decanted: (Y/N) | Date Received:

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/18/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/19/06 | Time: 1652

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081

Prep Batch: 339014 | Analytical Batch: 339212 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061219/sv18a006

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
50-29-3	4,4'-DDT	0.017		0.000440	0.00200

FORM I ORG-1

000080

168464

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a006.d
Report Date: 20-Dec-2006 14:43

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061219.b/sv18a006.d
Lab Smp Id: 439446
Inj Date : 19-DEC-2006 16:52
Operator : tls Inst ID: gcsv18a.i
Smp Info : 439446*1 lcsd
Misc Info : GCSV~10757~*
Comment :
Method : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Meth Date : 20-Dec-2006 14:43 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 6 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	4.111	4.116	-0.005	432119530	80.4891	13
2	alpha-BHC	5.250	5.258	-0.008	655165916	89.5312	15
3	gamma-BHC (Lindane)	5.844	5.853	-0.009	587751160	92.6803	15
6	beta-BHC	5.959	5.967	-0.008	282419576	94.8579	16
4	Heptachlor	6.420	6.430	-0.010	505927460	90.6865	15
7	delta-BHC	6.473	6.482	-0.009	575109291	98.0660	16
5	Aldrin	6.890	6.900	-0.010	537078377	93.1231	16
8	Heptachlor epoxide	7.623	7.634	-0.011	495773635	95.2724	16
10	gamma-Chlordane	7.879	7.889	-0.010	506095232	96.5034	16
11	alpha-Chlordane	8.077	8.071	0.006	487408179	102.906	17(AM2)
9	Endosulfan I	8.105	8.100	0.005	231097162	48.8457	8.1(M2)
12	4,4'-DDE	8.348	8.358	-0.010	500761443	99.0076	17

000081

168465

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a006.d
Report Date: 20-Dec-2006 14:43

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
	13 Dieldrin	8.490	8.501	-0.011	519811928	99.3639	17
	14 Endrin	8.925	8.938	-0.013	447261600	103.798	17
	15 4,4'-DDD	9.038	9.049	-0.011	436341255	108.516	18
	16 Endosulfan II	9.150	9.163	-0.013	375366776	85.6373	14
	17 4,4'-DDT	9.431	9.442	-0.011	394330111	100.388	17
	18 Endrin aldehyde	9.518	9.531	-0.013	325672826	92.4049	15
	20 Endosulfan sulfate	9.721	9.733	-0.012	397886644	111.758	19
	19 Methoxychlor	10.383	10.397	-0.014	195570019	107.784	18
	21 Endrin ketone	10.595	10.608	-0.013	476565499	112.643	19
$	22 Decachlorobiphenyl	12.067	12.079	-0.012	386967350	95.1984	16

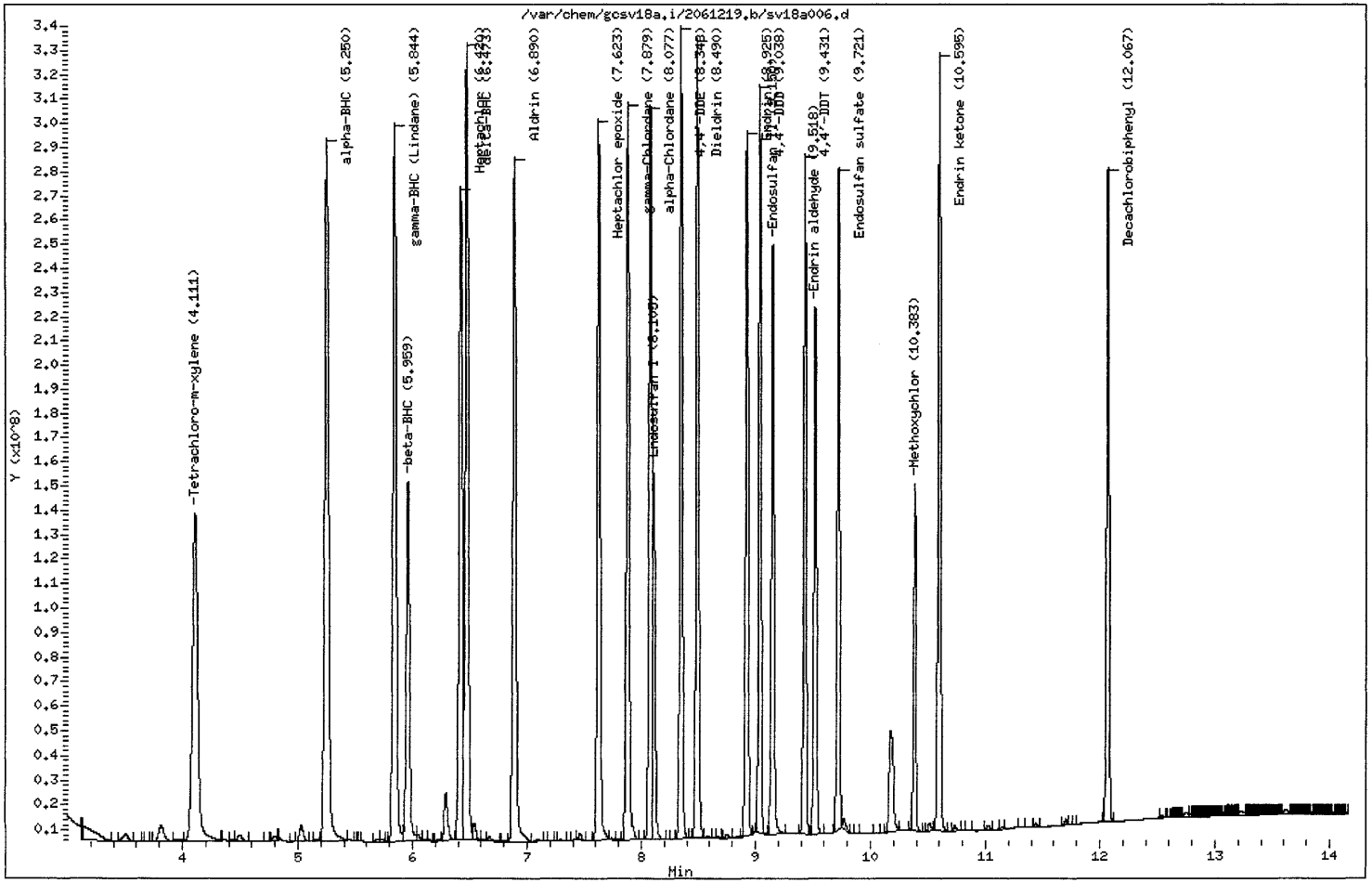
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M2- Compound response manually integrated because Target system integrated incorrectly.

000082

168466

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a006.d
Date : 19-DEC-2006 16:52
Client ID:
Instrument: gcsv18a.i
Sample Info: 439446M1 losd
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: IWSE34-034-(0.0-0.5) MS

Lab Code: LA024 Case No.:
Contract:

Matrix: Soil
SAS No.: SDG No.: 206121514

Sample wt/vol: 30.4 Units: g
Lab Sample ID: 20612151402

Level: (low/med) LOW
Date Collected: 12/07/06 Time: 1102

% Moisture: 30.5 decanted: (Y/N)
Date Received: 12/15/06

GC Column: RTX-35MS-3 ID: .25 (mm)
Date Extracted: 12/18/06

Concentrated Extract Volume: 5000 (µL)
Date Analyzed: 12/20/06 Time: 1047

Soil Aliquot Volume: (µL)
Dilution Factor: 1 Analyst: TLS

Injection Volume: 1 (µL)
Prep Method: 3550B

GPC Cleanup: (Y/N) N pH:
Analytical Method: SW-846 8081

Prep Batch: 339014 Analytical Batch: 339212
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg*
Lab File ID: 2061219/sv18a027

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
50-29-3	4,4'-DDT	0.018		0.000625	0.00284

FORM I ORG-1

168468

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a027.d
Report Date: 20-Dec-2006 14:43

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061219.b/sv18a027.d
Lab Smp Id: 20612151402
Inj Date : 20-DEC-2006 10:47
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612151402*1 ms
Misc Info : GCSV~10757~*
Comment :
Method : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Meth Date : 20-Dec-2006 14:43 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 27 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.40000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	4.109	4.117	-0.008	430835832	80.2500	13
2	alpha-BHC	5.248	5.258	-0.010	677329665	92.5600	15
3	gamma-BHC (Lindane)	5.842	5.853	-0.011	618343141	97.5042	16
6	beta-BHC	5.958	5.967	-0.009	283572380	95.2451	16
4	Heptachlor	6.420	6.430	-0.010	616314380	110.473	18(A)
7	delta-BHC	6.473	6.481	-0.008	756717455	129.033	21(A)
5	Aldrin	6.890	6.900	-0.010	637871544	110.599	18(A)
8	Heptachlor epoxide	7.622	7.634	-0.012	764120048	146.840	24(A)
10	gamma-Chlordane	7.878	7.889	-0.011	890912011	169.881	28(A)
11	alpha-Chlordane	8.077	8.070	0.007	682151348	144.022	24(A)
9	Endosulfan I	8.106	8.100	0.006	343515748	72.6069	12
12	4,4'-DDE	8.347	8.358	-0.011	609272897	120.462	20

000085

168469

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a027.d
Report Date: 20-Dec-2006 14:43

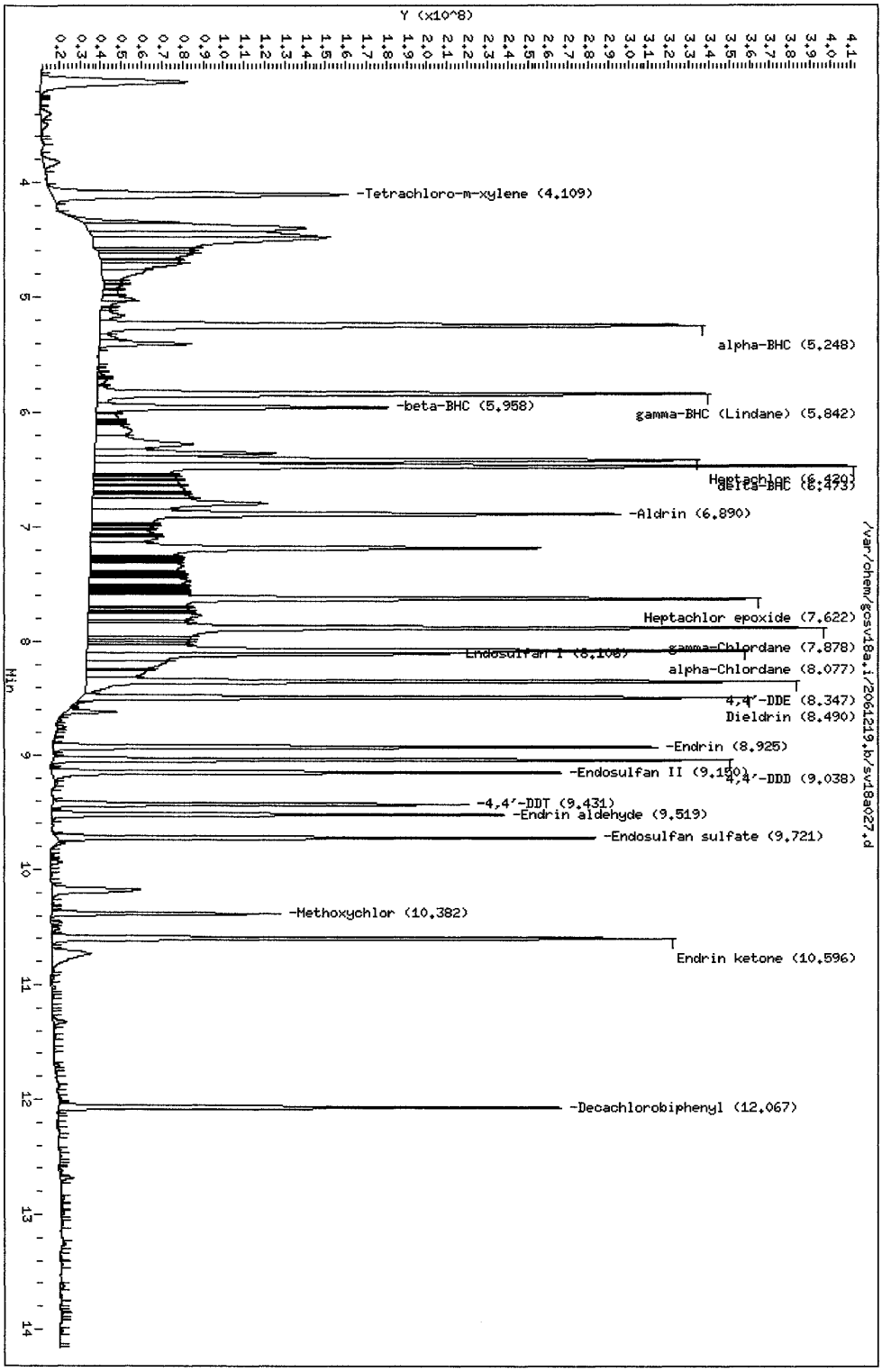
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
	13 Dieldrin	8.490	8.501	-0.011	513274204	98.1142	16
	14 Endrin	8.925	8.938	-0.013	447823185	103.929	17
	15 4,4'-DDD	9.038	9.049	-0.011	471502898	117.261	19
	16 Endosulfan II	9.150	9.163	-0.013	391338219	89.2811	15
	17 4,4'-DDT	9.431	9.441	-0.010	294414795	74.9514	12
	18 Endrin aldehyde	9.519	9.530	-0.011	326375738	92.6043	15
	20 Endosulfan sulfate	9.721	9.733	-0.012	389063964	109.280	18
	19 Methoxychlor	10.382	10.396	-0.014	152449714	84.0192	14
	21 Endrin ketone	10.596	10.608	-0.012	459136172	108.524	18
$	22 Decachlorobiphenyl	12.067	12.078	-0.011	355417169	87.4367	14

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

000086

168470



Data File: /var/chem/gcsv18a.i/20061219.b/sv18a027.d
Date : 20-DEC-2006 10:47
Client ID:
Sample Info: 20612151402M1 ms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32

000087

168471

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: IWSE34-034-(0.0-0.5) MSD

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 206121514

Sample wt/vol: 30.3 | Units: g | Lab Sample ID: 20612151403

Level: (low/med) LOW | Date Collected: 12/07/06 | Time: 1102

% Moisture: 30.5 | decanted: (Y/N) | Date Received: 12/15/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/18/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/20/06 | Time: 1106

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081

Prep Batch: 339014 | Analytical Batch: 339212 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061219/sv18a028

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
50-29-3	4,4'-DDT	0.018		0.000627	0.00285

FORM I ORG-1

000088

168472

Data File: /var/chem/gcsv18a.i/2061219.b/sv18a028.d
Report Date: 20-Dec-2006 14:43

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061219.b/sv18a028.d
Lab Smp Id: 20612151403
Inj Date : 20-DEC-2006 11:06
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612151403*1ms
Misc Info : GCSV~10757~*
Comment :
Method : /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Meth Date : 20-Dec-2006 14:43 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 28 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.30000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	4.110	4.117	-0.007	540661933	100.707	17(A)
2	alpha-BHC	5.249	5.258	-0.009	812901310	111.086	18(A)
3	gamma-BHC (Lindane)	5.843	5.853	-0.010	780187276	123.025	20(A)
6	beta-BHC	5.959	5.967	-0.008	376799174	126.558	21(A)
4	Heptachlor	6.419	6.430	-0.011	644828883	115.584	19(A)
7	delta-BHC	6.473	6.481	-0.008	816922309	139.299	23(A)
5	Aldrin	6.889	6.900	-0.011	708566763	122.857	20(A)
8	Heptachlor epoxide	7.624	7.634	-0.010	907981437	174.486	29(A)
10	gamma-Chlordane	7.879	7.889	-0.010	1251930291	238.721	39(A)
11	alpha-Chlordane	8.077	8.070	0.007	741358241	156.522	26(A)
9	Endosulfan I	8.104	8.100	0.004	419620785	88.6928	15
12	4,4'-DDE	8.347	8.358	-0.011	663569311	131.197	22

168473

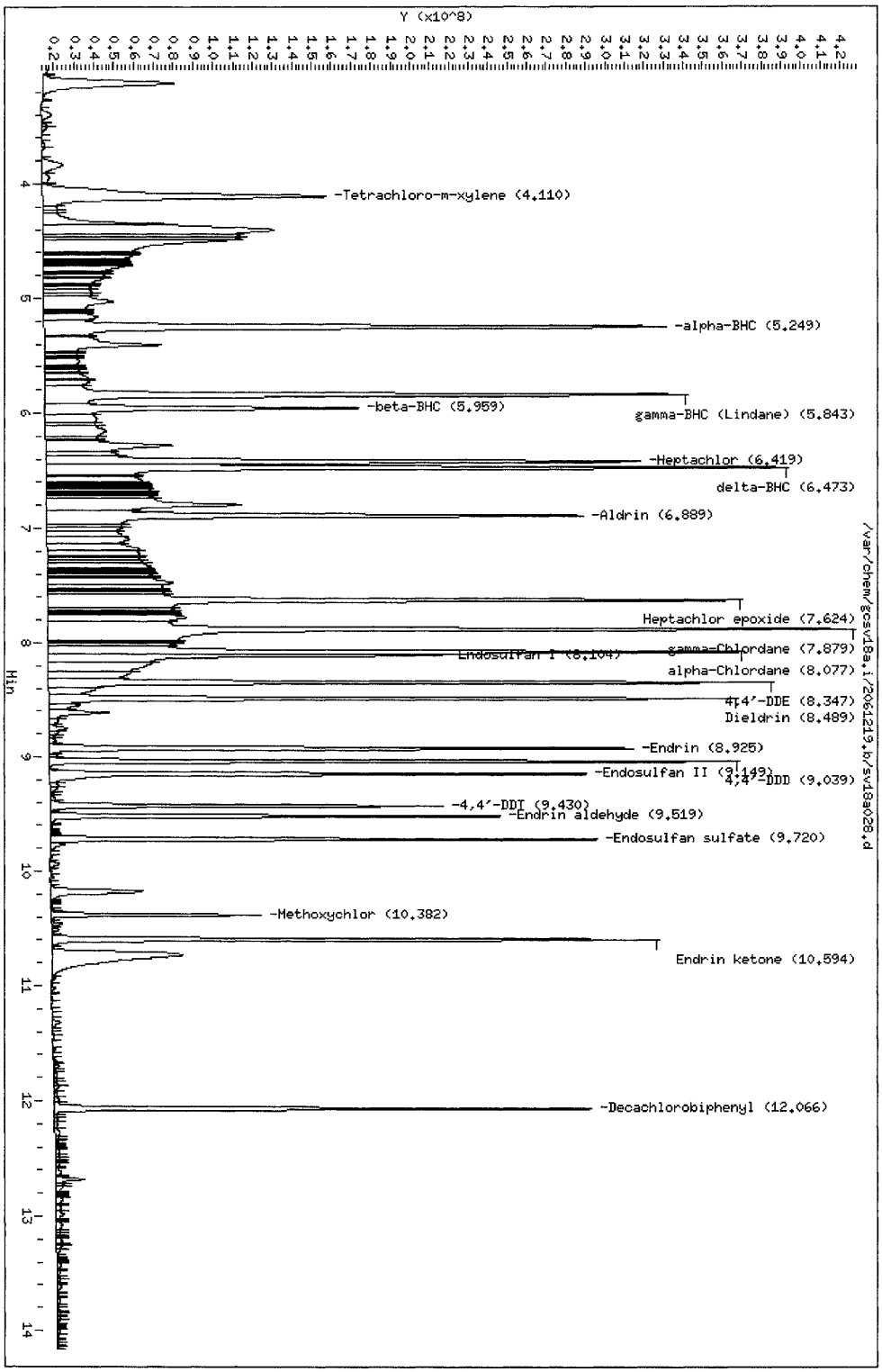
Data File: /var/chem/gcsv18a.i/2061219.b/sv18a028.d
Report Date: 20-Dec-2006 14:43

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
	13 Dieldrin	8.489	8.501	-0.012	590313754	112.841	19
	14 Endrin	8.925	8.938	-0.013	471035579	109.316	18
	15 4,4'-DDD	9.039	9.049	-0.010	499240006	124.159	20
	16 Endosulfan II	9.149	9.163	-0.014	452159000	103.157	17
	17 4,4'-DDT	9.430	9.441	-0.011	298637318	76.0264	13
	18 Endrin aldehyde	9.519	9.530	-0.011	343716860	97.5246	16
	20 Endosulfan sulfate	9.720	9.733	-0.013	408913644	114.856	19
	19 Methoxychlor	10.382	10.396	-0.014	149773639	82.5443	14
	21 Endrin ketone	10.594	10.608	-0.014	464988444	109.907	18
$	22 Decachlorobiphenyl	12.066	12.078	-0.012	393524276	96.8115	16

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

168474



Data File: /var/chem/gcsv18a.i/2061219.b/sv18a028.d
Date : 20-DEC-2006 11:06
Client ID:
Sample Info: 2061215140314ms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32

000091

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12-18-06 1100	BATCH NO:	339014
MATRIX:	WATER ☐ SOIL ☑ OTHER ☐	LEVEL:	LOW ☑ MEDIUM ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	Init pH	COMMENTS	METHOD
1	QC ACCOUNT	MB for HBN 339014 [EXTO/15873]	439444	30.0	5.0		PEST	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 339014 [EXTO/15873	439445	30.0	5.0			
3	QC ACCOUNT	LCSD for HBN 339014 [EXTO/1587	439446	30.0	5.0			SEPARATORY FUNNEL/3510
4	4482	IWSE34-034-(0.0-0.5)	20612151401	30.1	5.0			
5	4482	IWSE34-034-(0.0-0.5) MS	20612151402	30.4	5.0			GPC CLEANUP/3640
6	4482	IWSE34-034-(0.0-0.5) MSD	20612151403	30.3	5.0			
7	4482	IWSE34-034-(0.0-0.5) FD	20612151404	30.1	5.0			SONICATOR/3550 ✓
8								
9								FLORISIL CLEANUP/3620
10								
11								PCB H2So4/3665A CLEANUP
12								
13								WASTE DILUTION/3580
14								
15								TCLP EXTRACTION FLUID 1
16								
17								TCLP EXTRACTION FLUID 2
18								
19								MECL2/Acetone No:
20								C30E50
21								ACETONE LOT NO:
22								
23								MECL2 Lot No:
24								
25								HEXANE Lot No:
26								CH2E79
27								Sodium Sulfate Lot No:
28								C34605

SKB 12/19/06

COMMENTS: SAMPLE PREPARATION INCLUDE DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

SURROGATE ID	10-48-9	8081 SPIKE ID		608 SPIKE ID	10-48-8	TECHNICIAN		DATE
VOLUME	1.0ml	VOLUME		VOLUME	0.5ml			12-18-06
CONCENTRATION	0.5ng/ml	CONCENTRATION		CONCENTRATION	1.0ug/ml			12-18-06
ACID						SUPERVISOR		DATE
SPIKE WITNESS	HJS					John Bailey		12/19/06

000092

168476

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 12/15/2006
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2061211.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv18a001.d	1000.00 ml	11-DEC-2006 18:41	1.000	tls	1	deg
1206		sv18a002.d	1000.00 ml	11-DEC-2006 19:00	1.000	tls	2	8081
1201		sv18a003.d	1000.00 ml	11-DEC-2006 19:18	1.000	tls	3	8081
1202		sv18a004.d	1000.00 ml	11-DEC-2006 19:37	1.000	tls	4	8081
1203		sv18a005.d	1000.00 ml	11-DEC-2006 19:56	1.000	tls	5	8081
1204		sv18a006.d	1000.00 ml	11-DEC-2006 20:14	1.000	tls	6	8081
1205		sv18a007.d	1000.00 ml	11-DEC-2006 20:33	1.000	tls	7	8081
1600		sv18a008.d	1.00 ml	11-DEC-2006 20:52	1.000	tls	8	8081
1205		sv18a009.d	1000.00 ml	11-DEC-2006 21:10	1.000	tls	9	chlor
1201		sv18a010.d	1000.00 ml	11-DEC-2006 21:29	1.000	tls	10	tox
1205		sv18a011.d	1000.00 ml	11-DEC-2006 21:48	1.000	tls	11	tox
1203		sv18a012.d	1000.00 ml	11-DEC-2006 22:06	1.000	tls	12	aro1221
1203		sv18a013.d	1000.00 ml	11-DEC-2006 22:25	1.000	tls	13	aro1232
1203		sv18a014.d	1000.00 ml	11-DEC-2006 22:44	1.000	tls	14	aro1242
1203		sv18a015.d	1000.00 ml	11-DEC-2006 23:02	1.000	tls	15	aro1248
1203		sv18a016.d	1000.00 ml	11-DEC-2006 23:21	1.000	tls	16	aro1254
1206		sv18a017.d	1000.00 ml	11-DEC-2006 23:40	1.000	tls	17	aro1260
1201		sv18a018.d	1000.00 ml	11-DEC-2006 23:59	1.000	tls	18	aro1260
1202		sv18a019.d	1000.00 ml	12-DEC-2006 00:18	1.000	tls	19	aro1260
1203		sv18a020.d	1000.00 ml	12-DEC-2006 00:36	1.000	tls	20	aro1260
1204		sv18a021.d	1000.00 ml	12-DEC-2006 00:55	1.000	tls	21	aro1260
1205		sv18a022.d	1000.00 ml	12-DEC-2006 01:14	1.000	tls	22	aro1260
1600		sv18a023.d	1.00 ml	12-DEC-2006 01:33	1.000	tls	23	aro1260
deg		sv18a024.d	1000.00 ml	12-DEC-2006 01:51	1.000	tls	24	deg
436648		sv18a025.d	1000.00 ml	12-DEC-2006 02:10	1.000	hjl	25	all
436646		sv18a026.d	1000.00 ml	12-DEC-2006 02:29	1.000	hjl	26	8081
436647		sv18a027.d	1000.00 ml	12-DEC-2006 02:47	1.000	hjl	27	8081
436649		sv18a028.d	1000.00 ml	12-DEC-2006 03:06	1.000	hjl	28	ar1260s
436650		sv18a029.d	1000.00 ml	12-DEC-2006 03:25	1.000	hjl	29	ar1260s
20612072301		sv18a030.d	1000.00 ml	12-DEC-2006 03:43	1.000	hjl	30	all
20612072302		sv18a031.d	1000.00 ml	12-DEC-2006 04:02	1.000	hjl	31	all
20612072303		sv18a032.d	1000.00 ml	12-DEC-2006 04:21	1.000	hjl	32	8081
20612072304		sv18a033.d	1000.00 ml	12-DEC-2006 04:40	1.000	hjl	33	8081
20612072303		sv18a034.d	1000.00 ml	12-DEC-2006 04:58	1.000	hjl	34	ar1260s
1400		sv18a035.d	1000.00 ml	12-DEC-2006 05:17	1.000	tls	35	8081
1400		sv18a036.d	1000.00 ml	12-DEC-2006 05:35	1.000	tls	36	8081

168477

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 12/15/2006
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2061211.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
1400		sv18a037.d	1000.00 ml	12-DEC-2006 05:54	1.000	tls	37	aro1260
1400		sv18a038.d	1000.00 ml	12-DEC-2006 06:13	1.000	tls	38	aro1260
20612072304		sv18a039.d	1000.00 ml	12-DEC-2006 06:32	1.000	hjl	39	ar1260s
20612072305		sv18a040.d	1000.00 ml	12-DEC-2006 06:50	1.000	hjl	40	all
20612072306		sv18a041.d	1000.00 ml	12-DEC-2006 07:09	1.000	hjl	41	all
20612072307		sv18a042.d	1000.00 ml	12-DEC-2006 07:28	1.000	hjl	42	all
20612072308		sv18a043.d	1000.00 ml	12-DEC-2006 07:46	1.000	hjl	43	all
20612072309		sv18a044.d	1000.00 ml	12-DEC-2006 08:05	1.000	hjl	44	all
1400		sv18a045.d	1000.00 ml	12-DEC-2006 08:24	1.000	tls	45	8081
1400		sv18a046.d	1000.00 ml	12-DEC-2006 08:42	1.000	tls	46	8081
1400		sv18a047.d	1000.00 ml	12-DEC-2006 09:01	1.000	tls	47	aro1260
1400		sv18a048.d	1000.00 ml	12-DEC-2006 09:20	1.000	tls	48	aro1260

168478

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 12/20/2006
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2061219.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2061219.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv18a001.d	1000.00 ml	19-DEC-2006 14:56	1.000	tls	1	deg
1400		sv18a002.d	1000.00 ml	19-DEC-2006 15:14	1.000	tls	2	8081
1400		sv18a003.d	1000.00 ml	19-DEC-2006 15:33	1.000	tls	3	aro1260
439444		sv18a004.d	30.00 g	19-DEC-2006 16:14	1.000	tls	4	pest
439445		sv18a005.d	30.00 g	19-DEC-2006 16:33	1.000	tls	5	8081
439446		sv18a006.d	30.00 g	19-DEC-2006 16:52	1.000	tls	6	8081
1400		sv18a007.d	1000.00 ml	19-DEC-2006 17:10	1.000	tls	7	8081
1400		sv18a008.d	1000.00 ml	19-DEC-2006 17:29	1.000	tls	8	8081
20612151401		sv18a009.d	30.00 g	19-DEC-2006 17:48	1.000	tls	9	all
20612151402		sv18a012.d	30.00 g	19-DEC-2006 18:44	1.000	tls	12	all
20612151403		sv18a015.d	30.00 g	19-DEC-2006 19:40	1.000	tls	15	all
20612151404		sv18a018.d	30.00 g	19-DEC-2006 20:36	1.000	tls	18	all
1400		sv18a022.d	1000.00 ml	19-DEC-2006 21:51	1.000	tls	22	8081
1400		sv18a023.d	1000.00 ml	19-DEC-2006 22:10	1.000	tls	23	8081
deg		sv18a024.d	1000.00 ml	20-DEC-2006 09:06	1.000	tls	24	deg
1400		sv18a025.d	1000.00 ml	20-DEC-2006 09:25	1.000	tls	25	8081
20612151401		sv18a026.d	30.10 g	20-DEC-2006 10:28	1.000	tls	26	pest
20612151402		sv18a027.d	30.40 g	20-DEC-2006 10:47	1.000	tls	27	pest
20612151403		sv18a028.d	30.30 g	20-DEC-2006 11:06	1.000	tls	28	pest
20612151404		sv18a029.d	30.10 g	20-DEC-2006 11:24	1.000	tls	29	all
1400		sv18a030.d	1000.00 ml	20-DEC-2006 11:43	1.000	tls	30	8081
1400		sv18a031.d	1000.00 ml	20-DEC-2006 13:40	1.000	tls	31	8081
1400		sv18a032.d	1000.00 ml	20-DEC-2006 14:29	1.000	tls	32	8081

168479

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612151401	IWSE34-034-(0.0-0.5)	Solid	12/07/2006 11:02	12/15/2006 12:30

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/17/2006 11:00	SLL	338967

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	30.5			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612151404	IWSE34-034-(0.0-0.5) FD	Solid	12/07/2006 11:02	12/15/2006 12:30

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/17/2006 11:00	SLL	338967

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	31.0			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

TOTAL SOLIDS AND MOISTURE ANALYSIS FOR DRY WEIGHT CORRECTION

DW TMS

HBN	338966	338967		ANALYST:	SLL		DATE:	12/17/2006
SOLI	8164	8165		REVIEW:	Bmc 12/18/06		TIME:	11:00:00

Sample ID	Pan ID	Pan Mass (g)	Initial Mass (g) (Sample & Pan)	Final Mass (g) (Sample & Pan)	Initial Mass Less Pan (g)	Final Mass Less Pan (g)	% Moisture in Sample	% Solids in Sample
20612151301	1301	1.0139	11.8654	3.2859	10.8515	2.2720	79.06	20.94
20612151302	1302	1.0077	10.9855	3.1760	9.9778	2.1683	78.27	21.73
20612151303	1303	1.0108	10.0041	3.0467	8.9933	2.0359	77.36	22.64
20612151304	1304	1.0296	11.3643	3.1334	10.3347	2.1038	79.64	20.36
20612151401	1401	1.0134	10.8332	7.8382	9.8198	6.8248	30.50	69.50
20612151402 MS	1401	1.0134	10.8332	7.8382	9.8198	6.8248	30.50	69.50
20612151403 MSD	1401	1.0134	10.8332	7.8382	9.8198	6.8248	30.50	69.50
20612151404	1404	1.0173	10.1358	7.3125	9.1185	6.2952	30.96	69.04
20612161808	1808	1.0260	10.5216	7.9077	9.4956	6.8817	27.53	72.47

TS % = (Final Sample Mass x 100) / Initial Sample Mass

TM % = 100-TS%

8606090

168482

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Client Name	Client #	Workorder #	Due Date
PBW	4482	706121514	12-22-06

Report to:
Client: PBW
Address: 2201 Double Creek Drive suite 4004 Round Rock, TX
Contact: Eric Pastor
Phone: (512) 671-3434
Fax:

Bill to:
Client:
Address:
Contact:
Phone:
Fax:

P.O. Number

Project Name/Number: Sediment/Water

Sampled By: MA

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	4,4 DDT	%M	MS/MSD	Duplicate	Lab ID
Sed	12-7 2006	11:02			IWSE34-034-(0.0-0.5)	4°	1	X	X	X	X	FD 4

Analytical Requests & Method

Lab use only:
Custody Seal
used ☐ yes ☐ no
in tact ☐ yes ☐ no
Temperature °C 2

Remarks: MS MS 1, 2, 3

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☐ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		12-14-06	1400
Fedex		12-15-06	1230

Note:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

168483

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	206121514	**Type:**	D
Desc:		**Report:**	REVIEW_RPT
Work ID:	Gulfco Marine Maintenance Site	**Status:**	WP
Project Seq:	50845	**Created:**	12/15/2006 13:38
Client:	4482 - Pastor, Behling, & Wheeler	**QA:**	
Profile:	78418 - GULFCO - Gulfco Marine Maintenance Site	**PO:**	1352

WORKORDER SAMPLES

Container ID	Type	Preservative	pH PRESERVATIVE A	pH PRESERVATIVE U	pH PRESERVATIVE N\A	VOA HEADSPACE A	VOA HEADSPACE U	VOA HEADSPACE N\A	CONTAINER CONDITION
20612151401-1	16	NONE			X			X	OK
20612151402-1	16	NONE			X			X	OK
20612151403-1	16	NONE			X			X	OK
20612151404-1	4	NONE			X			X	OK

A = ACCEPTABLE
U = UNACCEPTABLE
N\A = NOT APPLICABLE

COOLER (S) TEMPERATURE (A) U LIMIT = 4C + \ - 2C

MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

Custody Seal
used ~~[ ] Yes~~ [ ] No
in tact ~~[ ] Yes~~ [ ] No

LABEL(S) VERIFIED RBG CUSTODIAN MP

000100

168484

DATA VALIDATION CHECKLIST (Level III)				
Client Name: Pastor, Behling, & Wheeler	Project Number: 1352			
Property Location: Gulfco Superfund Site	Project Manager: Eric Pastor			
Laboratory: GCAL – Baton Rouge, LA	Laboratory Job No.: 207122020			
Reviewer: Taryn Scholz and Don Flory (QAA, L.L.C.)	Date Checked: 1/26/08			
ITEM	**Yes**	**No**	**NA**	**Comment Number**
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	x			
2. Date and time of sample collection included?	x			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?		x		3.
4. Field QC sample frequency met project requirements?	x			
5. Sample receipt temperature 2-6°C?	x			
6. Samples preserved appropriately?	x			
7. Samples received within 2 days of collection?	x			
8. No problems noted?	x			
Laboratory Report and Data Package				
9. Signed Case Narrative included?	x			
10. No analytical discrepancies noted in case narrative?		x		10.
11. Elevated reporting limits justified?	x			11.
12. MDLs reasonable per MDL check?	x			
13. Calibration data acceptable?		x		see Attachment 1
14. ICV and CCV recoveries within project control limits?		x		see Attachment 1
15. ICB and CCB results <RL (MQL)?		x		see Attachment 1
16. Internal standard areas within project control limits?	x			
Laboratory EDD				
17. Field sample IDs included?	x			
18. Laboratory sample IDs included?	x			
19. Date of analysis included?	x			
20. Date of sample preparation included?	x			
21. Samples prepared within holding time?	x			
22. Samples analyzed within holding time?	x			
23. Detection limit and quantitation limit included?	x			
24. Project target limits achieved?		x		24.
25. No elevated reporting limits?		x		25.
26. Method references included?	x			
27. Sample matrix included?	x			
28. Sample result units reported correctly?	x			28.
29. Soil/ sediment results corrected for dry-weight?	x			
30. Method blank results <RL (MDL)?		x		see Attachment 1
31. Equipment and Trip blank results <RL (MDL)?		x		see Attachment 1
32. All COIs included in LCS?	x			32.
33. LCS recovery within project control limits?		x		see Attachment 1
34. MS/MSD recoveries within project control limits?		x		see Attachment 1
35. LCS/LCSD RPDs within project control limits?		x		see Attachment 1
36. MS/MSD RPDs within project control limits?		x		see Attachment 1
37. Laboratory duplicate RPDs/Diffs within project control limits?	x			
38. Field duplicate RPDs/Diffs within project control limits?		x		see Attachment 1
39. Surrogate recoveries within project control limits?		x		see Attachment 1
40. Completeness percentage within project limits?	x			40.

Definitions:
CCB – Continuing Calibration Blank; **CCV** – Continuing Calibration Verification; **COI** – Compounds of Interest; **DCS** – Detectability Check Sample; **ICB** – Initial Calibration Blank; **ICV** – Initial Calibration Verification; **LCS** – Laboratory Control Sample; **LCSD** – Laboratory Control Sample Duplicate; **MDL** – Method Detection Limit; **MS/MSD** – Matrix Spike/Matrix Spike Duplicate; **RL** – Reporting Limit; **RPD** – Relative Percent Difference

168485

COMMENTS

Level IV Check - GC/MS RRF for instrument calibration also included in Level III checks after deficiencies noted in first samples – see Attachment 1 for deficiencies noted

3. For the single VOC sample (2WSED9 (1-2)), the laboratory reported one analyte that was not requested (1,2-Dichloroethene(Total)) and did not report one analyte that was requested (Cyclohexane). Cyclohexane is not crucial to the project and thus a re-submittal was not requested. The laboratory was notified of the oversight and corrective action taken for future samples. Completeness values were adjusted accordingly.

10. Issues noted for all parameters. All are based on laboratory limits, which do not affect flagging for this site, except:

Pest and PCB – The final extract volume is 5-ml rather than 10-ml, but the LCS and MS spike amounts were not adjusted and thus some measured values are above the calibration range (E-flag).

11. Sample 2WSED9 (1-2) and its MS/MSD analyzed at 50x dilution for 2-chloroethylvinyl ether (i.e., as high level, methanol extract soil due to QC problems with low level).

24. Actual MDLs are above the target MDLs for the following:

	Target MDL (mg/kg)	Actual MDL (mg/kg)
Copper	0.13	0.17
Benzidine	0.067	0.252
Bis(2-Ethylhexyl)phthalate	0.022	0.038
n-Nitrosodimethylamine	0.065	0.097

Note that the MDLs have been routinely updated by the laboratory (based on new MDL studies and/or MDL check standards) since the Phase 2 sediment sampling (Dec 06). Several other Metals, SVOCs, and Pesticides have higher MDLs (>2x) than previously reported, but are all below the Target MDLs.

Actual MQLs are above the target MQLs for the following:

	Target MQL (mg/kg)	Actual MQL (mg/kg)
Boron	4	40

The 4 mg/kg MQL is project-specific (40 mg/kg is the laboratory's standard MQL). The higher MQL has minimal effect on data quality. A result of 11.7 mg/kg is reported for the single Boron sample (2WSED9 (1-2)) and is flagged as estimated due to the higher MQL. The laboratory was notified and corrective action taken for future samples.

25. The single VOC sample (2WSED9 (1-2)) was analyzed as a med level soil (50x dilution) for 2-Chloroethylvinyl ether.

28. Results, SDLs, and SQLs are in mg/kg dry-weight as requested. However, the user should note that the MDLs and MQLs for organics are in ug/kg and this is not accounted for in the Prep Factor or Dilution Factor.

32. All analytes routinely spiked by the lab are included as per the QAPP. This is every TA except n-Butyl alcohol, Toxaphene, and the 5 middle Aroclors.

40. The completeness on an analyte level was low (32%) for Hexavalent Chromium for Phase 1 and 2 sediments due to a miscommunication on the analysis request for some of the early samples. This analyte has since been removed from the analytical protocol and thus its will no longer be tracked.

SET SUMMARY
Laboratory Job No.: 207122020

11	Number of Field Samples including Field Duplicates (1)
1	Number of Field MS/MSD Pairs
1	Number of Equipment Rinsate Blanks
1	Number of Field Blanks
2	Number of VOC Trip Blanks
6	Number of Parameters (VOC, SVOC, Pesticides, Aroclors, Metals, TOC)
NA	Number of Target Analytes per Sample (varies by sample)
217	Total Measurements for Field Samples
191	Number of measurements with no validation qualifier (i.e., "none" in EDD)
6	Number of measurements with UJ flag (for various analytes due to low laboratory and/or matrix spike recovery; poor calibration fit and/or negative drift)
6	Number of measurements with UJ flag and an elevated SDL (for 2-Chloroethylvinyl ether, Acrolein, N-Nitrosodimethylamine, Pentachlorophenol, Pyridine, and trans-1,4-Dichloro-2-butene due to poor instrument response, i.e., low RRF)
1	Number of measurements with J- flag (for Antimony due to low matrix spike recovery)
3	Number of measurements with J flag (due solely to result being between the SDL and SQL)
7	Number of measurements with J flag (for one Manganese result due to poor matrix spike precision and six Zinc results due to poor field duplicate precision)
0	Number of measurements with J+ flag
3	Number of measurements with U flag (due to blank contamination; analytes affected include Acetone, Mercury, and Methylene chloride)
0	Number of measurements with NS flag
0	Number of measurements with R flag
100%	Completeness-to-date on a sample level (percentage of Phase 1, 2, and 3 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 90%)
90%	Completeness-to-date on an analyte level (percentage of Phase 1, 2, and 3 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 80%) – 2-Chloroethylvinyl ether
92%	Completeness-to-date on an analyte level (percentage of Phase 1, 2, and 3 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 80%) – Antimony
88%	Completeness-to-date on an analyte level (percentage of Phase 1, 2, and 3 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 80%) – Benzidine
99%	Completeness-to-date on an analyte level (percentage of Phase 1, 2, and 3 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 80%) – Cyclohexane
100%	Completeness-to-date on an analyte level (percentage of Phase 1, 2, and 3 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 80%) – each remaining individual SE target analyte
99.5%	Completeness-to-date on an analyte level (percentage of Phase 1, 2, and 3 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 80%) – all target analytes (i.e., all data points)

Usability: All data suitable as qualified for the intended use. Data for 2-Chloroethylvinyl ether, Acrolein, N-Nitrosodimethylamine, Pentachlorophenol, Pyridine, and trans-1,4-Dichloro-2-butene are usable with an elevated reporting limit for the non-detects (as given in the Electronic Data Deliverable). Measurements qualified with a U-flag should be considered not present at the concentration reported.

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
SS-900 (0-0.5)	Zinc	J	poor field dup precision (100 RPD)
2WSED9 (1-2)	Antimony	J-	low ave MS/MSD recovery (38%)
2WSED9 (1-2)	Boron	J	result between SDL and SQL
2WSED9 (1-2)	Cadmium	J	result between SDL and SQL
2WSED9 (1-2)	Manganese	J	poor MS/MSD precision (52 RPD)
2WSED9 (1-2)	Zinc	J	poor field dup precision (100 RPD)
2WSED9 (1-2)	Mercury	U	laboratory blank contamination (0.0069 B mg/kg)
2WSED9 (1-2)	2-Chloroethylvinyl ether	UJ	low instrument response (low RRF), elevate SDL for NDs 26x (SE)
2WSED9 (1-2)	Acetone	U	trip blank contamination (0.00168 J mg/L); equipment blank contamination (0.00213 J mg/L); calibration drift (%D= 48); result between SDL and SQL
2WSED9 (1-2)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 5x (SE); low ave MS/MSD recovery (59%)
2WSED9 (1-2)	Chloroethane	UJ	calibration drift (%D= -22)
2WSED9 (1-2)	Chloroform	J	result between SDL and SQL
2WSED9 (1-2)	Methyl Acetate	UJ	low ave MS/MSD recovery (59%)
2WSED9 (1-2)	Methylene chloride	U	trip blank contamination (0.00147 J mg/L); equipment blank contamination (0.00253 J mg/L); result between SDL and SQL
2WSED9 (1-2)	n-Butyl alcohol	UJ	calibration drift (%D= -32)
2WSED9 (1-2)	trans-1,4-Dichloro-2-butene	UJ	low instrument response (low RRF), elevate SDL for NDs 7x (SE)
2WSED9 (1-2)	Vinyl acetate	UJ	low ave MS/MSD recovery (15%)
2WSED9 (1-2)	Benzidine	UJ	low ave LCS/LCSD recovery (17.5%); low ave MS/MSD recovery (17.5%)
2WSED9 (1-2)	Benzoic acid	UJ	low ave MS/MSD recovery (56%)
2WSED9 (1-2)	n-Nitrosodimethylamine	UJ	low instrument response (low RRF), elevate SDL for NDs 4x (SE)
2WSED9 (1-2)	Pentachlorophenol	UJ	low instrument response (low RRF), elevate SDL for NDs 19x (SE); poor calibration fit (%RSD=26)
2WSED9 (1-2)	Pyridine	UJ	low instrument response (low RRF), elevate SDL for NDs 5x (SE)
3WSED1 (0-0.5)	Zinc	J	poor field dup precision (100 RPD)
3WSED2 (0-0.5)	Zinc	J	poor field dup precision (100 RPD)
3WSED8 (0-0.5)	Zinc	J	poor field dup precision (100 RPD)
3WSED9 (0-0.5)	Zinc	J	poor field dup precision (100 RPD)

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type _code	Analytical _Method	Total_or_ dissolved	Matrix	Parameter	Valid_qualifier	Result_type _code	Prep_date	Prep_time	Analysis _Date	Analysis _Time	QC_comment	QC_ Batch
x	CCB5-122207-2038to2329	CCB	SW6010B			Aluminum	U to RRs <= 5 x BlankEquivConc (none)	ICP			12/22/07	23:29	calibration blank contamination (0.24 mg/L, 9.6 mg/kg)	
MB for HBN 363849 [DIGM/16785]	558098	LB	SW6010B	total	S	Aluminum	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	16:35	12/22/07	20:45	laboratory blank contamination (5.41 B mg/kg)	363975
SS121907-FB	20712202015	FLDBK	SW6010B	total	W	Aluminum	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:37	field blank contamination (0.09 B mg/L)	363975
SS121907-EB	20712202014	EQBK	SW6010B	total	W	Aluminum	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:30	equipment blank contamination (0.071 B mg/L)	363975
SS121907-FB	20712202015	FLDBK	SW6010B	total	W	Antimony	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:37	field blank contamination (0.0047 B mg/L)	363975
SS121907-EB	20712202014	EQBK	SW6010B	total	W	Antimony	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:30	equipment blank contamination (0.0036 B mg/L)	363975
SS121907-FB	20712202015	FLDBK	SW6010B	total	W	Cobalt	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:37	field blank contamination (0.00074 B mg/L)	363975
SS121907-EB	20712202014	EQBK	SW6010B	total	W	Cobalt	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:30	equipment blank contamination (0.00057 B mg/L)	363975
SS121907-FB	20712202015	FLDBK	SW6010B	total	W	Iron	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:37	field blank contamination (0.017 B mg/L)	363975
SS121907-EB	20712202014	EQBK	SW6010B	total	W	Iron	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:30	equipment blank contamination (0.092 B mg/L)	363975
SS121907-EB	20712202014	EQBK	SW6010B	total	W	Manganese	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:30	equipment blank contamination (0.0052 B mg/L)	363975
SS121907-EB	20712202014	EQBK	SW6010B	total	W	Strontium	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:30	equipment blank contamination (0.00069 B mg/L)	363975
SS121907-EB	20712202014	EQBK	SW6010B	total	W	Thallium	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:30	equipment blank contamination (0.0061 B mg/L)	363975
MB for HBN 363849 [DIGM/16785]	558098	LB	SW6010B	total	S	Tin	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	16:35	12/22/07	20:45	laboratory blank contamination (1 B mg/kg)	363975
MB for HBN 363849 [DIGM/16785]	558098	LB	SW6010B	total	S	Titanium	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	16:35	12/22/07	20:45	laboratory blank contamination (0.035 B mg/kg)	363975
MB for HBN 363849 [DIGM/16785]	558098	LB	SW6010B	total	S	Zinc	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	16:35	12/22/07	20:45	laboratory blank contamination (0.42 B mg/kg)	363975
SS121907-EB	20712202014	EQBK	SW6010B	total	W	Zinc	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:30	equipment blank contamination (0.0045 B mg/L)	363975
2WSED9 MSD (1-2)	20712202003	MSD	SW6010B	total	S	Aluminum	none (waived due to high parent conc)	TRG	12/20/07	16:35	12/22/07	21:14	high ave MS/MSD recovery (2340%)	363975
2WSED9 MSD (1-2)	20712202003	MSD	SW6010B	total	S	Antimony	J- / UJ to RRs/NDs	TRG	12/20/07	16:35	12/22/07	21:14	low ave MS/MSD recovery (38%)	363975

ATTACHMENT 1

2WSED9 MSD (1-2)	20712202003	MSD	SW6010B	total	S	Barium	none (waived due to high parent conc)	TRG	12/20/07	16:35	12/22/07	21:14	high ave MS/MSD recovery (168%)	363975
2WSED9 MSD (1-2)	20712202003	MSD	SW6010B	total	S	Iron	none (waived due to high parent conc)	TRG	12/20/07	16:35	12/22/07	21:14	high ave MS/MSD recovery (713%)	363975
2WSED9 MSD (1-2)	20712202003	MSD	SW6010B	total	S	Manganese	none (waived due to high parent conc)	TRG	12/20/07	16:35	12/22/07	21:14	extremely low ave MS/MSD recovery (-550%)	363975
2WSED9 MSD (1-2)	20712202003	MSD	SW6010B	total	S	Manganese	J to RRs	TRG	12/20/07	16:35	12/22/07	21:14	poor MS/MSD precision (52 RPD)	363975
2WSED9 MSD (1-2)	20712202003	MSD	SW6010B	total	S	Strontium	none (waived due to high parent conc)	TRG	12/20/07	16:35	12/22/07	21:14	low ave MS/MSD recovery (57%)	363975
2WSED9 MSD (1-2)	20712202003	MSD	SW6010B	total	S	Titanium	none (waived due to high parent conc)	TRG	12/20/07	16:35	12/22/07	21:14	high ave MS/MSD recovery (150%)	363975
SS-900 (0-0.5)	20712202010	SMP	SW6010B	total	S	Zinc	J to RRs (to all seds)	TRG	12/20/07	16:35	12/22/07	22:32	poor field dup precision (100 RPD)	363975
MB for HBN 363852 [DIGM/16787]	558104	LB	SW7471A	total	S	Mercury	U to RRs < 5 x BlankEquivConc	TRG	12/20/07	16:35	12/21/07	9:51	laboratory blank contamination (0.0069 B mg/kg)	363903
LCSD for HBN 364231 [EXTO/1912	559661	LCSD	SW8081A		S	delta-BHC	J to RRs (none)	TRG	12/30/07	18:00	12/31/07	14:37	poor LCS/LCSD precision (76 RPD)	364684
LCSD for HBN 364231 [EXTO/1912	559661	LCSD	SW8081A		S	Endosulfan sulfate	J to RRs (none)	TRG	12/30/07	18:00	12/31/07	14:37	poor LCS/LCSD precision (45 RPD)	364684
2WSED9 MSD (1-2)	20712202003	MSD	SW8081A		S	4,4'-DDT	J+ to RRs (none)	TRG	12/30/07	18:00	1/4/08	12:53	high ave MS/MSD recovery (146%)	364684
2WSED9 MSD (1-2)	20712202003	MSD	SW8081A		S	gamma-Chlordane	J+ to RRs (none)	TRG	12/30/07	18:00	1/4/08	12:53	high ave MS/MSD recovery (148%)	364684
3WSED2 (0-0.5)	20712202008	SMP	SW8081A		S	Decachlorobiphenyl	J+ to RRs (none)	SUR	12/30/07	18:00	1/4/08	16:49	high SU recovery (167%)	364684
3WSED2 (0-0.5)	20712202008	SMP	SW8081A		S	Tetrachloro-m-xylene	J+ to RRs (none)	SUR	12/30/07	18:00	1/4/08	16:49	high SU recovery (161%)	364684
SS-900 (0-0.5)	20712202010	SMP	SW8081A		S	Decachlorobiphenyl	J+ to RRs (none)	SUR	12/30/07	18:00	1/4/08	17:45	high SU recovery (141%)	364684
SS-900 (0-0.5)	20712202010	SMP	SW8081A		S	Tetrachloro-m-xylene	J+ to RRs (none)	SUR	12/30/07	18:00	1/4/08	17:45	high SU recovery (145%)	364684
x	x1935	CCV1	SW8260B			2,2-Dichloropropane	J+ to RRs (none)	VOC			12/31/07	10:47	calibration drift (%D= 23)	
x	c9271	ICAL1	SW8260B			2-Chloroethyl vinyl ether	J / UJ to RRs/NDs	VOC			12/28/07	19:48	low instrument response (low RRF), elevate SDL for NDs 26x (SE)	
TB-2	20712202016	TRIPBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			12/30/07	13:22	trip blank contamination (0.00168 J mg/L)	364394
SS121907-EB	20712202014	EQBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			12/30/07	12:36	equipment blank contamination (0.00213 J mg/L)	364394

ATTACHMENT 1

x	x1935	CCV1	SW8260B			Acetone	J+ to RRs	VOC			12/31/07	10:47	calibration drift (%D= 48)	
x	x1904	ICAL1	SW8260B			Acrolein	J / UJ to RRs/NDs	VOC			12/30/07	11:42	low instrument response (low RRF), elevate SDL for NDs 5x (SE)	
2WSED9 MSD (1-2)	20712202003	MSD	SW8260B		S	Acrolein	J- / UJ to RRs/NDs	TRG			12/31/07	17:26	low ave MS/MSD recovery (59%)	364414
x	x1935	CCV1	SW8260B			Chloroethane	J- / UJ to RRs/NDs	VOC			12/31/07	10:47	calibration drift (%D= -22)	
2WSED9 MSD (1-2)	20712202003	MSD	SW8260B		S	Methyl Acetate	J- / UJ to RRs/NDs	TRG			12/31/07	17:26	low ave MS/MSD recovery (59%)	364414
x	x1935	CCV1	SW8260B			Methyl iodide	J+ to RRs (none)	VOC			12/31/07	10:47	calibration drift (%D= 26)	
LCSD for HBN 364414 [MSV/12197	560455	LCSD	SW8260B		S	Methyl iodide	J+ to RRs (none)	TRG			12/31/07	12:11	high ave LCS/LCSD recovery (166%)	364414
2WSED9 MSD (1-2)	20712202003	MSD	SW8260B		S	Methyl iodide	J+ to RRs (none)	TRG			12/31/07	17:26	high ave MS/MSD recovery (146%)	364414
TB-2	20712202016	TRIPBK	SW8260B		W	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			12/30/07	13:22	trip blank contamination (0.00147 J mg/L)	364394
SS121907-EB	20712202014	EQBK	SW8260B		W	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			12/30/07	12:36	equipment blank contamination (0.00253 J mg/L)	364394
x	x1936	CCV2	SW8260B			n-Butyl alcohol	J- / UJ to RRs/NDs	App9			12/31/07	11:25	calibration drift (%D= -32)	
x	x1904	ICAL1	SW8260B			trans-1,4-Dichloro-2-butene	J / UJ to RRs/NDs	VOC			12/30/07	11:42	low instrument response (low RRF), elevate SDL for NDs 7x (SE)	
2WSED9 MSD (1-2)	20712202003	MSD	SW8260B		S	Vinyl acetate	J- / UJ to RRs/NDs	TRG			12/31/07	17:26	low ave MS/MSD recovery (15%)	364414
SS121907-FB	20712202015	FLDBK	SW8270C		W	1,2Diphenylhydrazine/Azobenzen	U to RRs < 5 x BlankEquivConc (none)	TRG	12/21/07	23:30	12/23/07	23:57	field blank contamination (0.00054 J mg/L)	364041
2WSED9 MSD (1-2)	20712202003	MSD	SW8270C		S	Benzaldehyde	J+ to RRs (none)	TRG	12/22/07	6:30	12/23/07	18:26	high ave MS/MSD recovery (162.5%)	364041
LCSD for HBN 363956 [EXTO/1908	558801	LCSD	SW8270C		S	Benzidine	J- / UJ to RRs/NDs	TRG	12/22/07	6:30	12/23/07	17:41	low ave LCS/LCSD recovery (17.5%)	364041
2WSED9 MSD (1-2)	20712202003	MSD	SW8270C		S	Benzidine	J- / UJ to RRs/NDs	TRG	12/22/07	6:30	12/23/07	18:26	low ave MS/MSD recovery (17.5%)	364041
2WSED9 MSD (1-2)	20712202003	MSD	SW8270C		S	Benzoic acid	J- / UJ to RRs/NDs	TRG	12/22/07	6:30	12/23/07	18:26	low ave MS/MSD recovery (56%)	364041
x	c2051	ICAL1	SW8270C			n-Nitrosodimethylamine	J / UJ to RRs/NDs	SVOC			12/24/07	9:34	low instrument response (low RRF), elevate SDL for NDs 4x (SE)	
x	c2051	ICAL1	SW8270C			Pentachlorophenol	J / UJ to RRs/NDs	SVOC			12/24/07	9:34	poor calibration fit (%RSD=26)	

ATTACHMENT 1

x	c2051	ICAL1	SW8270C			Pentachlorophenol	J / UJ to RRs/NDs	SVOC			12/24/07	9:34	low instrument response (low RRF), elevate SDL for NDs 19x (SE)	
x	c2051	ICAL1	SW8270C			Pyridine	J / UJ to RRs/NDs	SVOC			12/24/07	9:34	low instrument response (low RRF), elevate SDL for NDs 5x (SE)	
SS121907-EB	20712202014	EQBK	SW9060		W	Total Organic Carbon	U to RRs < 5 x BlankEquivConc (none)	TRG			1/3/08	0:42	equipment blank contamination (1.6 mg/L)	364404

DATA VALIDATION CHECKLIST (Level III)				
Client Name: Pastor, Behling, & Wheeler	Project Number: 1352			
Property Location: Gulfco Superfund Site	Project Manager: Eric Pastor			
Laboratory: GCAL – Baton Rouge, LA	Laboratory Job No.: 207122020			
Reviewer: Taryn Scholz and Don Flory (QAA, L.L.C.)	Date Checked: 1/26/08			
ITEM	**Yes**	**No**	**NA**	**Comment Number**
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	x			
2. Date and time of sample collection included?	x			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?		x		3.
4. Field QC sample frequency met project requirements?	x			
5. Sample receipt temperature 2-6°C?	x			
6. Samples preserved appropriately?	x			
7. Samples received within 2 days of collection?	x			
8. No problems noted?	x			
Laboratory Report and Data Package				
9. Signed Case Narrative included?	x			
10. No analytical discrepancies noted in case narrative?		x		10.
11. Elevated reporting limits justified?	x			11.
12. MDLs reasonable per MDL check?	x			
13. Calibration data acceptable?		x		see Attachment 1
14. ICV and CCV recoveries within project control limits?		x		see Attachment 1
15. ICB and CCB results <RL (MQL)?		x		see Attachment 1
16. Internal standard areas within project control limits?	x			
Laboratory EDD				
17. Field sample IDs included?	x			
18. Laboratory sample IDs included?	x			
19. Date of analysis included?	x			
20. Date of sample preparation included?	x			
21. Samples prepared within holding time?	x			
22. Samples analyzed within holding time?	x			
23. Detection limit and quantitation limit included?	x			
24. Project target limits achieved?		x		24.
25. No elevated reporting limits?		x		25.
26. Method references included?	x			
27. Sample matrix included?	x			
28. Sample result units reported correctly?	x			28.
29. Soil/ sediment results corrected for dry-weight?	x			
30. Method blank results <RL (MDL)?		x		see Attachment 1
31. Equipment and Trip blank results <RL (MDL)?		x		see Attachment 1
32. All COIs included in LCS?	x			32.
33. LCS recovery within project control limits?		x		see Attachment 1
34. MS/MSD recoveries within project control limits?		x		see Attachment 1
35. LCS/LCSD RPDs within project control limits?		x		see Attachment 1
36. MS/MSD RPDs within project control limits?		x		see Attachment 1
37. Laboratory duplicate RPDs/Diffs within project control limits?	x			
38. Field duplicate RPDs/Diffs within project control limits?		x		see Attachment 1
39. Surrogate recoveries within project control limits?		x		see Attachment 1
40. Completeness percentage within project limits?	x			40.

Definitions:
CCB – Continuing Calibration Blank; **CCV** – Continuing Calibration Verification; **COI** – Compounds of Interest; **DCS** – Detectability Check Sample; **ICB** – Initial Calibration Blank; **ICV** – Initial Calibration Verification; **LCS** – Laboratory Control Sample; **LCSD** – Laboratory Control Sample Duplicate; **MDL** – Method Detection Limit; **MS/MSD** – Matrix Spike/Matrix Spike Duplicate; **RL** – Reporting Limit; **RPD** – Relative Percent Difference

168493

COMMENTS

Level IV Check - GC/MS RRF for instrument calibration also included in Level III checks after deficiencies noted in first samples – see Attachment 1 for deficiencies noted

3. For the single VOC sample (2WSED9 (1-2)), the laboratory reported one extra analyte ~~that was not requested~~ (1,2-Dichloroethene(Total)) compared to previous sediment samples and did not report one missing analyte ~~that was requested~~ (Cyclohexane) compared to previous samples. The target analyte list for previous samples was developed based on Tables B-1, B-2, B-3, and B-4 in the FSP, which apply to the four different media for the site and have slight differences in the list of analytes. For this event, the laboratory only reported the analytes listed in Table B-4, which applies for sediments. Cyclohexane is not crucial to the project and thus a re-submittal was not requested. ~~The laboratory was notified of the oversight and corrective action taken for future samples.~~ Completeness values were adjusted accordingly. For future samples, the master target analyte list included as Attachment 2 (which is consistent with all previous sampling) will be used.

10. Issues noted for all parameters. All are based on laboratory limits, which do not affect flagging for this site, except:

Pest and PCB – The final extract volume is 5-ml rather than 10-ml, but the LCS and MS spike amounts were not adjusted and thus some measured values are above the calibration range (E-flag).

11. Sample 2WSED9 (1-2) and its MS/MSD analyzed at 50x dilution for 2-chloroethylvinyl ether (i.e., as high level, methanol extract soil due to QC problems with low level).

24. Actual MDLs are above the target MDLs for the following:

	Target MDL (mg/kg)	Actual MDL (mg/kg)
Copper	0.13	0.17
Benzidine	0.067	0.252
Bis(2-Ethylhexyl)phthalate	0.022	0.038
n-Nitrosodimethylamine	0.065	0.097

Note that the MDLs have been routinely updated by the laboratory (based on new MDL studies and/or MDL check standards) since the Phase 2 sediment sampling (Dec 06). Several other Metals, SVOCs, and Pesticides have higher MDLs (>2x) than previously reported, but are all below the Target MDLs.

Actual MQLs are above the target MQLs for the following:

	Target MQL (mg/kg)	Actual MQL (mg/kg)
Boron	4	40

The 4 mg/kg MQL is project-specific (40 mg/kg is the laboratory's standard MQL). The higher MQL has minimal effect on data quality. A result of 11.7 mg/kg is reported for the single Boron sample (2WSED9 (1-2)) and is flagged as estimated due to the higher MQL. The laboratory was notified and corrective action taken (i.e., the value was updated) for future samples.

25. The single VOC sample (2WSED9 (1-2)) was analyzed as a med level soil (50x dilution) for 2-Chloroethylvinyl ether.

28. Results, SDLs, and SQLs are in mg/kg dry-weight as requested. However, the user should note that the MDLs and MQLs for organics are in ug/kg and this is not accounted for in the Prep Factor or Dilution Factor.

32. All analytes routinely spiked by the lab are included as per the QAPP. This is every TA except n-Butyl alcohol, Toxaphene, and the 5 middle Aroclors.

40. The completeness on an analyte level was low (32%) for Hexavalent Chromium for Phase 1 and 2 sediments due to a miscommunication on the analysis request for some of the early samples. This analyte has since been removed from the analytical protocol and thus its will no longer be tracked.

SET SUMMARY
Laboratory Job No.: 207122020

11	Number of Field Samples including Field Duplicates (1)
1	Number of Field MS/MSD Pairs
1	Number of Equipment Rinsate Blanks
1	Number of Field Blanks
2	Number of VOC Trip Blanks
6	Number of Parameters (VOC, SVOC, Pesticides, Aroclors, Metals, TOC)
NA	Number of Target Analytes per Sample (varies by sample)
217	Total Measurements for Field Samples
191	Number of measurements with no validation qualifier (i.e., "none" in EDD)
6	Number of measurements with UJ flag (for various analytes due to low laboratory and/or matrix spike recovery; poor calibration fit and/or negative drift)
6	Number of measurements with UJ flag and an elevated SDL (for 2-Chloroethylvinyl ether, Acrolein, N-Nitrosodimethylamine, Pentachlorophenol, Pyridine, and trans-1,4-Dichloro-2-butene due to poor instrument response, i.e., low RRF)
1	Number of measurements with J- flag (for Antimony due to low matrix spike recovery)
3	Number of measurements with J flag (due solely to result being between the SDL and SQL)
7	Number of measurements with J flag (for one Manganese result due to poor matrix spike precision and six Zinc results due to poor field duplicate precision)
0	Number of measurements with J+ flag
3	Number of measurements with U flag (due to blank contamination; analytes affected include Acetone, Mercury, and Methylene chloride)
0	Number of measurements with NS flag
0	Number of measurements with R flag
100%	Completeness-to-date on a sample level (percentage of Phase 1, 2, and 3 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 90%)
90%	Completeness-to-date on an analyte level (percentage of Phase 1, 2, and 3 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 80%) – 2-Chloroethylvinyl ether
92%	Completeness-to-date on an analyte level (percentage of Phase 1, 2, and 3 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 80%) – Antimony
88%	Completeness-to-date on an analyte level (percentage of Phase 1, 2, and 3 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 80%) – Benzidine
99%	Completeness-to-date on an analyte level (percentage of Phase 1, 2, and 3 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 80%) – Cyclohexane
100%	Completeness-to-date on an analyte level (percentage of Phase 1, 2, and 3 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 80%) – each remaining individual SE target analyte
99.5%	Completeness-to-date on an analyte level (percentage of Phase 1, 2, and 3 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 80%) – all target analytes (i.e., all data points)

Usability: All data suitable as qualified for the intended use. Data for 2-Chloroethylvinyl ether, Acrolein, N-Nitrosodimethylamine, Pentachlorophenol, Pyridine, and trans-1,4-Dichloro-2-butene are usable with an elevated reporting limit for the non-detects (as given in the Electronic Data Deliverable). Measurements qualified with a U-flag should be considered not present at the concentration reported.

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
SS-900 (0-0.5)	Zinc	J	poor field dup precision (100 RPD)
2WSED9 (1-2)	Antimony	J-	low ave MS/MSD recovery (38%)
2WSED9 (1-2)	Boron	J	result between SDL and SQL
2WSED9 (1-2)	Cadmium	J	result between SDL and SQL
2WSED9 (1-2)	Manganese	J	poor MS/MSD precision (52 RPD)
2WSED9 (1-2)	Zinc	J	poor field dup precision (100 RPD)
2WSED9 (1-2)	Mercury	U	laboratory blank contamination (0.0069 B mg/kg)
2WSED9 (1-2)	2-Chloroethylvinyl ether	UJ	low instrument response (low RRF), elevate SDL for NDs 26x (SE)
2WSED9 (1-2)	Acetone	U	trip blank contamination (0.00168 J mg/L); equipment blank contamination (0.00213 J mg/L); calibration drift (%D= 48); result between SDL and SQL
2WSED9 (1-2)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 5x (SE); low ave MS/MSD recovery (59%)
2WSED9 (1-2)	Chloroethane	UJ	calibration drift (%D= -22)
2WSED9 (1-2)	Chloroform	J	result between SDL and SQL
2WSED9 (1-2)	Methyl Acetate	UJ	low ave MS/MSD recovery (59%)
2WSED9 (1-2)	Methylene chloride	U	trip blank contamination (0.00147 J mg/L); equipment blank contamination (0.00253 J mg/L); result between SDL and SQL
2WSED9 (1-2)	n-Butyl alcohol	UJ	calibration drift (%D= -32)
2WSED9 (1-2)	trans-1,4-Dichloro-2-butene	UJ	low instrument response (low RRF), elevate SDL for NDs 7x (SE)
2WSED9 (1-2)	Vinyl acetate	UJ	low ave MS/MSD recovery (15%)
2WSED9 (1-2)	Benzidine	UJ	low ave LCS/LCSD recovery (17.5%); low ave MS/MSD recovery (17.5%)
2WSED9 (1-2)	Benzoic acid	UJ	low ave MS/MSD recovery (56%)
2WSED9 (1-2)	n-Nitrosodimethylamine	UJ	low instrument response (low RRF), elevate SDL for NDs 4x (SE)
2WSED9 (1-2)	Pentachlorophenol	UJ	low instrument response (low RRF), elevate SDL for NDs 19x (SE); poor calibration fit (%RSD=26)
2WSED9 (1-2)	Pyridine	UJ	low instrument response (low RRF), elevate SDL for NDs 5x (SE)
3WSED1 (0-0.5)	Zinc	J	poor field dup precision (100 RPD)
3WSED2 (0-0.5)	Zinc	J	poor field dup precision (100 RPD)
3WSED8 (0-0.5)	Zinc	J	poor field dup precision (100 RPD)
3WSED9 (0-0.5)	Zinc	J	poor field dup precision (100 RPD)

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type _code	Analytical _Method	Total_or_ dissolved	Matrix	Parameter	Valid_qualifier	Result_type _code	Prep_date	Prep_time	Analysis _Date	Analysis _Time	QC_comment	QC_ Batch
x	CCB5-122207-2038to2329	CCB	SW6010B			Aluminum	U to RRs <= 5 x BlankEquivConc (none)	ICP			12/22/07	23:29	calibration blank contamination (0.24 mg/L, 9.6 mg/kg)	
MB for HBN 363849 [DIGM/16785]	558098	LB	SW6010B	total	S	Aluminum	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	16:35	12/22/07	20:45	laboratory blank contamination (5.41 B mg/kg)	363975
SS121907-FB	20712202015	FLDBK	SW6010B	total	W	Aluminum	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:37	field blank contamination (0.09 B mg/L)	363975
SS121907-EB	20712202014	EQBK	SW6010B	total	W	Aluminum	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:30	equipment blank contamination (0.071 B mg/L)	363975
SS121907-FB	20712202015	FLDBK	SW6010B	total	W	Antimony	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:37	field blank contamination (0.0047 B mg/L)	363975
SS121907-EB	20712202014	EQBK	SW6010B	total	W	Antimony	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:30	equipment blank contamination (0.0036 B mg/L)	363975
SS121907-FB	20712202015	FLDBK	SW6010B	total	W	Cobalt	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:37	field blank contamination (0.00074 B mg/L)	363975
SS121907-EB	20712202014	EQBK	SW6010B	total	W	Cobalt	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:30	equipment blank contamination (0.00057 B mg/L)	363975
SS121907-FB	20712202015	FLDBK	SW6010B	total	W	Iron	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:37	field blank contamination (0.017 B mg/L)	363975
SS121907-EB	20712202014	EQBK	SW6010B	total	W	Iron	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:30	equipment blank contamination (0.092 B mg/L)	363975
SS121907-EB	20712202014	EQBK	SW6010B	total	W	Manganese	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:30	equipment blank contamination (0.0052 B mg/L)	363975
SS121907-EB	20712202014	EQBK	SW6010B	total	W	Strontium	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:30	equipment blank contamination (0.00069 B mg/L)	363975
SS121907-EB	20712202014	EQBK	SW6010B	total	W	Thallium	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:30	equipment blank contamination (0.0061 B mg/L)	363975
MB for HBN 363849 [DIGM/16785]	558098	LB	SW6010B	total	S	Tin	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	16:35	12/22/07	20:45	laboratory blank contamination (1 B mg/kg)	363975
MB for HBN 363849 [DIGM/16785]	558098	LB	SW6010B	total	S	Titanium	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	16:35	12/22/07	20:45	laboratory blank contamination (0.035 B mg/kg)	363975
MB for HBN 363849 [DIGM/16785]	558098	LB	SW6010B	total	S	Zinc	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	16:35	12/22/07	20:45	laboratory blank contamination (0.42 B mg/kg)	363975
SS121907-EB	20712202014	EQBK	SW6010B	total	W	Zinc	U to RRs < 5 x BlankEquivConc (none)	TRG	12/20/07	13:00	12/22/07	15:30	equipment blank contamination (0.0045 B mg/L)	363975
2WSED9 MSD (1-2)	20712202003	MSD	SW6010B	total	S	Aluminum	none (waived due to high parent conc)	TRG	12/20/07	16:35	12/22/07	21:14	high ave MS/MSD recovery (2340%)	363975
2WSED9 MSD (1-2)	20712202003	MSD	SW6010B	total	S	Antimony	J- / UJ to RRs/NDs	TRG	12/20/07	16:35	12/22/07	21:14	low ave MS/MSD recovery (38%)	363975

ATTACHMENT 1

2WSED9 MSD (1-2)	20712202003	MSD	SW6010B	total	S	Barium	none (waived due to high parent conc)	TRG	12/20/07	16:35	12/22/07	21:14	high ave MS/MSD recovery (168%)	363975
2WSED9 MSD (1-2)	20712202003	MSD	SW6010B	total	S	Iron	none (waived due to high parent conc)	TRG	12/20/07	16:35	12/22/07	21:14	high ave MS/MSD recovery (713%)	363975
2WSED9 MSD (1-2)	20712202003	MSD	SW6010B	total	S	Manganese	none (waived due to high parent conc)	TRG	12/20/07	16:35	12/22/07	21:14	extremely low ave MS/MSD recovery (-550%)	363975
2WSED9 MSD (1-2)	20712202003	MSD	SW6010B	total	S	Manganese	J to RRs	TRG	12/20/07	16:35	12/22/07	21:14	poor MS/MSD precision (52 RPD)	363975
2WSED9 MSD (1-2)	20712202003	MSD	SW6010B	total	S	Strontium	none (waived due to high parent conc)	TRG	12/20/07	16:35	12/22/07	21:14	low ave MS/MSD recovery (57%)	363975
2WSED9 MSD (1-2)	20712202003	MSD	SW6010B	total	S	Titanium	none (waived due to high parent conc)	TRG	12/20/07	16:35	12/22/07	21:14	high ave MS/MSD recovery (150%)	363975
SS-900 (0-0.5)	20712202010	SMP	SW6010B	total	S	Zinc	J to RRs (to all seds)	TRG	12/20/07	16:35	12/22/07	22:32	poor field dup precision (100 RPD)	363975
MB for HBN 363852 [DIGM/16787]	558104	LB	SW7471A	total	S	Mercury	U to RRs < 5 x BlankEquivConc	TRG	12/20/07	16:35	12/21/07	9:51	laboratory blank contamination (0.0069 B mg/kg)	363903
LCSD for HBN 364231 [EXTO/1912	559661	LCSD	SW8081A		S	delta-BHC	J to RRs (none)	TRG	12/30/07	18:00	12/31/07	14:37	poor LCS/LCSD precision (76 RPD)	364684
LCSD for HBN 364231 [EXTO/1912	559661	LCSD	SW8081A		S	Endosulfan sulfate	J to RRs (none)	TRG	12/30/07	18:00	12/31/07	14:37	poor LCS/LCSD precision (45 RPD)	364684
2WSED9 MSD (1-2)	20712202003	MSD	SW8081A		S	4,4'-DDT	J+ to RRs (none)	TRG	12/30/07	18:00	1/4/08	12:53	high ave MS/MSD recovery (146%)	364684
2WSED9 MSD (1-2)	20712202003	MSD	SW8081A		S	gamma-Chlordane	J+ to RRs (none)	TRG	12/30/07	18:00	1/4/08	12:53	high ave MS/MSD recovery (148%)	364684
3WSED2 (0-0.5)	20712202008	SMP	SW8081A		S	Decachlorobiphenyl	J+ to RRs (none)	SUR	12/30/07	18:00	1/4/08	16:49	high SU recovery (167%)	364684
3WSED2 (0-0.5)	20712202008	SMP	SW8081A		S	Tetrachloro-m-xylene	J+ to RRs (none)	SUR	12/30/07	18:00	1/4/08	16:49	high SU recovery (161%)	364684
SS-900 (0-0.5)	20712202010	SMP	SW8081A		S	Decachlorobiphenyl	J+ to RRs (none)	SUR	12/30/07	18:00	1/4/08	17:45	high SU recovery (141%)	364684
SS-900 (0-0.5)	20712202010	SMP	SW8081A		S	Tetrachloro-m-xylene	J+ to RRs (none)	SUR	12/30/07	18:00	1/4/08	17:45	high SU recovery (145%)	364684
x	x1935	CCV1	SW8260B			2,2-Dichloropropane	J+ to RRs (none)	VOC			12/31/07	10:47	calibration drift (%D= 23)	
x	c9271	ICAL1	SW8260B			2-Chloroethyl vinyl ether	J / UJ to RRs/NDs	VOC			12/28/07	19:48	low instrument response (low RRF), elevate SDL for NDs 26x (SE)	
TB-2	20712202016	TRIPBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			12/30/07	13:22	trip blank contamination (0.00168 J mg/L)	364394
SS121907-EB	20712202014	EQBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			12/30/07	12:36	equipment blank contamination (0.00213 J mg/L)	364394

ATTACHMENT 1

x	x1935	CCV1	SW8260B			Acetone	J+ to RRs	VOC			12/31/07	10:47	calibration drift (%D= 48)	
x	x1904	ICAL1	SW8260B			Acrolein	J / UJ to RRs/NDs	VOC			12/30/07	11:42	low instrument response (low RRF), elevate SDL for NDs 5x (SE)	
2WSED9 MSD (1-2)	20712202003	MSD	SW8260B		S	Acrolein	J- / UJ to RRs/NDs	TRG			12/31/07	17:26	low ave MS/MSD recovery (59%)	364414
x	x1935	CCV1	SW8260B			Chloroethane	J- / UJ to RRs/NDs	VOC			12/31/07	10:47	calibration drift (%D= -22)	
2WSED9 MSD (1-2)	20712202003	MSD	SW8260B		S	Methyl Acetate	J- / UJ to RRs/NDs	TRG			12/31/07	17:26	low ave MS/MSD recovery (59%)	364414
x	x1935	CCV1	SW8260B			Methyl iodide	J+ to RRs (none)	VOC			12/31/07	10:47	calibration drift (%D= 26)	
LCSD for HBN 364414 [MSV/12197	560455	LCSD	SW8260B		S	Methyl iodide	J+ to RRs (none)	TRG			12/31/07	12:11	high ave LCS/LCSD recovery (166%)	364414
2WSED9 MSD (1-2)	20712202003	MSD	SW8260B		S	Methyl iodide	J+ to RRs (none)	TRG			12/31/07	17:26	high ave MS/MSD recovery (146%)	364414
TB-2	20712202016	TRIPBK	SW8260B		W	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			12/30/07	13:22	trip blank contamination (0.00147 J mg/L)	364394
SS121907-EB	20712202014	EQBK	SW8260B		W	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			12/30/07	12:36	equipment blank contamination (0.00253 J mg/L)	364394
x	x1936	CCV2	SW8260B			n-Butyl alcohol	J- / UJ to RRs/NDs	App9			12/31/07	11:25	calibration drift (%D= -32)	
x	x1904	ICAL1	SW8260B			trans-1,4-Dichloro-2-butene	J / UJ to RRs/NDs	VOC			12/30/07	11:42	low instrument response (low RRF), elevate SDL for NDs 7x (SE)	
2WSED9 MSD (1-2)	20712202003	MSD	SW8260B		S	Vinyl acetate	J- / UJ to RRs/NDs	TRG			12/31/07	17:26	low ave MS/MSD recovery (15%)	364414
SS121907-FB	20712202015	FLDBK	SW8270C		W	1,2Diphenylhydrazine/Azobenzen	U to RRs < 5 x BlankEquivConc (none)	TRG	12/21/07	23:30	12/23/07	23:57	field blank contamination (0.00054 J mg/L)	364041
2WSED9 MSD (1-2)	20712202003	MSD	SW8270C		S	Benzaldehyde	J+ to RRs (none)	TRG	12/22/07	6:30	12/23/07	18:26	high ave MS/MSD recovery (162.5%)	364041
LCSD for HBN 363956 [EXTO/1908	558801	LCSD	SW8270C		S	Benzidine	J- / UJ to RRs/NDs	TRG	12/22/07	6:30	12/23/07	17:41	low ave LCS/LCSD recovery (17.5%)	364041
2WSED9 MSD (1-2)	20712202003	MSD	SW8270C		S	Benzidine	J- / UJ to RRs/NDs	TRG	12/22/07	6:30	12/23/07	18:26	low ave MS/MSD recovery (17.5%)	364041
2WSED9 MSD (1-2)	20712202003	MSD	SW8270C		S	Benzoic acid	J- / UJ to RRs/NDs	TRG	12/22/07	6:30	12/23/07	18:26	low ave MS/MSD recovery (56%)	364041
x	c2051	ICAL1	SW8270C			n-Nitrosodimethylamine	J / UJ to RRs/NDs	SVOC			12/24/07	9:34	low instrument response (low RRF), elevate SDL for NDs 4x (SE)	
x	c2051	ICAL1	SW8270C			Pentachlorophenol	J / UJ to RRs/NDs	SVOC			12/24/07	9:34	poor calibration fit (%RSD=26)	

ATTACHMENT 1

x	c2051	ICAL1	SW8270C			Pentachlorophenol	J / UJ to RRs/NDs	SVOC			12/24/07	9:34	low instrument response (low RRF), elevate SDL for NDs 19x (SE)	
x	c2051	ICAL1	SW8270C			Pyridine	J / UJ to RRs/NDs	SVOC			12/24/07	9:34	low instrument response (low RRF), elevate SDL for NDs 5x (SE)	
SS121907-EB	20712202014	EQBK	SW9060		W	Total Organic Carbon	U to RRs < 5 x BlankEquivConc (none)	TRG			1/3/08	0:42	equipment blank contamination (1.6 mg/L)	364404

ATTACHMENT 2
GULFCO TARGET ANALYTE LIST ~~1~~

METALS	PESTICIDES	VOCs			SVOCs	
Aluminum	4,4'-DDD	1,1,1,2-Tetrachloroethane	4-Isopropyltoluene	m,p-Xylene	1,2Diphenylhydrazine/Azobenzen	Benzoic acid
Antimony	4,4'-DDE	1,1,1-Trichloroethane	4-Methyl-2-pentanone	Methyl Acetate	2,4,5-Trichlorophenol	Benzyl alcohol
Arsenic	4,4'-DDT	1,1,2,2-Tetrachloroethane	Acetone	Methyl iodide	2,4,6-Trichlorophenol	Biphenyl
Barium	Aldrin	1,1,2-Trichloroethane	Acrolein	Methylcyclohexane	2,4-Dichlorophenol	Bis(2-Chloroethoxy)methane
Beryllium	alpha-BHC	1,1-Dichloroethane	Acrylonitrile	Methylene chloride	2,4-Dimethylphenol	Bis(2-Chloroethyl)ether
Boron	alpha-Chlordane	1,1-Dichloroethene	Benzene	Naphthalene	2,4-Dinitrophenol	Bis(2-Chloroisopropyl)ether
Cadmium	beta-BHC	1,1-Dichloropropene	Bromobenzene	n-Butyl alcohol	2,4-Dinitrotoluene	Bis(2-Ethylhexyl)phthalate
Chromium	delta-BHC	1,2,3-Trichloropropane	Bromodichloromethane	n-Butylbenzene	2,6-Dinitrotoluene	Butyl benzyl phthalate
Chromium (VI)	Dieldrin	1,2,4-Trichlorobenzene	Bromoform	n-Propylbenzene	2-Chloronaphthalene	Caprolactam
Cobalt	Endosulfan I	1,2,4-Trimethylbenzene	Bromomethane	o-Xylene	2-Chlorophenol	Carbazole
Copper	Endosulfan II	1,2-Dibromo-3-chloropropane	Carbon disulfide	sec-Butylbenzene	2-Methylnaphthalene	Chrysene
Iron	Endosulfan sulfate	1,2-Dibromoethane	Carbon tetrachloride	Styrene	2-Nitroaniline	Dibenz(a,h)anthracene
Lead	Endrin	1,2-Dichlorobenzene	Chlorobenzene	tert-Butyl methyl ether (MTBE)	2-Nitrophenol	Dibenzofuran
Lithium	Endrin aldehyde	1,2-Dichloroethane	Chloroethane	tert-Butylbenzene	3,3'-Dichlorobenzidine	Diethyl phthalate
Manganese	Endrin ketone	1,2-Dichloropropane	Chloroform	Tetrachloroethene	3-Nitroaniline	Dimethyl phthalate
Mercury	gamma-BHC (Lindane)	1,3,5-Trimethylbenzene	Chloromethane	Toluene	4,6-Dinitro-2-methylphenol	Di-n-butyl phthalate
Molybdenum	gamma-Chlordane	1,3-Dichlorobenzene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	4-Bromophenyl phenyl ether	Di-n-octyl phthalate
Nickel	Heptachlor	1,3-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	4-Chloro-3-methylphenol	Fluoranthene
Selenium	Heptachlor epoxide	1,4-Dichlorobenzene	Cyclohexane	trans-1,4-Dichloro-2-butene	4-Chloroaniline	Fluorene
Silver	Methoxychlor	2,2-Dichloropropane	Dibromochloromethane	Trichloroethene	4-Chlorophenyl phenyl ether	Hexachlorobenzene
Strontium	Toxaphene	2-Butanone	Dibromomethane	Trichlorofluoromethane	4-Nitroaniline	Hexachlorocyclopentadiene
Thallium		2-Chloroethylvinyl ether	Dichlorodifluoromethane	Trichlorotrifluoroethane	4-Nitrophenol	Hexachloroethane
Tin	**PCBs**	2-Chlorotoluene	Ethylbenzene	Vinyl acetate	Acenaphthene	Indeno(1,2,3-cd)pyrene
Titanium	Aroclor-1016	2-Hexanone	Hexachlorobutadiene	Vinyl chloride	Acenaphthylene	Isophorone
Vanadium	Aroclor-1221	4-Chlorotoluene	Isopropylbenzene (Cumene)	Xylene (total)	Acetophenone	m,p-Cresol
Zinc	Aroclor-1232				Aniline	Nitrobenzene
	Aroclor-1242				Anthracene	n-Nitrosodimethylamine
	Aroclor-1248				Atrazine (Aatrex)	n-Nitrosodi-n-propylamine
	Aroclor-1254				Benzaldehyde	n-Nitrosodiphenylamine
	Aroclor-1260				Benzidine	o-Cresol
					Benzo(a)anthracene	Pentachlorophenol
					Benzo(a)pyrene	Phenanthrene
					Benzo(b)fluoranthene	Phenol
					Benzo(g,h,i)perylene	Pyrene
					Benzo(k)fluoranthene	Pyridine

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 01/08/2008

GCAL Report 207122020

Deliver To	QAA, L.L.C. 1007 Francis Dr College Station, TX 77840 979-694-7199
Attn	Taryn Scholz

Customer Pastor, Behling, & Wheeler

Project Gulfco Marine Maintenance Site

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 207122020

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the SW-846 8260B analysis, samples 20712202001 (2WSED9 (1-2)), 20712202002 (2WSED9 MS (1-2)), and 20712202003 (2WSED9 MSD (1-2)), had to be analyzed at a 50 (methanol extract) dilution for 2-Chloroethylvinyl ether.

In the SW-846 8260B analysis for analytical batch 364414, the MS/MSD exhibited recovery and RPD failures. The LCS/LCSD recoveries were above the upper control limit for Methyl iodide.

In the SW-846 8260B analysis, the recoveries for Bromomethane, Vinyl acetate, and trans-1,4-Dichloro-2-butene were above the upper control limits in the ICV (MSV0, 12/30/07).

In the SW-846 8260B analysis, the %D/%Drift was outside ±20% for Chloroethane, Methyl iodide, Acetone, 2,2-Dichloropropane, and n-Butyl alcohol in the CCV (MSV0, 12/31/07).

In the SW-846 8260B analysis, the recoveries for Cyclohexane, Methyl cyclohexane, 2-Chloroethylvinyl ether, 2-Hexanone, Bromoform, and 1,4-Dichloro-2-butene were above the upper control limits in the ICV (MSSV9, 12/29/07).

In the SW-846 8260B analysis, the %D/%Drift was outside ±20% for 1,1,2,2-Tetrachloroethane, 1,3,5-Trimethylbenzene, and tert-Butylbenzene in the CCV (MSV9,

SEMI-VOLATILES MASS SPECTROMETRY

In the SW-846 8270C analysis, sample 20712202015 (SS121907-FB) had one surrogate recovery outside control limits in the base-neutral fraction. All other surrogate recoveries were acceptable for this sample.

In the SW-846 8270C analysis for prep batch 363895, no MS/MSD was performed due to insufficient sample volume. The LCS and/or LCSD recoveries were above the upper control limits for Benzaldehyde, Benzo(g,h,i)perylene, Benzoic Acid, Indeno(1,2,3-cd)pyrene, n-Nitrosodimethylamine, Caprolactam, Phenol, and 4-Nitrophenol. The LCS/LCSD RPD was above the control limit for Benzaldehyde. These compounds were

168503

not detected in the associated samples. The MB, LCS, and LCSD had one surrogate recovery outside control limits in the acid fraction.

In the SW-846 8270C analysis for prep batch 363956, the MS/MSD exhibited sporadic recovery and RPD failures. The LCS and/or LCSD recoveries were above the upper control limits for n-Nitrosodimethylamine, Benzo(b)fluoranthene and Carbazole were recovered outside of the established control limits for the LCS and/or LCSD. The LCS/LCSD RPD was above the control limit for n-Nitrosodimethylamine.

In the SW-846 8270C analysis, the recovery for Benzaldehyde was above the upper control limit in the ICV (MSSV4, 12/23/07). This compound was not detected in the associated compounds and is a poor performing compound.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the SW-846 8081A (Pesticides) analysis, the recoveries for the surrogates were above the upper control limits for sample 20712202008 (3WSED2 (0-0.5)). No target compounds were detected in the sample.

In the SW-846 8081A (Pesticides) analysis for prep batch 364231, the MS/MSD exhibited recovery failures. All LCS/LCSD recoveries were acceptable. The LCS/LCSD RPDs were above the control limits for Endosulfan sulfate and delta-BHC.

In the SW-846 8081A (Pesticides) analysis, the recovery for Methoxychlor was above the upper control limit in the ICV (GCSV18A, 12/13/07; GCSV18B, 12/13/07). This compound was not detected in the associated samples.

In the SW-846 8081A (Pesticides) analysis, the %D was greater than 15% for alpha-BHC in the CCV (GCSV18A, 12/31/07 09:29). The average for all compounds was <15%.

In the SW-846 8081A (Pesticides) analysis, the %D was greater than 15% for alpha-BHC and 4,4'-DDT in the CCV (GCSV18A, 12/31/07 16:06). The average for all compounds was <15%.

In the SW-846 8081A (Pesticides) and 8082 (PCBs) analysis, the final extract volume is 5 mL rather than 10 mL. This causes the LCS/LCSD and MS/MSD concentrations to be more concentrated. The concentrations for some compounds are slightly above the upper calibration range of the instrument. These compounds are flagged "E", on the form 1s.

In the SW-846 8082 (PCBs) analysis, the recovery for Aroclor 1260 was outside the control limits in the ICV (GCSV18B, 12/13/07).

METALS

In the SW-846 6010B analysis for prep batch 363849, the MS and/or MSD recoveries were outside the control limits for Antimony, Barium, Strontium, Tin, and Titanium. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference or the element is non-homogeneous in the sample matrix. A post-digestion spike was performed on the QC sample for this batch with recoveries of 117% for Antimony, 86% for Barium, 64% for Strontium, 93% for Tin and 119% for Titanium. The MS/MSD recoveries and RPDs and post-digestion spike recoveries are not applicable for Aluminum, Iron, and Manganese because the sample concentration is greater than four times the spike concentration. Chromium, Cobalt, Lithium, Manganese, Nickel, and Titanium are flagged as estimated on the serial dilution form due to the fact that the percent difference between the original sample result and the serial dilution result for the batch QC sample is greater than 10. A chemical or physical interference is suspected.

In the SW-846 6010B analysis for prep batch 363850, the Sample/Duplicate RPDs for Antimony, Boron, and Chromium are not applicable because the sample and/or duplicate concentration is less than five times the reporting limit. Aluminum and Titanium are flagged as estimated on the serial dilution form due to the fact that the percent difference between the original sample result and the serial dilution result for the batch QC sample is greater than 10. A chemical or physical interference is suspected.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
B	(INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 207122020

THIS REPORT CONTAINS 1,523 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20712202001	2WSED9 (1-2)	Solid	12/19/2007 12:00	12/20/2007 10:11
20712202002	2WSED9 MS (1-2)	Solid	12/19/2007 12:00	12/20/2007 10:11
20712202003	2WSED9 MSD (1-2)	Solid	12/19/2007 12:00	12/20/2007 10:11
20712202004	3WSED6 (0-0.5)	Solid	12/19/2007 13:15	12/20/2007 10:11
20712202005	3WSED5 (0-0.5)	Solid	12/19/2007 13:30	12/20/2007 10:11
20712202006	3WSED4 (0-0.5)	Solid	12/19/2007 13:40	12/20/2007 10:11
20712202007	3WSED3 (0-0.5)	Solid	12/19/2007 13:50	12/20/2007 10:11
20712202008	3WSED2 (0-0.5)	Solid	12/19/2007 13:55	12/20/2007 10:11
20712202009	3WSED1 (0-0.5)	Solid	12/19/2007 15:10	12/20/2007 10:11
20712202010	SS-900 (0-0.5)	Solid	12/19/2007 00:00	12/20/2007 10:11
20712202011	3WSED7 (0-0.5)	Solid	12/19/2007 14:40	12/20/2007 10:11
20712202012	3WSED8 (0-0.5)	Solid	12/19/2007 14:30	12/20/2007 10:11
20712202013	3WSED9 (0-0.5)	Solid	12/19/2007 14:25	12/20/2007 10:11
20712202014	SS121907-EB	Water	12/19/2007 15:30	12/20/2007 10:11
20712202015	SS121907-FB	Water	12/19/2007 15:40	12/20/2007 10:11
20712202016	TB-2	Water	12/19/2007 00:00	12/20/2007 10:11
20712202017	TB-3	Water	12/19/2007 00:00	12/20/2007 10:11

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Method: SW-846 8260

	SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	TOT OUT
1.	SS121907-EB	95		94		112		95		0
2.	SS121907-FB	93		94		111		93		0
3.	TB-2	90		93		110		95		0
4.	TB-3	92		94		114		95		0
5.	LCSD560389	98		94		101		92		0
6.	LCS560388	96		97		101		94		0
7.	MB560387	93		93		110		95		0

		QC LIMITS
SMC 1	4-Bromofluorobenzene	78 - 130
SMC 2	Dibromofluoromethane	77 - 127
SMC 3	Toluene-d8	76 - 134
SMC 4	1,2-Dichloroethane-d4	71 - 127

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Method: SW-846 8260

	SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	TOT OUT
1.	2WSED9 (1-2)	106		124		118		117		0
2.	2WSED9 (1-2)	93		88		113		87		0
3.	2WSED9 MS (1-2)	107		126		116		122		0
4.	2WSED9 MS (1-2)	103		92		112		89		0
5.	2WSED9 MSD (1-2)	105		126		119		117		0
6.	2WSED9 MSD (1-2)	102		92		114		87		0
7.	LCSD560455	105		119		116		119		0
8.	LCSD560660	100		94		109		89		0
9.	LCS560451	105		119		117		117		0
10.	LCS560659	102		94		112		91		0
11.	MB560450	107		117		118		122		0
12.	MB560658	95		91		115		89		0

		QC LIMITS
SMC 1	4-Bromofluorobenzene	62 - 127
SMC 2	Dibromofluoromethane	65 - 130
SMC 3	Toluene-d8	71 - 132
SMC 4	1,2-Dichloroethane-d4	62 - 125

Column to be used to flag recovery values

* Values outside of contract required QC limits

3A

WATER VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix Spike - EPA Sample No: 129612

Analytical Batch: 364394

SAMPLE NO. : 560397

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*#*	*QC. LIMITS*
1,2-Dichloroethane	mg/L	1	0	.91	91		75 - 122
Benzene	mg/L	1	.122	1.06	94		80 - 120
Ethylbenzene	mg/L	1	.686	1.84	115		80 - 125
Naphthalene	mg/L	1	.439	1.5	106		67 - 149
Toluene	mg/L	1	.895	1.92	103		80 - 124
Xylene (total)	mg/L	3	2.43	5.57	105		80 - 129
tert-Butyl methyl ether (MTBE)	mg/L	1	0	.944	94		72 - 127

SAMPLE NO. : 560398

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	*#*	*% RPD*	*#*	*QC. LIMITS REC*	*QC. LIMITS RPD*
1,2-Dichloroethane	mg/L	1	.862	86		5		75 - 122	0 - 30
Benzene	mg/L	1	1.02	90		4		80 - 120	0 - 30
Ethylbenzene	mg/L	1	1.73	104		6		80 - 125	0 - 30
Naphthalene	mg/L	1	1.52	108		1		67 - 149	0 - 30
Toluene	mg/L	1	1.8	91		6		80 - 124	0 - 30
Xylene (total)	mg/L	3	5.22	93		6		80 - 129	0 - 30
tert-Butyl methyl ether (MTBE)	mg/L	1	.917	92		3		72 - 127	0 - 30

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 7 outside limits

Spike Recovery: 0 out of 14 outside limits

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Analytical Batch: 364394

SAMPLE NO. : 560388

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	#	*QC. LIMITS*
1,1,1,2-Tetrachloroethane	mg/L	.025	0	.027	106		80 - 125
1,1,1-Trichloroethane	mg/L	.025	0	.024	96		76 - 122
1,1,2,2-Tetrachloroethane	mg/L	.025	0	.032	130		71 - 143
1,1,2-Trichloroethane	mg/L	.025	0	.025	98		77 - 130
1,1-Dichloroethane	mg/L	.025	0	.023	91		77 - 121
1,1-Dichloroethene	mg/L	.025	0	.025	98		76 - 127
1,1-Dichloropropene	mg/L	.025	0	.024	95		79 - 121
1,2,3-Trichloropropane	mg/L	.025	0	.028	110		72 - 141
1,2,4-Trichlorobenzene	mg/L	.025	0	.031	123		76 - 137
1,2,4-Trimethylbenzene	mg/L	.025	0	.03	121		80 - 133
1,2-Dibromo-3-chloropropane	mg/L	.025	0	.025	99		63 - 138
1,2-Dibromoethane	mg/L	.025	0	.025	101		79 - 131
1,2-Dichlorobenzene	mg/L	.025	0	.028	113		80 - 125
1,2-Dichloroethane	mg/L	.025	0	.024	96		75 - 122
1,2-Dichloroethene	mg/L	.05	0	.049	98		77 - 126
1,2-Dichloropropane	mg/L	.025	0	.024	96		78 - 121
1,3,5-Trimethylbenzene	mg/L	.025	0	.032	129		80 - 131
1,3-Dichlorobenzene	mg/L	.025	0	.028	110		80 - 127
1,3-Dichloropropane	mg/L	.025	0	.025	100		80 - 128
1,4-Dichlorobenzene	mg/L	.025	0	.025	102		80 - 127
2,2-Dichloropropane	mg/L	.025	0	.025	98		69 - 130
2-Butanone	mg/L	.025	0	.025	99		51 - 157
2-Chloroethylvinyl ether	mg/L	.025	0	.02	80		48 - 143
2-Chlorotoluene	mg/L	.025	0	.03	118		80 - 132
2-Hexanone	mg/L	.025	0	.027	106		54 - 155
4-Chlorotoluene	mg/L	.025	0	.029	115		80 - 131
4-Isopropyltoluene	mg/L	.025	0	.029	115		80 - 133
4-Methyl-2-pentanone	mg/L	.025	0	.022	89		57 - 138
Acetone	mg/L	.025	0	.028	112		38 - 157
Acrolein	mg/L	.125	0	.136	109		30 - 175
Acrylonitrile	mg/L	.125	0	.128	102		61 - 139
Benzene	mg/L	.025	0	.024	95		80 - 120
Bromobenzene	mg/L	.025	0	.03	120		78 - 134
Bromodichloromethane	mg/L	.025	0	.024	97		77 - 120
Bromoform	mg/L	.025	0	.026	105		73 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 75 outside limits

Spike Recovery: 0 out of 150 outside limits

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Analytical Batch: 364394

Bromomethane	mg/L	.025	0	.029	115		34 - 172
Carbon disulfide	mg/L	.025	0	.028	112		71 - 129
Carbon tetrachloride	mg/L	.025	0	.024	98		73 - 125
Chlorobenzene	mg/L	.025	0	.024	96		80 - 125
Chloroethane	mg/L	.025	0	.028	110		61 - 139
Chloroform	mg/L	.025	0	.022	88		75 - 120
Chloromethane	mg/L	.025	0	.025	100		63 - 133
Cyclohexane	mg/L	.025	0	.027	108		71 - 127
Dibromochloromethane	mg/L	.025	0	.027	106		78 - 130
Dibromomethane	mg/L	.025	0	.025	98		77 - 120
Dichlorodifluoromethane	mg/L	.025	0	.024	96		61 - 140
Ethylbenzene	mg/L	.025	0	.026	105		80 - 125
Hexachlorobutadiene	mg/L	.025	0	.031	124		79 - 133
Isopropylbenzene (Cumene)	mg/L	.025	0	.025	101		80 - 127
Methyl Acetate	mg/L	.025	0	.025	101		55 - 134
Methyl iodide	mg/L	.025	0	.026	102		43 - 157
Methylcyclohexane	mg/L	.025	0	.029	114		77 - 123
Methylene chloride	mg/L	.025	0	.025	100		61 - 133
Naphthalene	mg/L	.025	0	.029	116		67 - 149
Styrene	mg/L	.025	0	.022	87		80 - 129
Tetrachloroethene	mg/L	.025	0	.025	100		77 - 129
Toluene	mg/L	.025	0	.026	102		80 - 124
Trichloroethene	mg/L	.025	0	.024	97		79 - 121
Trichlorofluoromethane	mg/L	.025	0	.022	87		62 - 140
Trichlorotrifluoroethane	mg/L	.025	0	.025	98		72 - 130
Vinyl acetate	mg/L	.025	0	.028	113		66 - 145
Vinyl chloride	mg/L	.025	0	.024	97		69 - 130
Xylene (total)	mg/L	.075	0	.071	94		80 - 129
cis-1,2-Dichloroethene	mg/L	.025	0	.025	100		78 - 124
cis-1,3-Dichloropropene	mg/L	.025	0	.026	104		76 - 121
m,p-Xylene	mg/L	.05	0	.046	93		80 - 129
n-Butylbenzene	mg/L	.025	0	.031	124		80 - 133
n-Propylbenzene	mg/L	.025	0	.029	114		80 - 132
o-Xylene	mg/L	.025	0	.024	97		80 - 131
sec-Butylbenzene	mg/L	.025	0	.03	120		80 - 132
tert-Butyl methyl ether (MTBE)	mg/L	.025	0	.024	96		72 - 127
tert-Butylbenzene	mg/L	.025	0	.031	124		80 - 129
trans-1,2-Dichloroethene	mg/L	.025	0	.024	95		73 - 128
trans-1,3-Dichloropropene	mg/L	.025	0	.026	104		75 - 128

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 75 outside limits

Spike Recovery: 0 out of 150 outside limits

FORM III VOA-1

168512

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Analytical Batch: 364394

trans-1,4-Dichloro-2-butene	mg/L	.025	0	.026	106		64 - 148

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 75 outside limits

Spike Recovery: 0 out of 150 outside limits

FORM III VOA-1

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Analytical Batch: 364394

SAMPLE NO. : 560389

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	#	*% RPD*	#	*QC. LIMITS REC*	*RPD*
1,1,1,2-Tetrachloroethane	mg/L	.025	.026	104		4		80 - 125	0 - 30
1,1,1-Trichloroethane	mg/L	.025	.025	100		4		76 - 122	0 - 30
1,1,2,2-Tetrachloroethane	mg/L	.025	.029	118		10		71 - 143	0 - 30
1,1,2-Trichloroethane	mg/L	.025	.024	97		4		77 - 130	0 - 30
1,1-Dichloroethane	mg/L	.025	.023	90		0		77 - 121	0 - 30
1,1-Dichloroethene	mg/L	.025	.024	97		4		76 - 127	0 - 14
1,1-Dichloropropene	mg/L	.025	.024	96		0		79 - 121	0 - 30
1,2,3-Trichloropropane	mg/L	.025	.025	102		11		72 - 141	0 - 30
1,2,4-Trichlorobenzene	mg/L	.025	.029	117		7		76 - 137	0 - 30
1,2,4-Trimethylbenzene	mg/L	.025	.028	113		7		80 - 133	0 - 30
1,2-Dibromo-3-chloropropane	mg/L	.025	.024	95		4		63 - 138	0 - 30
1,2-Dibromoethane	mg/L	.025	.025	101		0		79 - 131	0 - 30
1,2-Dichlorobenzene	mg/L	.025	.027	108		4		80 - 125	0 - 30
1,2-Dichloroethane	mg/L	.025	.023	92		4		75 - 122	0 - 30
1,2-Dichloroethene	mg/L	.05	.049	99		0		77 - 126	0 - 30
1,2-Dichloropropane	mg/L	.025	.024	94		0		78 - 121	0 - 30
1,3,5-Trimethylbenzene	mg/L	.025	.03	119		6		80 - 131	0 - 30
1,3-Dichlorobenzene	mg/L	.025	.026	104		7		80 - 127	0 - 30
1,3-Dichloropropane	mg/L	.025	.025	99		0		80 - 128	0 - 30
1,4-Dichlorobenzene	mg/L	.025	.024	97		4		80 - 127	0 - 30
2,2-Dichloropropane	mg/L	.025	.025	100		0		69 - 130	0 - 30
2-Butanone	mg/L	.025	.024	97		4		51 - 157	0 - 30
2-Chloroethylvinyl ether	mg/L	.025	.02	81		0		48 - 143	0 - 30
2-Chlorotoluene	mg/L	.025	.028	111		7		80 - 132	0 - 30
2-Hexanone	mg/L	.025	.026	104		4		54 - 155	0 - 30
4-Chlorotoluene	mg/L	.025	.028	110		4		80 - 131	0 - 30
4-Isopropyltoluene	mg/L	.025	.027	107		7		80 - 133	0 - 30
4-Methyl-2-pentanone	mg/L	.025	.021	84		5		57 - 138	0 - 30
Acetone	mg/L	.025	.025	99		11		38 - 157	0 - 30
Acrolein	mg/L	.125	.124	99		9		30 - 175	0 - 30
Acrylonitrile	mg/L	.125	.116	93		10		61 - 139	0 - 30
Benzene	mg/L	.025	.024	94		0		80 - 120	0 - 11
Bromobenzene	mg/L	.025	.029	114		3		78 - 134	0 - 30
Bromodichloromethane	mg/L	.025	.024	97		0		77 - 120	0 - 30
Bromoform	mg/L	.025	.026	102		0		73 - 130	0 - 30

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 75 outside limits

Spike Recovery: 0 out of 150 outside limits

FORM III VOA-1

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Analytical Batch: 364394

Bromomethane	mg/L	.025	.027	109		7		34 - 172	0 - 30
Carbon disulfide	mg/L	.025	.026	104		7		71 - 129	0 - 30
Carbon tetrachloride	mg/L	.025	.025	98		4		73 - 125	0 - 30
Chlorobenzene	mg/L	.025	.024	97		0		80 - 125	0 - 13
Chloroethane	mg/L	.025	.026	105		7		61 - 139	0 - 30
Chloroform	mg/L	.025	.022	87		0		75 - 120	0 - 30
Chloromethane	mg/L	.025	.025	101		0		63 - 133	0 - 30
Cyclohexane	mg/L	.025	.026	105		4		71 - 127	0 - 30
Dibromochloromethane	mg/L	.025	.026	104		4		78 - 130	0 - 30
Dibromomethane	mg/L	.025	.023	92		8		77 - 120	0 - 30
Dichlorodifluoromethane	mg/L	.025	.024	95		0		61 - 140	0 - 30
Ethylbenzene	mg/L	.025	.026	105		0		80 - 125	0 - 30
Hexachlorobutadiene	mg/L	.025	.027	106		14		79 - 133	0 - 30
Isopropylbenzene (Cumene)	mg/L	.025	.025	99		0		80 - 127	0 - 30
Methyl Acetate	mg/L	.025	.022	90		13		55 - 134	0 - 30
Methyl iodide	mg/L	.025	.026	104		0		43 - 157	0 - 30
Methylcyclohexane	mg/L	.025	.026	106		11		77 - 123	0 - 30
Methylene chloride	mg/L	.025	.024	96		4		61 - 133	0 - 30
Naphthalene	mg/L	.025	.027	109		7		67 - 149	0 - 30
Styrene	mg/L	.025	.022	86		0		80 - 129	0 - 30
Tetrachloroethene	mg/L	.025	.025	102		0		77 - 129	0 - 30
Toluene	mg/L	.025	.025	102		4		80 - 124	0 - 13
Trichloroethene	mg/L	.025	.025	98		4		79 - 121	0 - 14
Trichlorofluoromethane	mg/L	.025	.022	87		0		62 - 140	0 - 30
Trichlorotrifluoroethane	mg/L	.025	.024	96		4		72 - 130	0 - 30
Vinyl acetate	mg/L	.025	.025	101		11		66 - 145	0 - 30
Vinyl chloride	mg/L	.025	.025	99		4		69 - 130	0 - 30
Xylene (total)	mg/L	.075	.071	94		0		80 - 129	0 - 30
cis-1,2-Dichloroethene	mg/L	.025	.026	102		4		78 - 124	0 - 30
cis-1,3-Dichloropropene	mg/L	.025	.027	107		4		76 - 121	0 - 30
m,p-Xylene	mg/L	.05	.046	92		0		80 - 129	0 - 30
n-Butylbenzene	mg/L	.025	.03	119		3		80 - 133	0 - 30
n-Propylbenzene	mg/L	.025	.027	108		7		80 - 132	0 - 30
o-Xylene	mg/L	.025	.024	97		0		80 - 131	0 - 30
sec-Butylbenzene	mg/L	.025	.027	110		11		80 - 132	0 - 30
tert-Butyl methyl ether (MTBE)	mg/L	.025	.023	92		4		72 - 127	0 - 30
tert-Butylbenzene	mg/L	.025	.028	113		10		80 - 129	0 - 30
trans-1,2-Dichloroethene	mg/L	.025	.024	95		0		73 - 128	0 - 30
trans-1,3-Dichloropropene	mg/L	.025	.026	103		0		75 - 128	0 - 30

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 75 outside limits

Spike Recovery: 0 out of 150 outside limits

FORM III VOA-1

168515

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Analytical Batch: 364394

trans-1,4-Dichloro-2-butene	mg/L	.025	.023	93		12		64 - 148	0 - 30

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 75 outside limits

Spike Recovery: 0 out of 150 outside limits

FORM III VOA-1

168516

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED9 (1-2)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8260

Analytical Batch: 364414

SAMPLE NO : 20712202002

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	#	*QC. LIMITS*
1,1,1,2-Tetrachloroethane	mg/kg	.03	0	.03	100		80 - 120
1,1,1-Trichloroethane	mg/kg	.03	0	.033	107		74 - 125
1,1,2,2-Tetrachloroethane	mg/kg	.03	0	.034	114		75 - 134
1,1,2-Trichloroethane	mg/kg	.03	0	.03	99		80 - 121
1,1-Dichloroethane	mg/kg	.03	0	.033	106		73 - 131
1,1-Dichloroethene	mg/kg	.03	0	.03	102		73 - 134
1,1-Dichloropropene	mg/kg	.03	0	.032	102		79 - 124
1,2,3-Trichloropropane	mg/kg	.03	0	.029	95		76 - 135
1,2,4-Trichlorobenzene	mg/kg	.03	0	.028	92		79 - 129
1,2,4-Trimethylbenzene	mg/kg	.03	0	.029	97		80 - 122
1,2-Dibromo-3-chloropropane	mg/kg	.03	0	.029	96		60 - 146
1,2-Dibromoethane	mg/kg	.03	0	.03	98		79 - 123
1,2-Dichlorobenzene	mg/kg	.03	0	.029	96		80 - 120
1,2-Dichloroethane	mg/kg	.03	0	.032	104		76 - 125
1,2-Dichloroethene	mg/kg	.061	0	.063	105		75 - 129
1,2-Dichloropropane	mg/kg	.03	0	.032	104		80 - 121
1,3,5-Trimethylbenzene	mg/kg	.03	0	.029	96		80 - 122
1,3-Dichlorobenzene	mg/kg	.03	0	.029	95		80 - 120
1,3-Dichloropropane	mg/kg	.03	0	.029	98		80 - 122
1,4-Dichlorobenzene	mg/kg	.03	0	.028	94		80 - 120
2,2-Dichloropropane	mg/kg	.03	0	.033	108		68 - 130
2-Butanone	mg/kg	.03	0	.027	90		45 - 170
2-Chlorotoluene	mg/kg	.03	0	.029	96		80 - 123
2-Hexanone	mg/kg	.03	0	.028	92		56 - 153
4-Chlorotoluene	mg/kg	.03	0	.028	92		80 - 121
4-Isopropyltoluene	mg/kg	.03	0	.029	95		80 - 123
4-Methyl-2-pentanone	mg/kg	.03	0	.03	98		56 - 147
Acetone	mg/kg	.03	.00399	.033	94		18 - 201
Acrolein	mg/kg	.152	0	.096	64		40 - 164
Acrylonitrile	mg/kg	.152	0	.138	91		53 - 153
Benzene	mg/kg	.03	0	.03	101		80 - 120
Bromobenzene	mg/kg	.03	0	.029	94		80 - 125
Bromodichloromethane	mg/kg	.03	0	.03	102		80 - 120
Bromoform	mg/kg	.03	0	.029	96		74 - 125
Bromomethane	mg/kg	.03	0	.033	110		44 - 163
Carbon disulfide	mg/kg	.03	0	.024	81		69 - 135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 out of 73 outside limits

Spike Recovery: 3 out of 146 outside limits

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED9 (1-2)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8260

Analytical Batch: 364414

Carbon tetrachloride	mg/kg	.03	0	.032	104		75	-	123
Chlorobenzene	mg/kg	.03	0	.03	100		80	-	120
Chloroethane	mg/kg	.03	0	.026	84		47	-	155
Chloroform	mg/kg	.03	.00246	.03	91		72	-	127
Chloromethane	mg/kg	.03	0	.033	110		59	-	150
Dibromochloromethane	mg/kg	.03	0	.029	98		80	-	122
Dibromomethane	mg/kg	.03	0	.033	108		79	-	120
Dichlorodifluoromethane	mg/kg	.03	0	.03	98		63	-	139
Ethylbenzene	mg/kg	.03	0	.03	99		80	-	120
Hexachlorobutadiene	mg/kg	.03	0	.028	91		73	-	131
Isopropylbenzene (Cumene)	mg/kg	.03	0	.03	99		80	-	122
Methyl Acetate	mg/kg	.03	0	.021	67		41	-	164
Methyl iodide	mg/kg	.03	.00378	.043	128		52	-	145
Methylcyclohexane	mg/kg	.03	0	.03	98		79	-	122
Methylene chloride	mg/kg	.03	.00266	.028	82		64	-	138
Naphthalene	mg/kg	.03	0	.024	82		62	-	146
Styrene	mg/kg	.03	0	.029	94		80	-	120
Tetrachloroethene	mg/kg	.03	0	.029	96		76	-	126
Toluene	mg/kg	.03	0	.029	97		80	-	120
Trichloroethene	mg/kg	.03	0	.027	88		78	-	120
Trichlorofluoromethane	mg/kg	.03	0	.03	101		68	-	135
Trichlorotrifluoroethane	mg/kg	.03	0	.03	102		71	-	137
Vinyl acetate	mg/kg	.03	0	.00532	18	*	59	-	146
Vinyl chloride	mg/kg	.03	0	.033	108		72	-	134
Xylene (total)	mg/kg	.091	0	.09	99		80	-	120
cis-1,2-Dichloroethene	mg/kg	.03	0	.033	107		73	-	131
cis-1,3-Dichloropropene	mg/kg	.03	0	.032	104		80	-	120
m,p-Xylene	mg/kg	.061	0	.06	99		80	-	121
n-Butylbenzene	mg/kg	.03	0	.029	95		80	-	126
n-Propylbenzene	mg/kg	.03	0	.029	95		80	-	124
o-Xylene	mg/kg	.03	0	.03	98		80	-	122
sec-Butylbenzene	mg/kg	.03	0	.029	95		80	-	123
tert-Butyl methyl ether (MTBE)	mg/kg	.03	0	.03	102		71	-	130
tert-Butylbenzene	mg/kg	.03	0	.029	94		80	-	123
trans-1,2-Dichloroethene	mg/kg	.03	0	.032	102		71	-	134
trans-1,3-Dichloropropene	mg/kg	.03	0	.029	98		80	-	123
trans-1,4-Dichloro-2-butene	mg/kg	.03	0	.029	94		67	-	142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 out of 73 outside limits

Spike Recovery: 3 out of 146 outside limits

FORM III VOA-2

168518

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED9 (1-2)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8260

Analytical Batch: 364414

SAMPLE NO : ***20712202003***

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	#	*% RPD*	#	*QC. LIMITS REC*	*RPD*
1,1,1,2-Tetrachloroethane	mg/kg	.03	.029	96		4		80 - 120	0 - 30
1,1,1-Trichloroethane	mg/kg	.03	.032	106		4		74 - 125	0 - 30
1,1,2,2-Tetrachloroethane	mg/kg	.03	.033	107		4		75 - 134	0 - 30
1,1,2-Trichloroethane	mg/kg	.03	.028	94		8		80 - 121	0 - 30
1,1-Dichloroethane	mg/kg	.03	.032	103		4		73 - 131	0 - 30
1,1-Dichloroethene	mg/kg	.03	.03	102		0		73 - 134	0 - 22
1,1-Dichloropropene	mg/kg	.03	.03	100		4		79 - 124	0 - 30
1,2,3-Trichloropropane	mg/kg	.03	.027	89		9		76 - 135	0 - 30
1,2,4-Trichlorobenzene	mg/kg	.03	.023	76	*	19		79 - 129	0 - 30
1,2,4-Trimethylbenzene	mg/kg	.03	.028	90		4		80 - 122	0 - 30
1,2-Dibromo-3-chloropropane	mg/kg	.03	.026	85		13		60 - 146	0 - 30
1,2-Dibromoethane	mg/kg	.03	.028	92		8		79 - 123	0 - 30
1,2-Dichlorobenzene	mg/kg	.03	.027	86		9		80 - 120	0 - 30
1,2-Dichloroethane	mg/kg	.03	.029	95		8		76 - 125	0 - 30
1,2-Dichloroethene	mg/kg	.061	.062	102		2		75 - 129	0 - 30
1,2-Dichloropropane	mg/kg	.03	.03	99		4		80 - 121	0 - 30
1,3,5-Trimethylbenzene	mg/kg	.03	.028	91		4		80 - 122	0 - 30
1,3-Dichlorobenzene	mg/kg	.03	.026	86		13		80 - 120	0 - 30
1,3-Dichloropropane	mg/kg	.03	.028	90		4		80 - 122	0 - 30
1,4-Dichlorobenzene	mg/kg	.03	.026	84		9		80 - 120	0 - 30
2,2-Dichloropropane	mg/kg	.03	.034	110		4		68 - 130	0 - 30
2-Butanone	mg/kg	.03	.024	79		10		45 - 170	0 - 30
2-Chlorotoluene	mg/kg	.03	.027	89		9		80 - 123	0 - 30
2-Hexanone	mg/kg	.03	.026	82		9		56 - 153	0 - 30
4-Chlorotoluene	mg/kg	.03	.027	88		4		80 - 121	0 - 30
4-Isopropyltoluene	mg/kg	.03	.027	87		9		80 - 123	0 - 30
4-Methyl-2-pentanone	mg/kg	.03	.027	88		13		56 - 147	0 - 30
Acetone	mg/kg	.03	.026	71		25		18 - 201	0 - 30
Acrolein	mg/kg	.152	.083	54		15		40 - 164	0 - 30
Acrylonitrile	mg/kg	.152	.123	81		11		53 - 153	0 - 30
Benzene	mg/kg	.03	.029	97		4		80 - 120	0 - 21
Bromobenzene	mg/kg	.03	.028	90		4		80 - 125	0 - 30
Bromodichloromethane	mg/kg	.03	.029	97		4		80 - 120	0 - 30
Bromoform	mg/kg	.03	.027	86		9		74 - 125	0 - 30
Bromomethane	mg/kg	.03	.037	120		11		44 - 163	0 - 30
Carbon disulfide	mg/kg	.03	.021	69		16		69 - 135	0 - 30

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 out of 73 outside limits

Spike Recovery: 3 out of 146 outside limits

FORM III VOA-2

168519

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED9 (1-2)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8260

Analytical Batch: 364414

Carbon tetrachloride	mg/kg	.03	.033	106		4		75 - 123	0 - 30
Chlorobenzene	mg/kg	.03	.029	94		4		80 - 120	0 - 21
Chloroethane	mg/kg	.03	.029	94		13		47 - 155	0 - 30
Chloroform	mg/kg	.03	.03	90		0		72 - 127	0 - 30
Chloromethane	mg/kg	.03	.033	109		0		59 - 150	0 - 30
Dibromochloromethane	mg/kg	.03	.027	89		9		80 - 122	0 - 30
Dibromomethane	mg/kg	.03	.03	99		8		79 - 120	0 - 30
Dichlorodifluoromethane	mg/kg	.03	.03	99		0		63 - 139	0 - 30
Ethylbenzene	mg/kg	.03	.029	94		4		80 - 120	0 - 30
Hexachlorobutadiene	mg/kg	.03	.022	74		24		73 - 131	0 - 30
Isopropylbenzene (Cumene)	mg/kg	.03	.028	94		8		80 - 122	0 - 30
Methyl Acetate	mg/kg	.03	.016	51		27		41 - 164	0 - 30
Methyl iodide	mg/kg	.03	.046	139		8		52 - 145	0 - 30
Methylcyclohexane	mg/kg	.03	.028	90		8		79 - 122	0 - 30
Methylene chloride	mg/kg	.03	.027	80		4		64 - 138	0 - 30
Naphthalene	mg/kg	.03	.022	72		11		62 - 146	0 - 30
Styrene	mg/kg	.03	.027	89		9		80 - 120	0 - 30
Tetrachloroethene	mg/kg	.03	.028	93		4		76 - 126	0 - 30
Toluene	mg/kg	.03	.029	95		0		80 - 120	0 - 21
Trichloroethene	mg/kg	.03	.027	86		0		78 - 120	0 - 24
Trichlorofluoromethane	mg/kg	.03	.033	107		8		68 - 135	0 - 30
Trichlorotrifluoroethane	mg/kg	.03	.03	100		0		71 - 137	0 - 30
Vinyl acetate	mg/kg	.03	.00361	12	*	38	*	59 - 146	0 - 30
Vinyl chloride	mg/kg	.03	.033	108		0		72 - 134	0 - 30
Xylene (total)	mg/kg	.091	.085	94		6		80 - 120	0 - 30
cis-1,2-Dichloroethene	mg/kg	.03	.032	102		4		73 - 131	0 - 30
cis-1,3-Dichloropropene	mg/kg	.03	.029	97		8		80 - 120	0 - 30
m,p-Xylene	mg/kg	.061	.057	94		4		80 - 121	0 - 30
n-Butylbenzene	mg/kg	.03	.026	83		13		80 - 126	0 - 30
n-Propylbenzene	mg/kg	.03	.028	91		4		80 - 124	0 - 30
o-Xylene	mg/kg	.03	.029	94		4		80 - 122	0 - 30
sec-Butylbenzene	mg/kg	.03	.027	88		9		80 - 123	0 - 30
tert-Butyl methyl ether (MTBE)	mg/kg	.03	.029	94		4		71 - 130	0 - 30
tert-Butylbenzene	mg/kg	.03	.027	89		9		80 - 123	0 - 30
trans-1,2-Dichloroethene	mg/kg	.03	.032	102		0		71 - 134	0 - 30
trans-1,3-Dichloropropene	mg/kg	.03	.028	91		4		80 - 123	0 - 30
trans-1,4-Dichloro-2-butene	mg/kg	.03	.027	88		9		67 - 142	0 - 30

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 out of 73 outside limits

Spike Recovery: 3 out of 146 outside limits

FORM III VOA-2

168520

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8260

Analytical Batch: 364414

SAMPLE NO : 560451

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	#	*QC. LIMITS*
1,1,1,2-Tetrachloroethane	mg/kg	.025	0	.027	107		80 - 120
1,1,1-Trichloroethane	mg/kg	.025	0	.029	116		74 - 125
1,1,2,2-Tetrachloroethane	mg/kg	.025	0	.027	108		75 - 134
1,1,2-Trichloroethane	mg/kg	.025	0	.026	103		80 - 121
1,1-Dichloroethane	mg/kg	.025	0	.027	106		73 - 131
1,1-Dichloroethene	mg/kg	.025	0	.027	108		73 - 134
1,1-Dichloropropene	mg/kg	.025	0	.027	110		79 - 124
1,2,3-Trichloropropane	mg/kg	.025	0	.026	104		76 - 135
1,2,4-Trichlorobenzene	mg/kg	.025	0	.027	108		79 - 129
1,2,4-Trimethylbenzene	mg/kg	.025	0	.027	107		80 - 122
1,2-Dibromo-3-chloropropane	mg/kg	.025	0	.026	104		60 - 146
1,2-Dibromoethane	mg/kg	.025	0	.026	105		79 - 123
1,2-Dichlorobenzene	mg/kg	.025	0	.026	104		80 - 120
1,2-Dichloroethane	mg/kg	.025	0	.026	105		76 - 125
1,2-Dichloroethene	mg/kg	.05	0	.055	110		75 - 129
1,2-Dichloropropane	mg/kg	.025	0	.027	108		80 - 121
1,3,5-Trimethylbenzene	mg/kg	.025	0	.027	107		80 - 122
1,3-Dichlorobenzene	mg/kg	.025	0	.026	105		80 - 120
1,3-Dichloropropane	mg/kg	.025	0	.027	108		80 - 122
1,4-Dichlorobenzene	mg/kg	.025	0	.026	105		80 - 120
2,2-Dichloropropane	mg/kg	.025	0	.03	118		68 - 130
2-Butanone	mg/kg	.025	0	.023	93		45 - 170
2-Chlorotoluene	mg/kg	.025	0	.026	105		80 - 123
2-Hexanone	mg/kg	.025	0	.024	94		56 - 153
4-Chlorotoluene	mg/kg	.025	0	.026	104		80 - 121
4-Isopropyltoluene	mg/kg	.025	0	.027	107		80 - 123
4-Methyl-2-pentanone	mg/kg	.025	0	.025	101		56 - 147
Acetone	mg/kg	.025	0	.022	89		18 - 201
Acrolein	mg/kg	.125	0	.117	94		40 - 164
Acrylonitrile	mg/kg	.125	0	.113	90		53 - 153
Benzene	mg/kg	.025	0	.026	105		80 - 120
Bromobenzene	mg/kg	.025	0	.026	105		80 - 125
Bromodichloromethane	mg/kg	.025	0	.027	107		80 - 120
Bromoform	mg/kg	.025	0	.026	104		74 - 125
Bromomethane	mg/kg	.025	0	.032	127		44 - 163
Carbon disulfide	mg/kg	.025	0	.025	100		69 - 135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 73 outside limits

Spike Recovery: 2 out of 146 outside limits

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8260

Analytical Batch: 364414

Carbon tetrachloride	mg/kg	.025	0	.029	114		75	-	123
Chlorobenzene	mg/kg	.025	0	.026	105		80	-	120
Chloroethane	mg/kg	.025	0	.026	102		47	-	155
Chloroform	mg/kg	.025	0	.025	102		72	-	127
Chloromethane	mg/kg	.025	0	.027	106		59	-	150
Dibromochloromethane	mg/kg	.025	0	.026	104		80	-	122
Dibromomethane	mg/kg	.025	0	.028	111		79	-	120
Dichlorodifluoromethane	mg/kg	.025	0	.026	106		63	-	139
Ethylbenzene	mg/kg	.025	0	.027	106		80	-	120
Hexachlorobutadiene	mg/kg	.025	0	.027	110		73	-	131
Isopropylbenzene (Cumene)	mg/kg	.025	0	.027	108		80	-	122
Methyl Acetate	mg/kg	.025	0	.025	102		41	-	164
Methyl iodide	mg/kg	.025	0	.041	163	*	52	-	145
Methylcyclohexane	mg/kg	.025	0	.027	108		79	-	122
Methylene chloride	mg/kg	.025	0	.024	94		64	-	138
Naphthalene	mg/kg	.025	0	.024	95		62	-	146
Styrene	mg/kg	.025	0	.026	106		80	-	120
Tetrachloroethene	mg/kg	.025	0	.027	107		76	-	126
Toluene	mg/kg	.025	0	.026	104		80	-	120
Trichloroethene	mg/kg	.025	0	.026	106		78	-	120
Trichlorofluoromethane	mg/kg	.025	0	.028	112		68	-	135
Trichlorotrifluoroethane	mg/kg	.025	0	.028	110		71	-	137
Vinyl acetate	mg/kg	.025	0	.026	104		59	-	146
Vinyl chloride	mg/kg	.025	0	.028	111		72	-	134
Xylene (total)	mg/kg	.075	0	.079	105		80	-	120
cis-1,2-Dichloroethene	mg/kg	.025	0	.028	111		73	-	131
cis-1,3-Dichloropropene	mg/kg	.025	0	.028	110		80	-	120
m,p-Xylene	mg/kg	.05	0	.053	105		80	-	121
n-Butylbenzene	mg/kg	.025	0	.027	108		80	-	126
n-Propylbenzene	mg/kg	.025	0	.027	106		80	-	124
o-Xylene	mg/kg	.025	0	.026	105		80	-	122
sec-Butylbenzene	mg/kg	.025	0	.027	106		80	-	123
tert-Butyl methyl ether (MTBE)	mg/kg	.025	0	.027	107		71	-	130
tert-Butylbenzene	mg/kg	.025	0	.026	104		80	-	123
trans-1,2-Dichloroethene	mg/kg	.025	0	.027	108		71	-	134
trans-1,3-Dichloropropene	mg/kg	.025	0	.027	106		80	-	123
trans-1,4-Dichloro-2-butene	mg/kg	.025	0	.027	110		67	-	142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 73 outside limits

Spike Recovery: 2 out of 146 outside limits

FORM III VOA-2

168522

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8260

Analytical Batch: 364414

SAMPLE NO : 560455

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	#	*% RPD*	#	*QC. LIMITS REC*	*RPD*
1,1,1,2-Tetrachloroethane	mg/kg	.025	.026	104		4		80 - 120	0 - 30
1,1,1-Trichloroethane	mg/kg	.025	.028	113		4		74 - 125	0 - 30
1,1,2,2-Tetrachloroethane	mg/kg	.025	.026	104		4		75 - 134	0 - 30
1,1,2-Trichloroethane	mg/kg	.025	.026	105		0		80 - 121	0 - 30
1,1-Dichloroethane	mg/kg	.025	.027	108		0		73 - 131	0 - 30
1,1-Dichloroethene	mg/kg	.025	.027	106		0		73 - 134	0 - 22
1,1-Dichloropropene	mg/kg	.025	.027	108		0		79 - 124	0 - 30
1,2,3-Trichloropropane	mg/kg	.025	.027	107		4		76 - 135	0 - 30
1,2,4-Trichlorobenzene	mg/kg	.025	.028	111		4		79 - 129	0 - 30
1,2,4-Trimethylbenzene	mg/kg	.025	.026	104		4		80 - 122	0 - 30
1,2-Dibromo-3-chloropropane	mg/kg	.025	.029	114		11		60 - 146	0 - 30
1,2-Dibromoethane	mg/kg	.025	.026	104		0		79 - 123	0 - 30
1,2-Dichlorobenzene	mg/kg	.025	.026	104		0		80 - 120	0 - 30
1,2-Dichloroethane	mg/kg	.025	.027	108		4		76 - 125	0 - 30
1,2-Dichloroethene	mg/kg	.05	.055	109		0		75 - 129	0 - 30
1,2-Dichloropropane	mg/kg	.025	.027	107		0		80 - 121	0 - 30
1,3,5-Trimethylbenzene	mg/kg	.025	.026	105		4		80 - 122	0 - 30
1,3-Dichlorobenzene	mg/kg	.025	.026	102		0		80 - 120	0 - 30
1,3-Dichloropropane	mg/kg	.025	.026	103		4		80 - 122	0 - 30
1,4-Dichlorobenzene	mg/kg	.025	.026	103		0		80 - 120	0 - 30
2,2-Dichloropropane	mg/kg	.025	.03	120		0		68 - 130	0 - 30
2-Butanone	mg/kg	.025	.026	104		12		45 - 170	0 - 30
2-Chlorotoluene	mg/kg	.025	.026	102		0		80 - 123	0 - 30
2-Hexanone	mg/kg	.025	.025	102		4		56 - 153	0 - 30
4-Chlorotoluene	mg/kg	.025	.025	102		4		80 - 121	0 - 30
4-Isopropyltoluene	mg/kg	.025	.026	103		4		80 - 123	0 - 30
4-Methyl-2-pentanone	mg/kg	.025	.027	107		8		56 - 147	0 - 30
Acetone	mg/kg	.025	.025	101		13		18 - 201	0 - 30
Acrolein	mg/kg	.125	.124	99		6		40 - 164	0 - 30
Acrylonitrile	mg/kg	.125	.125	100		10		53 - 153	0 - 30
Benzene	mg/kg	.025	.026	105		0		80 - 120	0 - 21
Bromobenzene	mg/kg	.025	.026	104		0		80 - 125	0 - 30
Bromodichloromethane	mg/kg	.025	.027	107		0		80 - 120	0 - 30
Bromoform	mg/kg	.025	.026	105		0		74 - 125	0 - 30
Bromomethane	mg/kg	.025	.036	144		12		44 - 163	0 - 30
Carbon disulfide	mg/kg	.025	.025	98		0		69 - 135	0 - 30

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 73 outside limits

Spike Recovery: 2 out of 146 outside limits

FORM III VOA-2

168523

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8260

Analytical Batch: 364414

Carbon tetrachloride	mg/kg	.025	.027	108		7		75 - 123	0 - 30
Chlorobenzene	mg/kg	.025	.026	103		0		80 - 120	0 - 21
Chloroethane	mg/kg	.025	.021	86		21		47 - 155	0 - 30
Chloroform	mg/kg	.025	.026	102		4		72 - 127	0 - 30
Chloromethane	mg/kg	.025	.027	109		0		59 - 150	0 - 30
Dibromochloromethane	mg/kg	.025	.026	102		0		80 - 122	0 - 30
Dibromomethane	mg/kg	.025	.027	108		4		79 - 120	0 - 30
Dichlorodifluoromethane	mg/kg	.025	.026	104		0		63 - 139	0 - 30
Ethylbenzene	mg/kg	.025	.026	105		4		80 - 120	0 - 30
Hexachlorobutadiene	mg/kg	.025	.028	114		4		73 - 131	0 - 30
Isopropylbenzene (Cumene)	mg/kg	.025	.026	104		4		80 - 122	0 - 30
Methyl Acetate	mg/kg	.025	.025	102		0		41 - 164	0 - 30
Methyl iodide	mg/kg	.025	.042	169	*	2		52 - 145	0 - 30
Methylcyclohexane	mg/kg	.025	.027	107		0		79 - 122	0 - 30
Methylene chloride	mg/kg	.025	.023	94		4		64 - 138	0 - 30
Naphthalene	mg/kg	.025	.026	104		8		62 - 146	0 - 30
Styrene	mg/kg	.025	.027	106		4		80 - 120	0 - 30
Tetrachloroethene	mg/kg	.025	.025	101		8		76 - 126	0 - 30
Toluene	mg/kg	.025	.025	102		4		80 - 120	0 - 21
Trichloroethene	mg/kg	.025	.027	109		4		78 - 120	0 - 24
Trichlorofluoromethane	mg/kg	.025	.027	106		4		68 - 135	0 - 30
Trichlorotrifluoroethane	mg/kg	.025	.027	110		4		71 - 137	0 - 30
Vinyl acetate	mg/kg	.025	.026	104		0		59 - 146	0 - 30
Vinyl chloride	mg/kg	.025	.027	110		4		72 - 134	0 - 30
Xylene (total)	mg/kg	.075	.078	104		1		80 - 120	0 - 30
cis-1,2-Dichloroethene	mg/kg	.025	.028	111		0		73 - 131	0 - 30
cis-1,3-Dichloropropene	mg/kg	.025	.027	110		4		80 - 120	0 - 30
m,p-Xylene	mg/kg	.05	.052	104		2		80 - 121	0 - 30
n-Butylbenzene	mg/kg	.025	.026	105		4		80 - 126	0 - 30
n-Propylbenzene	mg/kg	.025	.026	104		4		80 - 124	0 - 30
o-Xylene	mg/kg	.025	.026	104		0		80 - 122	0 - 30
sec-Butylbenzene	mg/kg	.025	.026	104		4		80 - 123	0 - 30
tert-Butyl methyl ether (MTBE)	mg/kg	.025	.027	107		0		71 - 130	0 - 30
tert-Butylbenzene	mg/kg	.025	.026	102		0		80 - 123	0 - 30
trans-1,2-Dichloroethene	mg/kg	.025	.027	108		0		71 - 134	0 - 30
trans-1,3-Dichloropropene	mg/kg	.025	.026	104		4		80 - 123	0 - 30
trans-1,4-Dichloro-2-butene	mg/kg	.025	.027	106		0		67 - 142	0 - 30

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 73 outside limits

Spike Recovery: 2 out of 146 outside limits

FORM III VOA-2

168524

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED9 (1-2)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8260

Analytical Batch: 364472

SAMPLE NO : 20712202002

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*#*	*QC. LIMITS*
2-Chloroethylvinyl ether	mg/kg	1.52	0	1.34	88		60 - 135

SAMPLE NO : 20712202003

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	*#*	*% RPD*	*#*	*QC. LIMITS REC*	*RPD*
2-Chloroethylvinyl ether	mg/kg	1.52	1.29	85		4		60 - 135	0 - 30

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

FORM III VOA-2

168525

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8260

Analytical Batch: 364472

SAMPLE NO : 560659

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	#	*QC. LIMITS*
2-Chloroethylvinyl ether	mg/kg	1.25	0	.852	68		60 - 135

SAMPLE NO : 560660

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	#	*% RPD*	#	*QC. LIMITS REC*	*RPD*
2-Chloroethylvinyl ether	mg/kg	1.25	.997	80		16		60 - 135	0 - 30

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB560387

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab File ID: 2071230/b0058

Lab Sample ID: 560387 Date Extracted:

GC Column: DB-VRX-20M ID: .18 (mm)

Date Analyzed: 12/30/07 Time: 1146

Instrument ID: MSV9 Matrix: Water

Heated Purge: N

Level: LOW

Prep Batch: Analytical Batch: 364394

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS560388	560388	2071230/b0054	12/30/07	1011
2.	LCSD560389	560389	2071230/b0055	12/30/07	1034
3.	SS121907-EB	20712202014	2071230/b0059	12/30/07	1236
4.	SS121907-FB	20712202015	2071230/b0060	12/30/07	1259
5.	TB-2	20712202016	2071230/b0061	12/30/07	1322
6.	TB-3	20712202017	2071230/b0062	12/30/07	1345

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB560450

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab File ID: 2071231/x1940 Lab Sample ID: 560450 Date Extracted:

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 12/31/07 Time: 1254

Instrument ID: MSV0 Matrix: Soil Heated Purge: Y

Level: LOW

Prep Batch: Analytical Batch: 364414

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS560451	560451	2071231/x1937	12/31/07	1149
2.	LCSD560455	560455	2071231/x1938	12/31/07	1211
3.	2WSED9 (1-2)	20712202001	2071231/x1942	12/31/07	1349
4.	2WSED9 MS (1-2)	20712202002	2071231/x1951m	12/31/07	1704
5.	2WSED9 MSD (1-2)	20712202003	2071231/x1952m	12/31/07	1726

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB560658

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab File ID: 2080102/c9405 Lab Sample ID: 560658 Date Extracted:

GC Column: DB-VRX-20M ID: .18 (mm) Date Analyzed: 01/02/08 Time: 1211

Instrument ID: MSV7 Matrix: Soil Heated Purge: Y

Level: LOW

Prep Batch: Analytical Batch: 364472

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS560659	560659	2080102/c9402	01/02/08	1104
2.	LCSD560660	560660	2080102/c9403	01/02/08	1126
3.	2WSED9 (1-2)	20712202001	2080102/c9406	01/02/08	1242
4.	2WSED9 MS (1-2)	20712202002	2080102/c9407	01/02/08	1304
5.	2WSED9 MSD (1-2)	20712202003	2080102/c9408	01/02/08	1327

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab File ID: 2071211q/x1334 BFB Injection Date: 12/12/07

Instrument ID: MSV0 BFB Injection Time: 0245

GC Column: DB-624-30M ID: .53 (mm)

Analytical Batch: 363357

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	15.71	(	)	
75	30.0 - 60.0% of mass 95	47.21	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.87	(	)	
173	Less than 2.0% of mass 174	0	(0	)	1
174	50.0 - 120.0% of mass 95	76.89	(	)	
175	5.0 - 9.0% of mass 174	5.68	(7.39	)	1
176	95.0 - 101.0% of mass 174	74.47	(96.86	)	1
177	5.0 - 9.0% of mass 176	4.82	(6.48	)	2

1- Value is % mass 174 2- Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	SAMPLE NO.	*LAB SAMPLE ID*	*LAB FILE ID*	*DATE ANALYZED*	*TIME ANALYZED*
1.	V0APP9STD002	1206	2071211q/x1335	12/12/07	0307
2.	V0APP9STD005	1201	2071211q/x1336	12/12/07	0329
3.	V0APP9STD010	1207	2071211q/x1337	12/12/07	0351
4.	V0APP9STD020	1202	2071211q/x1338	12/12/07	0412
5.	V0APP9STD050	1203	2071211q/x1339	12/12/07	0434
6.	V0APP9STD100	1204	2071211q/x1340	12/12/07	0456
7.	V0APP9STD200	1205	2071211q/x1341	12/12/07	0517
8.	APP9ICV	1600	2071211q/x1343	12/12/07	0601

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab File ID: 2071230/x1903 BFB Injection Date: 12/30/07

Instrument ID: MSV0 BFB Injection Time: 1057

GC Column: DB-624-30M ID: .53 (mm)

Analytical Batch: 364389

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	15.15	(	)	
75	30.0 - 60.0% of mass 95	45.09	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.86	(	)	
173	Less than 2.0% of mass 174	0	(0	)	1
174	50.0 - 120.0% of mass 95	80.4	(	)	
175	5.0 - 9.0% of mass 174	6.09	(7.58	)	1
176	95.0 - 101.0% of mass 174	77.89	(96.88	)	1
177	5.0 - 9.0% of mass 176	5.14	(6.61	)	2

1- Value is % mass 174 2- Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	SAMPLE NO.	*LAB SAMPLE ID*	*LAB FILE ID*	*DATE ANALYZED*	*TIME ANALYZED*
1.	V0STD002	1206	2071230/x1904	12/30/07	1142
2.	V0STD005	1201	2071230/x1905	12/30/07	1204
3.	V0STD010	1207	2071230/x1906	12/30/07	1225
4.	V0STD020	1202	2071230/x1907	12/30/07	1247
5.	V0STD050	1203	2071230/x1908	12/30/07	1309
6.	V0STD100	1204	2071230/x1909	12/30/07	1331
7.	V0STD200	1205	2071230/x1910	12/30/07	1352
8.	8260ICV	1600	2071230/x1913	12/30/07	1515
9.	V0APP9STD	1400	2071230/x1916	12/30/07	1647

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab File ID: 2071231/x1934 BFB Injection Date: 12/31/07

Instrument ID: MSV0 BFB Injection Time: 1006

GC Column: DB-624-30M ID: .53 (mm)

Analytical Batch: 364414

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	15.29	(	)	
75	30.0 - 60.0% of mass 95	45.96	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.82	(	)	
173	Less than 2.0% of mass 174	0	(0	)	1
174	50.0 - 120.0% of mass 95	78.71	(	)	
175	5.0 - 9.0% of mass 174	5.8	(7.38	)	1
176	95.0 - 101.0% of mass 174	76.49	(97.19	)	1
177	5.0 - 9.0% of mass 176	4.97	(6.51	)	2

1- Value is % mass 174 2- Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	SAMPLE NO.	*LAB SAMPLE ID*	*LAB FILE ID*	*DATE ANALYZED*	*TIME ANALYZED*
1.	V7STD050	1400	2071231/x1935	12/31/07	1047
2.	V7APP9050	1400	2071231/x1936	12/31/07	1125
3.	LCS560451	560451	2071231/x1937	12/31/07	1149
4.	LCSD560455	560455	2071231/x1938	12/31/07	1211
5.	MB560450	560450	2071231/x1940	12/31/07	1254
6.	2WSED9 (1-2)	20712202001	2071231/x1942	12/31/07	1349
7.	2WSED9 MS (1-2)	20712202002	2071231/x1951m	12/31/07	1704
8.	2WSED9 MSD (1-2)	20712202003	2071231/x1952m	12/31/07	1726

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab File ID: 2071228p/c9266 BFB Injection Date: 12/28/07

Instrument ID: MSV7 BFB Injection Time: 1606

GC Column: DB-VRX-20M ID: .18 (mm)

Analytical Batch: 364360

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	17.64	(	)	
75	30.0 - 60.0% of mass 95	56.34	(	)	
95	Base Peak, 100% relative abundance	91.86	(	)	
96	5.0 -9.0% of mass 95	7.32	(	)	
173	Less than 2.0% of mass 174	.87	(.8	)	1
174	50.0 - 120.0% of mass 95	108.8	(	)	
175	5.0 - 9.0% of mass 174	8.95	(8.23	)	1
176	95.0 - 101.0% of mass 174	103.8	(95.38	)	1
177	5.0 - 9.0% of mass 176	7.5	(7.23	)	2

1- Value is % mass 174 2- Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	SAMPLE NO.	*LAB SAMPLE ID*	*LAB FILE ID*	*DATE ANALYZED*	*TIME ANALYZED*
1.	V7STD0.20	1205	2071228p/c9271	12/28/07	1948
2.	V7STD0.40	1207	2071228p/c9272	12/28/07	2017
3.	V7STD001	1208	2071228p/c9273	12/28/07	2039
4.	V7STD005	1201	2071228p/c9274	12/28/07	2101
5.	V7STD010	1206	2071228p/c9275	12/28/07	2123
6.	V7STD020	1202	2071228p/c9276	12/28/07	2145
7.	V7STD050	1203	2071228p/c9277	12/28/07	2207
8.	V7STD100	1204	2071228p/c9278	12/28/07	2229
9.	V7ICV050	1600	2071229/c9290	12/29/07	1151

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab File ID: 2080102/c9399 BFB Injection Date: 01/02/08

Instrument ID: MSV7 BFB Injection Time: 0916

GC Column: DB-VRX-20M ID: .18 (mm)

Analytical Batch: 364472

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	16.64	(	)	
75	30.0 - 60.0% of mass 95	51.73	(	)	
95	Base Peak, 100% relative abundance	93.74	(	)	
96	5.0 -9.0% of mass 95	6.14	(	)	
173	Less than 2.0% of mass 174	1.34	(1.26	)	1
174	50.0 - 120.0% of mass 95	106.6	(	)	
175	5.0 - 9.0% of mass 174	7.94	(7.45	)	1
176	95.0 - 101.0% of mass 174	103.1	(96.66	)	1
177	5.0 - 9.0% of mass 176	6.84	(6.64	)	2

1- Value is % mass 174 2- Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	SAMPLE NO.	*LAB SAMPLE ID*	*LAB FILE ID*	*DATE ANALYZED*	*TIME ANALYZED*
1.	V7STD050	1400	2080102/c9400	01/02/08	1005
2.	LCS560659	560659	2080102/c9402	01/02/08	1104
3.	LCSD560660	560660	2080102/c9403	01/02/08	1126
4.	MB560658	560658	2080102/c9405	01/02/08	1211
5.	2WSED9 (1-2)	20712202001	2080102/c9406	01/02/08	1242
6.	2WSED9 MS (1-2)	20712202002	2080102/c9407	01/02/08	1304
7.	2WSED9 MSD (1-2)	20712202003	2080102/c9408	01/02/08	1327

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab File ID: 2071220/a9690 BFB Injection Date: 12/20/07

Instrument ID: MSV9 BFB Injection Time: 0743

GC Column: DB-VRX-20M ID: .18 (mm)

Analytical Batch: 363890

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	26.73	(	)	
75	30.0 - 60.0% of mass 95	52.3	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	7.11	(	)	
173	Less than 2.0% of mass 174	1.36	(1.97	)	1
174	50.0 - 120.0% of mass 95	69.26	(	)	
175	5.0 - 9.0% of mass 174	5.73	(8.28	)	1
176	95.0 - 101.0% of mass 174	67.09	(96.88	)	1
177	5.0 - 9.0% of mass 176	4.17	(6.22	)	2

1- Value is % mass 174 2- Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	SAMPLE NO.	*LAB SAMPLE ID*	*LAB FILE ID*	*DATE ANALYZED*	*TIME ANALYZED*
1.	V9STD001PPBAPP9	1208	2071220/a9693	12/20/07	0936
2.	V9STD005PPBAPP9	1201	2071220/a9694	12/20/07	0958
3.	V9STD010PPBAPP9	1206	2071220/a9695	12/20/07	1025
4.	V9STD020PPBAPP9	1202	2071220/a9696	12/20/07	1051
5.	V9STD050PPBAPP9	1203	2071220/a9697	12/20/07	1138
6.	V9STD100PPBAPP9	1204	2071220/a9698	12/20/07	1212
7.	V9STD200PPBAPP9	1205	2071220/a9699	12/20/07	1247
8.	V9STDAPP9ICV	1600	2071220/a9701	12/20/07	1352

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab File ID: 2071229p/b0004 BFB Injection Date: 12/29/07

Instrument ID: MSV9 BFB Injection Time: 1053

GC Column: DB-VRX-20M ID: .18 (mm)

Analytical Batch: 364380

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	24.62	(	)	
75	30.0 - 60.0% of mass 95	50.07	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	7.68	(	)	
173	Less than 2.0% of mass 174	1.11	(1.67	)	1
174	50.0 - 120.0% of mass 95	67	(	)	
175	5.0 - 9.0% of mass 174	5.22	(7.8	)	1
176	95.0 - 101.0% of mass 174	65.51	(97.78	)	1
177	5.0 - 9.0% of mass 176	4.12	(6.29	)	2

1- Value is % mass 174 2- Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	SAMPLE NO.	*LAB SAMPLE ID*	*LAB FILE ID*	*DATE ANALYZED*	*TIME ANALYZED*
1.	V9STD0.20	1205	2071229p/b0006	12/29/07	1146
2.	V9STD001	1208	2071229p/b0008	12/29/07	1255
3.	V9STD005	1201	2071229p/b0009	12/29/07	1318
4.	V9STD010	1206	2071229p/b0010	12/29/07	1341
5.	V9STD020	1202	2071229p/b0011	12/29/07	1404
6.	V9STD050	1203	2071229p/b0012	12/29/07	1427
7.	V9STD100	1204	2071229p/b0013	12/29/07	1450
8.	V9STD0.40	1207	2071229p/b0015	12/29/07	1553
9.	8260ICV	1600	2071229p/b0016	12/29/07	1713

168536

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab File ID: 2071230/b0052 BFB Injection Date: 12/30/07

Instrument ID: MSV9 BFB Injection Time: 0850

GC Column: DB-VRX-20M ID: .18 (mm)

Analytical Batch: 364394

m / e	ION ABUNDANCE CRITERIA	% Relative Abundance			
50	15.0 - 40.0% of mass 95	23.81	(	)	
75	30.0 - 60.0% of mass 95	50.28	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.57	(	)	
173	Less than 2.0% of mass 174	1.15	(1.73)		1
174	50.0 - 120.0% of mass 95	66.64	(	)	
175	5.0 - 9.0% of mass 174	5.13	(7.71)		1
176	95.0 - 101.0% of mass 174	64.2	(96.35)		1
177	5.0 - 9.0% of mass 176	4.63	(7.22)		2

1- Value is % mass 174 2- Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	V9STD050	1400	2071230/b0053	12/30/07	0928
2.	LCS560388	560388	2071230/b0054	12/30/07	1011
3.	LCSD560389	560389	2071230/b0055	12/30/07	1034
4.	V9APP9STD	1400	2071230/b0056	12/30/07	1100
5.	MB560387	560387	2071230/b0058	12/30/07	1146
6.	SS121907-EB	20712202014	2071230/b0059	12/30/07	1236
7.	SS121907-FB	20712202015	2071230/b0060	12/30/07	1259
8.	TB-2	20712202016	2071230/b0061	12/30/07	1322
9.	TB-3	20712202017	2071230/b0062	12/30/07	1345

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab File ID (Standard): 2071230/b0053 Date Analyzed: 12/30/07

Instrument ID: MSV9 Time: 0928

GC Column: DB-VRX-20M ID: .18 (mm) Heated Purge: (Y/N) N

Analytical Batch: 364394

		IS 1		IS 2		IS 3	
		Area	RT	Area	RT	Area	RT
	STANDARD	527855	11.3	325702	14.39	1196629	6.8
	EPA Sample	#	#	#	#	#	#
1.	LCS560388	510815	11.3	303442	14.39	1182329	6.8
2.	LCSD560389	528424	11.3	327358	14.39	1237500	6.8
3.	MB560387	425074	11.3	266157	14.39	1149711	6.8
4.	SS121907-EB	396547	11.3	257100	14.39	1069817	6.8
5.	SS121907-FB	388209	11.3	251859	14.39	1074775	6.8
6.	TB-2	376860	11.3	238976	14.39	1026661	6.8
7.	TB-3	358856	11.3	238220	14.39	1010256	6.8

IS 1 ID : Chlorobenzene-d5
IS 2 ID : 1,4-Dichlorobenzene-d4
IS 3 ID : Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RTLOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Value outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab File ID (Standard): 2071231/x1935 Date Analyzed: 12/31/07

Instrument ID: MSV0 Time: 1047

GC Column: DB-624-30M ID: .53 (mm) Heated Purge: (Y/N) Y

Analytical Batch: 364414

	IS 1 Area		IS 1 RT		IS 2 Area		IS 2 RT		IS 3 Area		IS 3 RT	
STANDARD	243385		9.29		242559		11.29		548256		6.5	
EPA Sample		#		#		#		#		#		#
1. LCS560451	242397		9.29		241813		11.29		539612		6.5	
2. LCSD560455	238870		9.29		237963		11.29		522281		6.5	
3. MB560450	229119		9.29		231469		11.29		509295		6.5	
4. 2WSED9 (1-2)	222691		9.29		224436		11.3		501463		6.5	
5. 2WSED9 MS (1-2)	219808		9.29		226102		11.29		477577		6.5	
6. 2WSED9 MSD (1-2)	214283		9.29		212965		11.29		472525		6.5	

IS 1 ID : Chlorobenzene-d5
IS 2 ID : 1,4-Dichlorobenzene-d4
IS 3 ID : Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RTLOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Value outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab File ID (Standard): 2080102/c9400 Date Analyzed: 01/02/08

Instrument ID: MSV7 Time: 1005

GC Column: DB-VRX-20M ID: .18 (mm) Heated Purge: (Y/N) N

Analytical Batch: 364472

		IS 1		IS 2		IS 3	
		Area	RT	Area	RT	Area	RT
	STANDARD	1268604	9.95	1756738	12	2560738	6.33
	EPA Sample	#	#	#	#	#	#
1.	LCS560659	1228282	9.95	1616263	12	2680568	6.33
2.	LCSD560660	1243246	9.96	1589703	12	2700951	6.34
3.	MB560658	1073165	9.95	1238738	12	2587011	6.33
4.	2WSED9 (1-2)	1122826	9.95	1307678	12	2550452	6.32
5.	2WSED9 MS (1-2)	1253118	9.95	1658766	12	2785379	6.33
6.	2WSED9 MSD (1-2)	1246711	9.95	1641165	12	2839101	6.32

IS 1 ID : Chlorobenzene-d5
IS 2 ID : 1,4-Dichlorobenzene-d4
IS 3 ID : Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RTLOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Value outside of QC limits

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED9 (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g

Lab Sample ID: 20712202001

Level: (low/med) LOW

Lab File ID: 2071231/X1942

% Moisture: not dec. 18.0

Date Collected: 12/19/07 Time: 1200

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 12/20/07

Instrument ID: MSV0

Date Analyzed: 12/31/07 Time: 1349

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00610	U	0.000215	0.00610
71-55-6	1,1,1-Trichloroethane	0.00610	U	0.000150	0.00610
79-34-5	1,1,2,2-Tetrachloroethane	0.00610	U	0.000220	0.00610
79-00-5	1,1,2-Trichloroethane	0.00610	U	0.000139	0.00610
75-34-3	1,1-Dichloroethane	0.00610	U	0.000194	0.00610
75-35-4	1,1-Dichloroethene	0.00610	U	0.000438	0.00610
563-58-6	1,1-Dichloropropene	0.00610	U	0.000159	0.00610
96-18-4	1,2,3-Trichloropropane	0.00244	U	0.000299	0.00244
120-82-1	1,2,4-Trichlorobenzene	0.00610	U	0.000399	0.00610
95-63-6	1,2,4-Trimethylbenzene	0.00610	U	0.000242	0.00610
96-12-8	1,2-Dibromo-3-chloropropane	0.00610	U	0.00106	0.00610
106-93-4	1,2-Dibromoethane	0.00610	U	0.000183	0.00610
95-50-1	1,2-Dichlorobenzene	0.00610	U	0.000139	0.00610
107-06-2	1,2-Dichloroethane	0.00610	U	0.000139	0.00610
540-59-0	1,2-Dichloroethene	0.012	U	0.000354	0.012
78-87-5	1,2-Dichloropropane	0.00610	U	0.000137	0.00610
108-67-8	1,3,5-Trimethylbenzene	0.00610	U	0.000199	0.00610
541-73-1	1,3-Dichlorobenzene	0.00610	U	0.000288	0.00610
142-28-9	1,3-Dichloropropane	0.00610	U	0.000166	0.00610
106-46-7	1,4-Dichlorobenzene	0.00610	U	0.000514	0.00610
594-20-7	2,2-Dichloropropane	0.00610	U	0.000215	0.00610
78-93-3	2-Butanone	0.00610	U	0.000381	0.00610
95-49-8	2-Chlorotoluene	0.00610	U	0.000183	0.00610
591-78-6	2-Hexanone	0.00610	U	0.00101	0.00610
106-43-4	4-Chlorotoluene	0.00610	U	0.000396	0.00610
99-87-6	4-Isopropyltoluene	0.00610	U	0.000196	0.00610
108-10-1	4-Methyl-2-pentanone	0.00610	U	0.000211	0.00610
67-64-1	Acetone	0.00399	J	0.000456	0.030
107-02-8	Acrolein	0.030	U	0.00285	0.030
107-13-1	Acrylonitrile	0.030	U	0.000868	0.030
71-43-2	Benzene	0.00610	U	0.000127	0.00610

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED9 (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g

Lab Sample ID: 20712202001

Level: (low/med) LOW

Lab File ID: 2071231/X1942

% Moisture: not dec. 18.0

Date Collected: 12/19/07 Time: 1200

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 12/20/07

Instrument ID: MSV0

Date Analyzed: 12/31/07 Time: 1349

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00610	U	0.000287	0.00610
75-27-4	Bromodichloromethane	0.00610	U	0.000165	0.00610
75-25-2	Bromoform	0.00610	U	0.000206	0.00610
74-83-9	Bromomethane	0.00610	U	0.00184	0.00610
104-51-8	n-Butylbenzene	0.00610	U	0.000217	0.00610
75-15-0	Carbon disulfide	0.00610	U	0.000133	0.00610
56-23-5	Carbon tetrachloride	0.00610	U	0.000146	0.00610
108-90-7	Chlorobenzene	0.00610	U	0.000201	0.00610
75-00-3	Chloroethane	0.00610	U	0.000739	0.00610
67-66-3	Chloroform	0.00246	J	0.000172	0.00610
74-87-3	Chloromethane	0.00610	U	0.000566	0.00610
124-48-1	Dibromochloromethane	0.00610	U	0.000110	0.00610
74-95-3	Dibromomethane	0.00610	U	0.000190	0.00610
75-71-8	Dichlorodifluoromethane	0.00610	U	0.000444	0.00610
10061-01-5	cis-1,3-Dichloropropene	0.00610	U	0.000140	0.00610
10061-02-6	trans-1,3-Dichloropropene	0.00610	U	0.000172	0.00610
100-41-4	Ethylbenzene	0.00610	U	0.000252	0.00610
87-68-3	Hexachlorobutadiene	0.00610	U	0.00152	0.00610
98-82-8	Isopropylbenzene (Cumene)	0.00610	U	0.000187	0.00610
79-20-9	Methyl Acetate	0.00610	U	0.00186	0.00610
74-88-4	Methyl iodide	0.00610	J	0.00111	0.00610
108-87-2	Methylcyclohexane	0.00610	U	0.000451	0.00610
75-09-2	Methylene chloride	0.00266	J	0.000584	0.012
91-20-3	Naphthalene	0.00610	U	0.000459	0.00610
100-42-5	Styrene	0.00610	U	0.000185	0.00610
127-18-4	Tetrachloroethene	0.00610	U	0.000234	0.00610
108-88-3	Toluene	0.00610	U	0.000671	0.00610
79-01-6	Trichloroethene	0.00610	U	0.000216	0.00610
75-69-4	Trichlorofluoromethane	0.00610	U	0.000307	0.00610
76-13-1	Trichlorotrifluoroethane	0.00610	U	0.000229	0.00610
108-05-4	Vinyl acetate	0.00610	U	0.00119	0.00610
75-01-4	Vinyl chloride	0.00610	U	0.000428	0.00610

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED9 (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 20712202001

Level: (low/med) LOW Lab File ID: 2071231/X1942

% Moisture: not dec. 18.0 Date Collected: 12/19/07 Time: 1200

GC Column: DB-624-30M ID: .53 (mm) Date Received: 12/20/07

Instrument ID: MSV0 Date Analyzed: 12/31/07 Time: 1349

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.012	U	0.000698	0.012
156-59-2	cis-1,2-Dichloroethene	0.00610	U	0.000154	0.00610
136777-61-	m,p-Xylene	0.00610	U	0.000485	0.00610
71-36-3	n-Butyl alcohol	0.030	U	0.00122	0.030
103-65-1	n-Propylbenzene	0.00610	U	0.000171	0.00610
95-47-6	o-Xylene	0.00610	U	0.000212	0.00610
135-98-8	sec-Butylbenzene	0.00610	U	0.000143	0.00610
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00610	U	0.000090	0.00610
98-06-6	tert-Butylbenzene	0.00610	U	0.000307	0.00610
156-60-5	trans-1,2-Dichloroethene	0.00610	U	0.000200	0.00610
110-57-6	trans-1,4-Dichloro-2-butene	0.00610	U	0.000879	0.00610

GCAL, Inc.

Data file : /chem/msv0.i/2071231.b/x1942.d
Lab Smp Id: 20712202001
Inj Date : 31-DEC-2007 13:49
Operator : KCB Inst ID: msv0.i
Smp Info : 20712202001*
Misc Info : MSV~12197~*1*AJV
Comment :
Method : /var/chem/msv0.i/2071231.b/8260Bs0.m
Meth Date : 31-Dec-2007 13:34 kcb Quant Type: ISTD
Cal Date : 12-DEC-2007 05:17 Cal File: x1341.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
18 Methylene Chloride	49	3.524	3.521	(0.542)	5892	2.18459	2.18	7704
12 Acetone	43	3.624	3.621	(0.557)	18467	3.27455	3.27	6728
38 Chloroform +	83	5.497	5.494	(0.845)	8865	2.01821	2.02	7867(H)
$ 41 Dibromofluoromethane	111	5.691	5.687	(0.875)	128026	61.8553	61.9	5005
$ 47 1,2-Dichloroethane-d4	67	6.224	6.227	(0.957)	64316	58.2765	58.3	9769
* 49 FLUOROBENZENE	96	6.504	6.500	(1.000)	501463	50.0000		9606
$ 67 Toluene-d8	98	7.950	7.953	(0.856)	444492	59.1172	59.1	9837
* 85 Chlorobenzene-d5	82	9.290	9.293	(1.000)	222691	50.0000		2141
$ 98 Bromofluorobenzene	174	10.329	10.326	(1.112)	153659	52.8321	52.8	9741
* 115 1,4-DICHLOROBENZENE-D4	152	11.296	11.293	(1.000)	224436	50.0000		4066

168544

QC Flag Legend

H - Operator selected an alternate compound hit.

168545

Data File: /var/chem/msv0.i/2071231.b/x1942.d

Page 1

Date : 31-DEC-2007 13:49

Client ID:

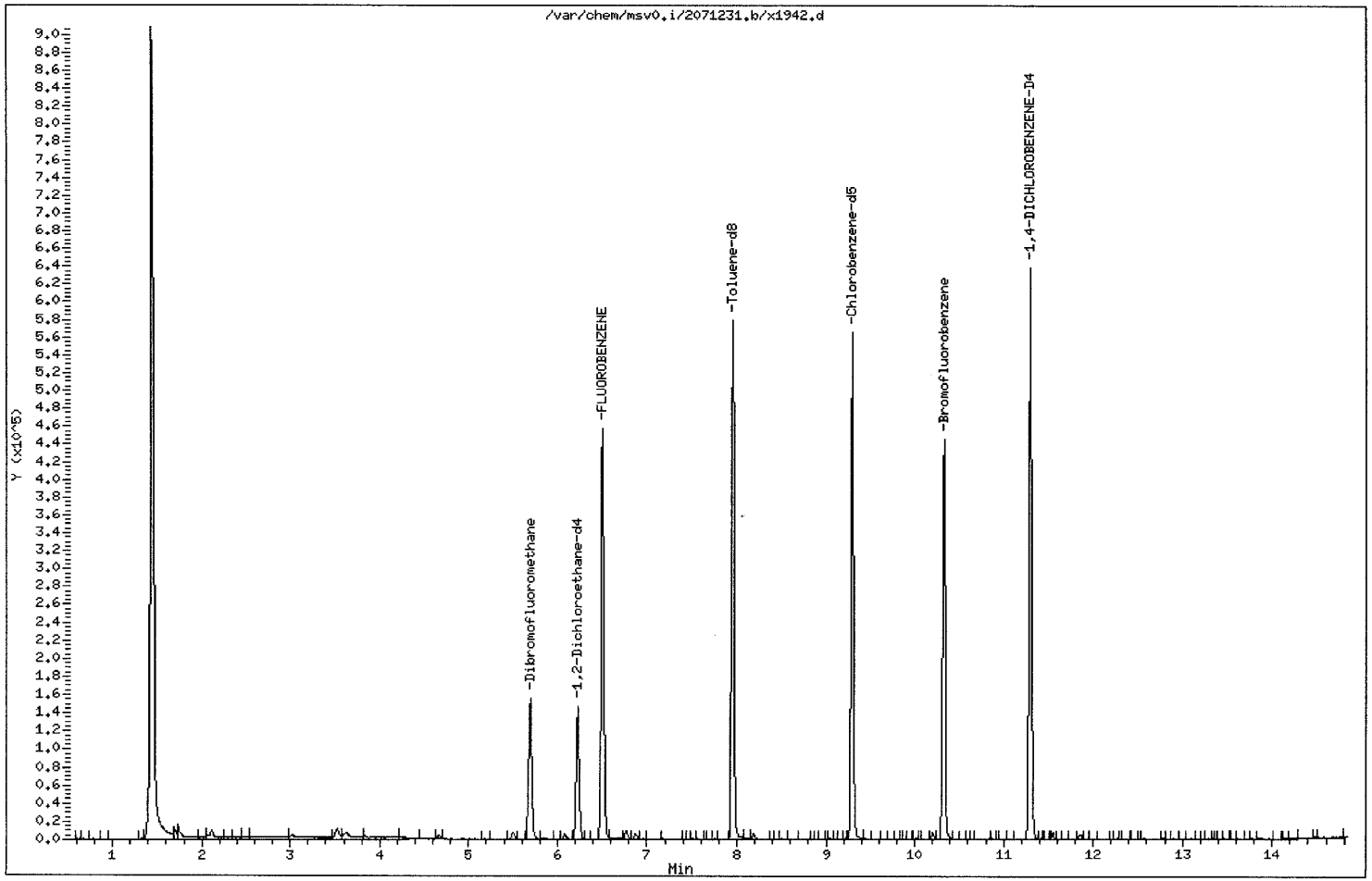
Instrument: msv0.i

Sample Info: 20712202001*

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv0.i/2071231.b/x1942.d

Date : 31-DEC-2007 13:49

Client ID:

Instrument: msv0.i

Sample Info: 20712202001*

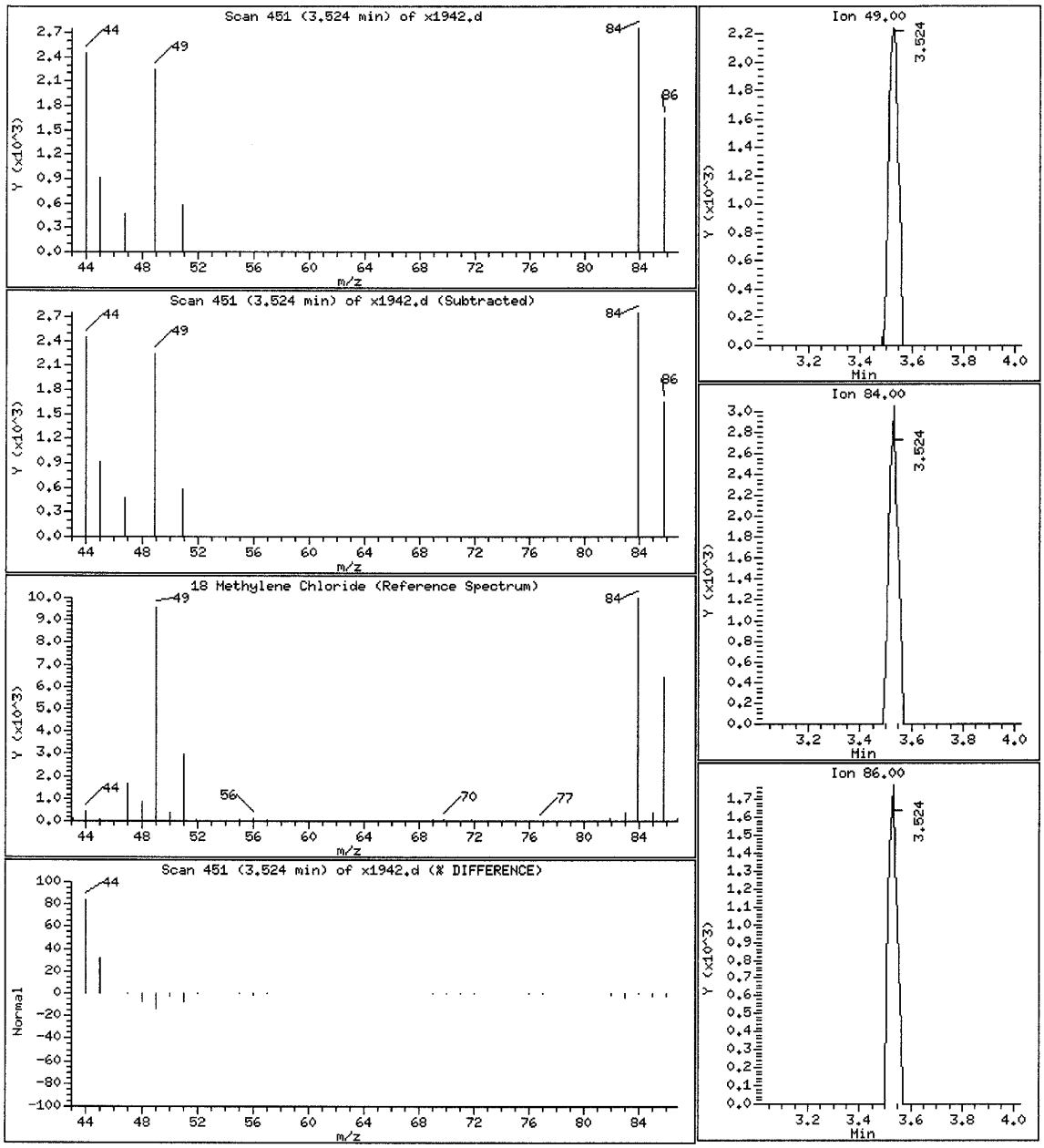
Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53

18 Methylene Chloride

Concentration: 2.18 ug/Kg



Data File: /var/chem/msv0.i/2071231.b/x1942.d

Date : 31-DEC-2007 13:49

Client ID:

Instrument: msv0.i

Sample Info: 20712202001*

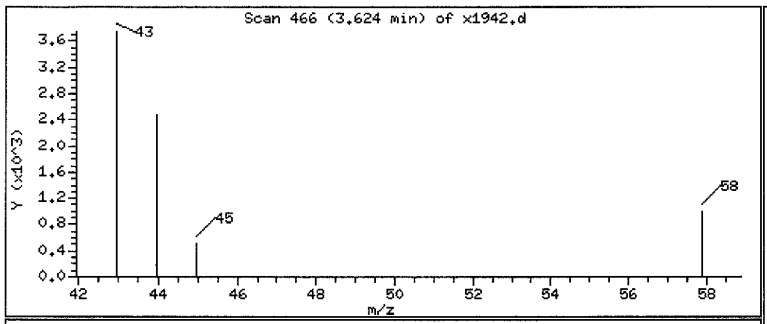
Operator: KCB

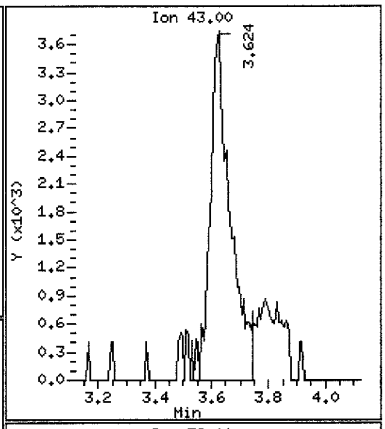
Column phase: DB-624-30M

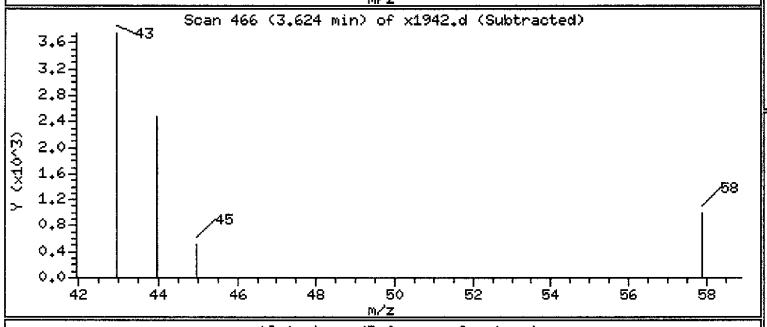
Column diameter: 0.53

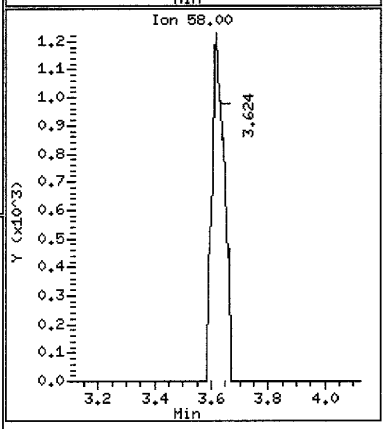
12 Acetone

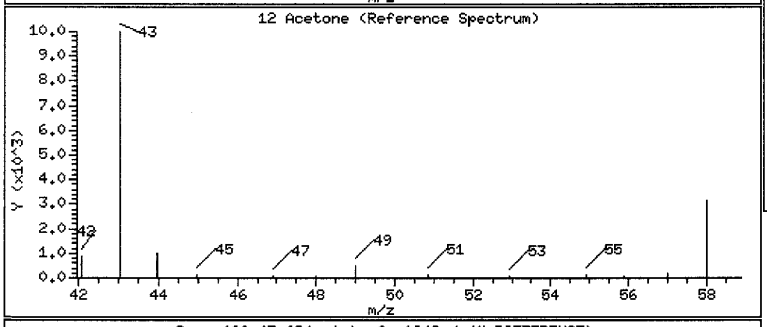
Concentration: 3.27 ug/Kg

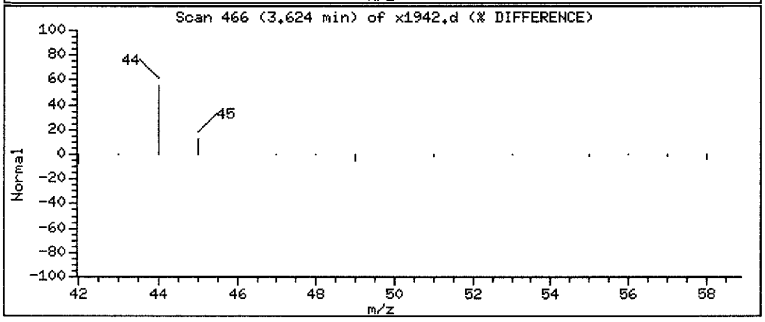












Data File: /var/chem/msv0.i/2071231.b/x1942.d

Date : 31-DEC-2007 13:49

Client ID:

Instrument: msv0.i

Sample Info: 20712202001x

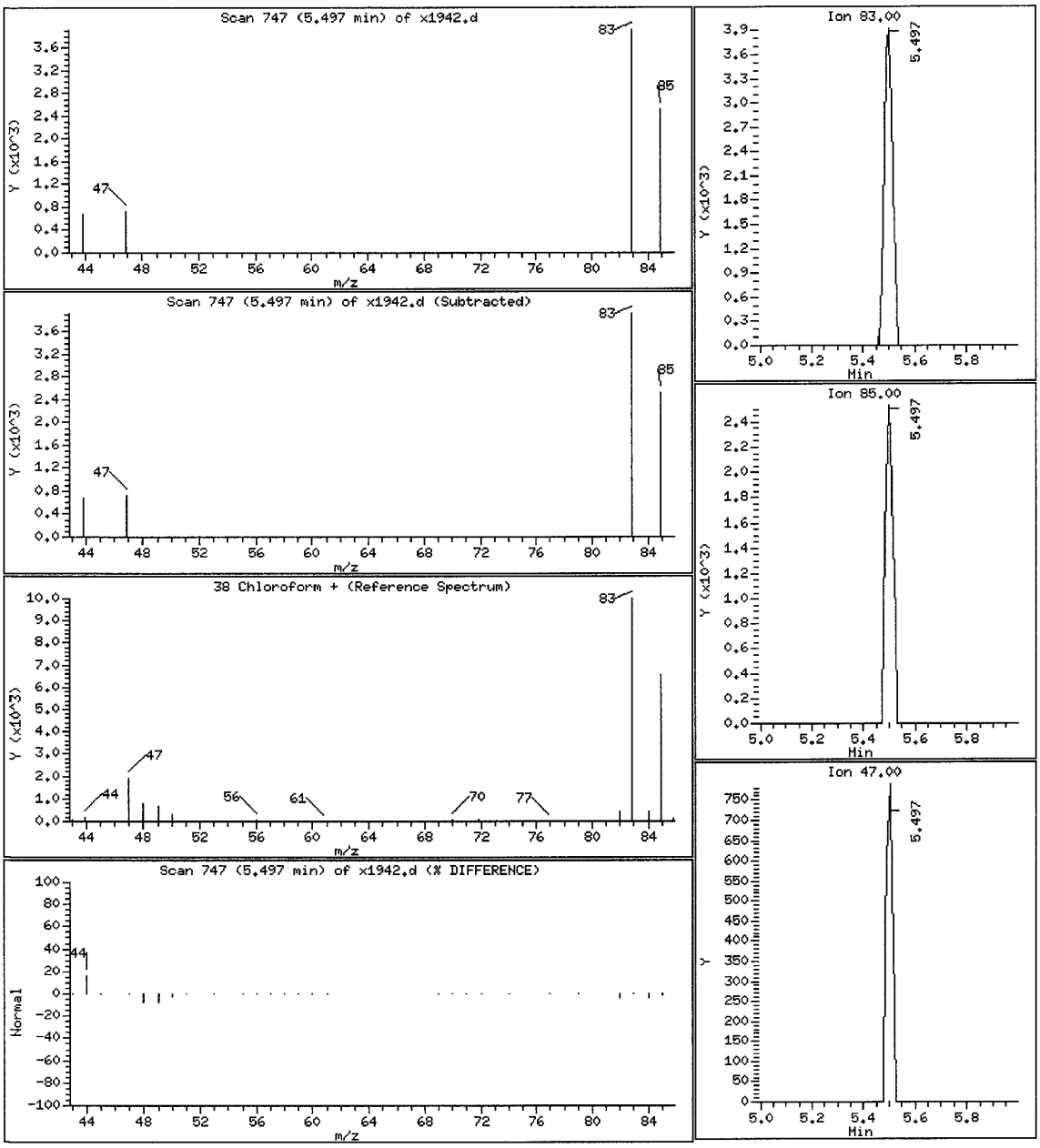
Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53

38 Chloroform +

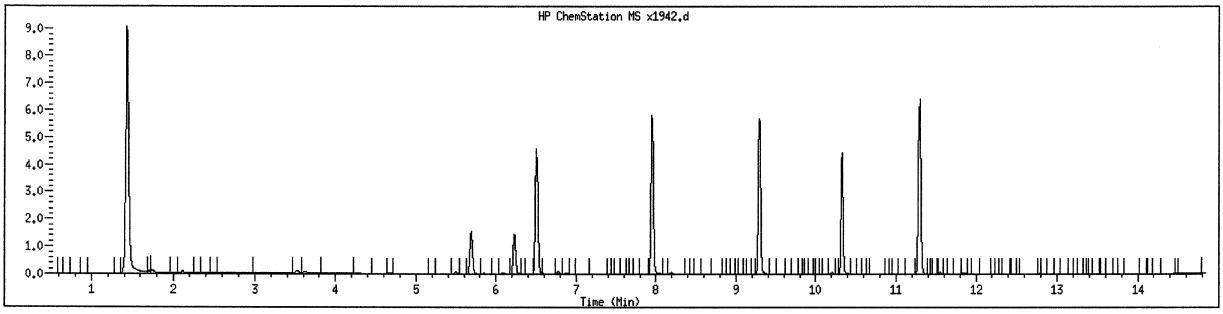
Concentration: 2.02 ug/Kg



Data file : /var/chem/msv0.i/2071231.b/x1942.d Page: 1
Report Date: 12/31/2007 14:23

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202001 SampleType : SAMPLE
Injection Date: 12/31/2007 13:49 Instrument : msv0.i
Operator : KCB
Sample Info : 20712202001*
Misc Info : MSV~12197~*1*AJV
Method : /var/chem/msv0.i/2071231.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

168550

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED9 (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g

Lab Sample ID: 20712202001

Level: (low/med) LOW

Lab File ID: 2080102/c9406

% Moisture: not dec. 18.0

Date Collected: 12/19/07 Time: 1200

GC Column: DB-VRX-20M ID: .18 (mm)

Date Received: 12/20/07

Instrument ID: MSV7

Date Analyzed: 01/02/08 Time: 1242

Soil Extract Volume: (µL)

Dilution Factor: 50 Analyst: EGW

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364472

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	0.305	U	0.012	0.305

FORM I VOA

GCAL, Inc.

Data file : /chem/msv7.i/2080102.s.b/c9406.d
Lab Smp Id: 20712202001
Inj Date : 02-JAN-2008 12:42
Operator : EGW Inst ID: msv7.i
Smp Info : 20712202001*
Misc Info : MSV~12203~*50*EGW
Comment :
Method : /var/chem/msv7.i/2080102.s.b/8260bw7C.m
Meth Date : 03-Jan-2008 09:27 kcb Quant Type: ISTD
Cal Date : 28-DEC-2007 22:29 Cal File: c9278.d
Als bottle: 1
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100))/5000 * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
m	0.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
$ 40 Dibromofluoromethane	111	5.426	5.431	(0.858)	736764	44.0527	2200	9649
$ 50 1,2-Dichloroethane-d4	67	6.009	6.017	(0.950)	419226	43.3142	2170	
* 53 FLUOROBENZENE	96	6.324	6.329	(1.000)	2550452	50.0000		
$ 68 Toluene-d8	98	8.159	8.164	(0.820)	2404616	56.4496	2820	
* 84 CHLOROBENZENE-d5	82	9.949	9.952	(1.000)	1122826	50.0000		
$ 95 Bromofluorobenzene	174	11.092	11.089	(1.115)	1064470	46.4436	2320	
* 114 1,4-DICHLOROBENZENE-D4	152	11.999	11.999	(1.000)	1307678	50.0000		
124 Naphthalene	128	13.636	13.636	(1.136)	14430	1.59785	79.9	

Data File: /var/chem/msv7.i/2080102.s.b/c9406.d

Page 1

Date : 02-JAN-2008 12:42

Client ID:

Instrument: msv7.i

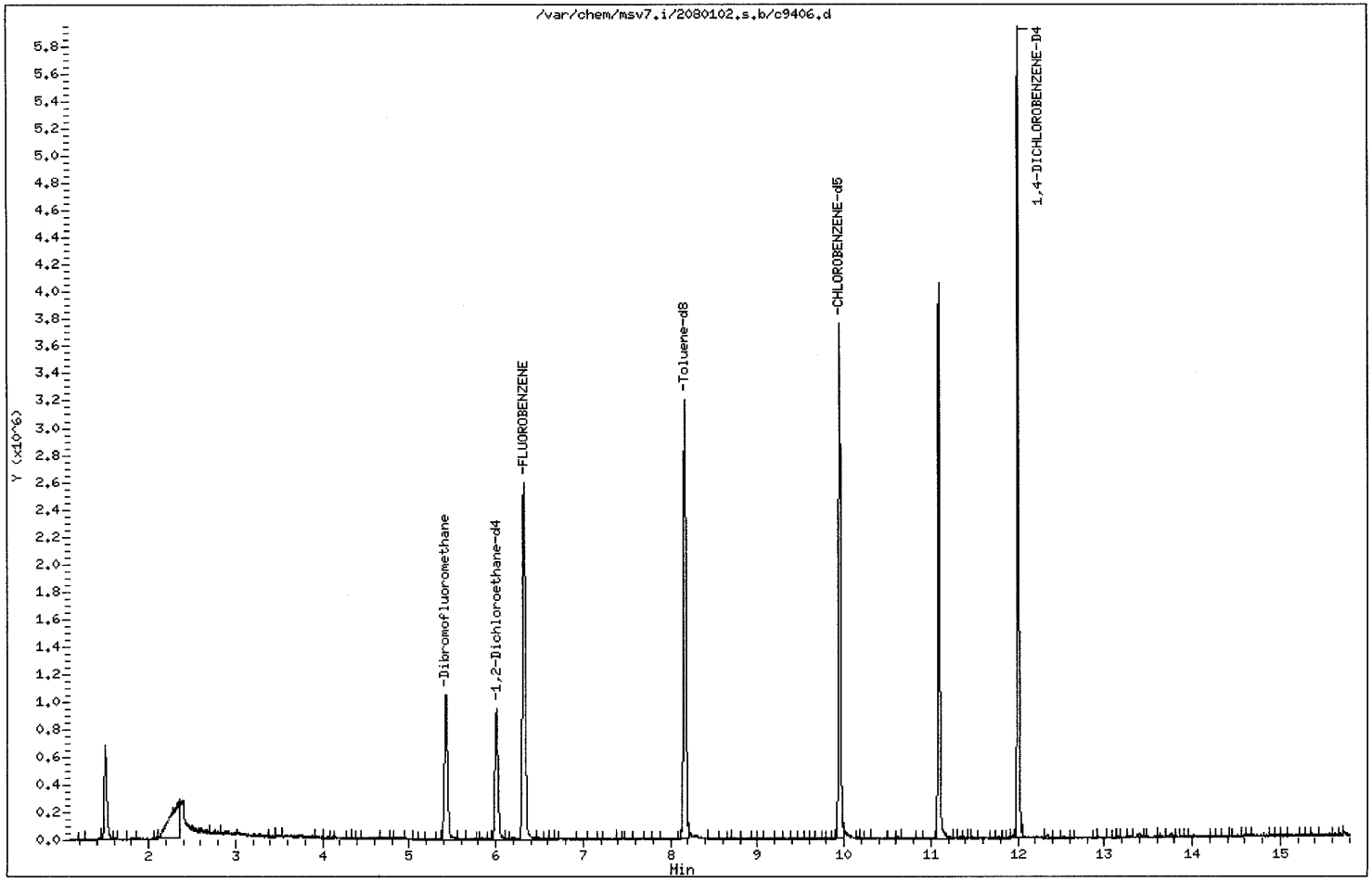
Sample Info: 20712020001*

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-20M

Column diameter: 0.18



Data File: /var/chem/msv7.i/2080102.s.b/c9406.d

Date : 02-JAN-2008 12:42

Client ID:

Instrument: msv7.i

Sample Info: 20712202001x

Purge Volume: 5.0

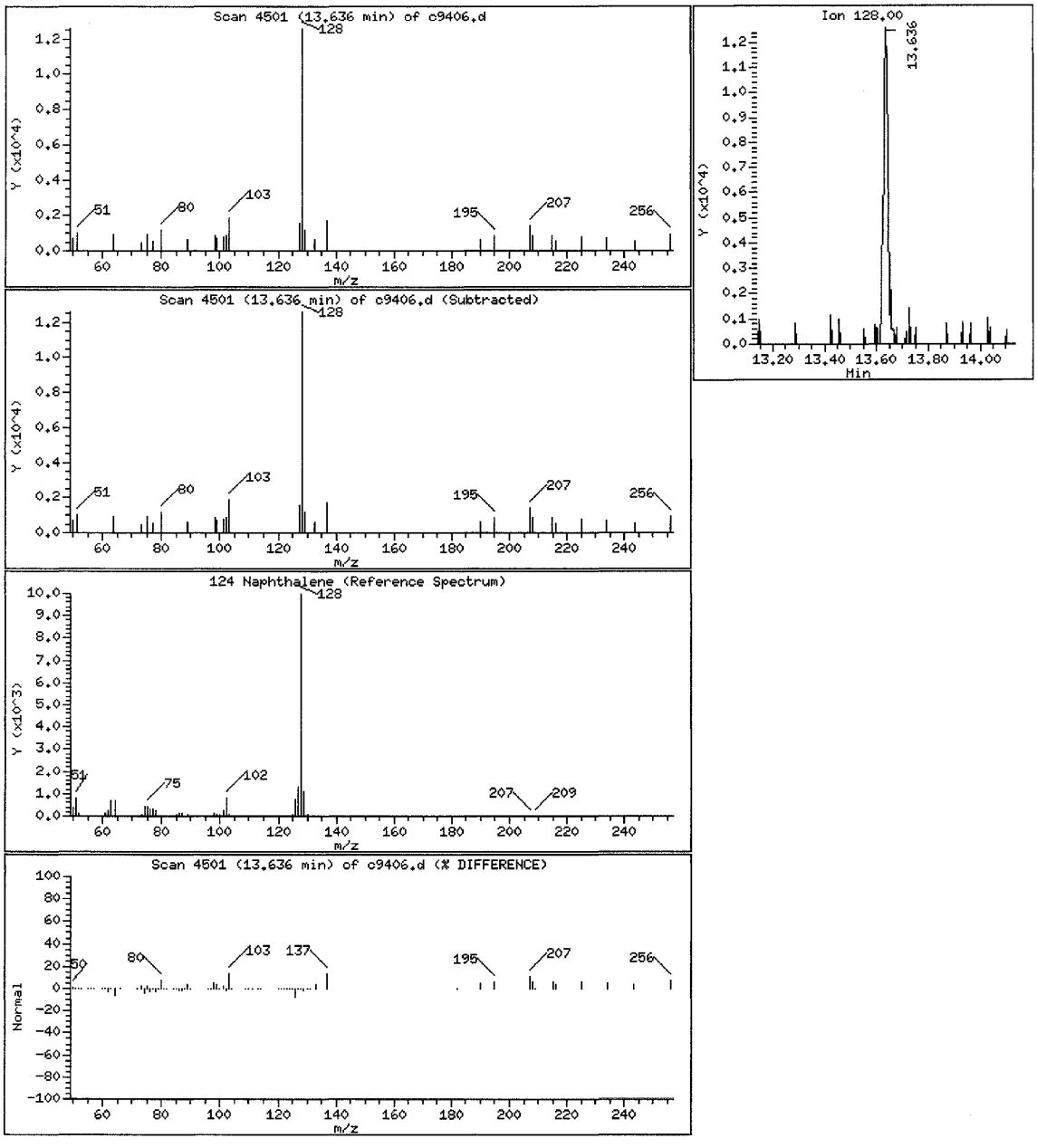
Operator: EGW

Column phase: DB-VRX-20M

Column diameter: 0.18

124 Naphthalene

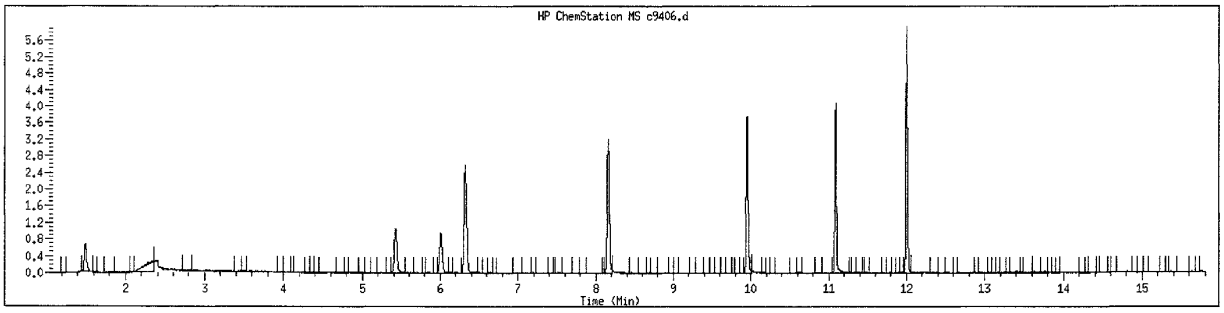
Concentration: 79.9 UG/KG



Data file : /var/chem/msv7.i/2080102.s.b/c9406.d Page: 1
Report Date: 01/03/2008 09:28

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202001 SampleType : SAMPLE
Injection Date: 01/02/2008 12:42 Instrument : msv7.i
Operator : EGW
Sample Info : 20712202001*
Misc Info : MSV~12203~*50*EGW
Method : /var/chem/msv7.i/2080102.s.b/8260bw7C.m
Dilution : 50.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



NO MANUAL INTEGRATIONS

168555

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SS121907-EB

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 20712202014

Level: (low/med) LOW Lab File ID: 2071230/b0059

% Moisture: not dec. Date Collected: 12/19/07 Time: 1530

GC Column: DB-VRX-20M ID: .18 (mm) Date Received: 12/20/07

Instrument ID: MSV9 Date Analyzed: 12/30/07 Time: 1236

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00500	U	0.000086	0.00500
71-55-6	1,1,1-Trichloroethane	0.00500	U	0.000155	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.00500	U	0.000156	0.00500
79-00-5	1,1,2-Trichloroethane	0.00500	U	0.000067	0.00500
75-34-3	1,1-Dichloroethane	0.00500	U	0.000125	0.00500
75-35-4	1,1-Dichloroethene	0.00500	U	0.000226	0.00500
563-58-6	1,1-Dichloropropene	0.00500	U	0.000170	0.00500
96-18-4	1,2,3-Trichloropropane	0.00500	U	0.000151	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.00500	U	0.000413	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.00500	U	0.000079	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.00500	U	0.000181	0.00500
106-93-4	1,2-Dibromoethane	0.00500	U	0.000101	0.00500
95-50-1	1,2-Dichlorobenzene	0.00500	U	0.000112	0.00500
107-06-2	1,2-Dichloroethane	0.00500	U	0.000184	0.00500
540-59-0	1,2-Dichloroethene	0.010	U	0.000267	0.010
78-87-5	1,2-Dichloropropane	0.00500	U	0.000099	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.00500	U	0.000085	0.00500
541-73-1	1,3-Dichlorobenzene	0.00500	U	0.000134	0.00500
142-28-9	1,3-Dichloropropane	0.00500	U	0.000064	0.00500
106-46-7	1,4-Dichlorobenzene	0.00500	U	0.000162	0.00500
594-20-7	2,2-Dichloropropane	0.00500	U	0.000195	0.00500
78-93-3	2-Butanone	0.00500	U	0.000361	0.00500
110-75-8	2-Chloroethylvinyl ether	0.00500	U	0.000547	0.00500
95-49-8	2-Chlorotoluene	0.00500	U	0.000092	0.00500
591-78-6	2-Hexanone	0.00500	U	0.000151	0.00500
106-43-4	4-Chlorotoluene	0.00500	U	0.000106	0.00500
99-87-6	4-Isopropyltoluene	0.00500	U	0.000063	0.00500
108-10-1	4-Methyl-2-pentanone	0.00500	U	0.000088	0.00500
67-64-1	Acetone	0.00213	J	0.000690	0.025
107-02-8	Acrolein	0.025	U	0.00132	0.025
107-13-1	Acrylonitrile	0.025	U	0.000727	0.025

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SS121907-EB

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20712202014

Level: (low/med) LOW

Lab File ID: 2071230/b0059

% Moisture: not dec.

Date Collected: 12/19/07 Time: 1530

GC Column: DB-VRX-20M ID: .18 (mm)

Date Received: 12/20/07

Instrument ID: MSV9

Date Analyzed: 12/30/07 Time: 1236

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
71-43-2	Benzene	0.00500	U	0.000184	0.00500
108-86-1	Bromobenzene	0.00500	U	0.000091	0.00500
75-27-4	Bromodichloromethane	0.00500	U	0.000079	0.00500
75-25-2	Bromoform	0.00500	U	0.000065	0.00500
74-83-9	Bromomethane	0.00500	U	0.000252	0.00500
104-51-8	n-Butylbenzene	0.00500	U	0.000128	0.00500
75-15-0	Carbon disulfide	0.00500	U	0.000099	0.00500
56-23-5	Carbon tetrachloride	0.00500	U	0.000124	0.00500
108-90-7	Chlorobenzene	0.00500	U	0.000051	0.00500
75-00-3	Chloroethane	0.00500	U	0.000060	0.00500
67-66-3	Chloroform	0.00500	U	0.000062	0.00500
74-87-3	Chloromethane	0.00500	U	0.000244	0.00500
110-82-7	Cyclohexane	0.00500	U	0.000101	0.00500
124-48-1	Dibromochloromethane	0.00500	U	0.000050	0.00500
74-95-3	Dibromomethane	0.00500	U	0.000128	0.00500
75-71-8	Dichlorodifluoromethane	0.00500	U	0.000168	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.00500	U	0.000064	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.00500	U	0.000101	0.00500
100-41-4	Ethylbenzene	0.00500	U	0.000077	0.00500
87-68-3	Hexachlorobutadiene	0.00500	U	0.000455	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.00500	U	0.000050	0.00500
79-20-9	Methyl Acetate	0.00500	U	0.000431	0.00500
74-88-4	Methyl iodide	0.00500	U	0.000126	0.00500
108-87-2	Methylcyclohexane	0.00500	U	0.000201	0.00500
75-09-2	Methylene chloride	0.00253	J	0.000104	0.010
91-20-3	Naphthalene	0.00500	U	0.000369	0.00500
100-42-5	Styrene	0.00500	U	0.000050	0.00500
127-18-4	Tetrachloroethene	0.00500	U	0.000080	0.00500
108-88-3	Toluene	0.00500	U	0.000093	0.00500
79-01-6	Trichloroethene	0.00500	U	0.000123	0.00500
75-69-4	Trichlorofluoromethane	0.00500	U	0.000141	0.00500
76-13-1	Trichlorotrifluoroethane	0.00500	U	0.000168	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SS121907-EB

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Level: (low/med) LOW

% Moisture: not dec.

GC Column: DB-VRX-20M ID: .18 (mm)

Instrument ID: MSV9

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20712202014

Lab File ID: 2071230/b0059

Date Collected: 12/19/07 Time: 1530

Date Received: 12/20/07

Date Analyzed: 12/30/07 Time: 1236

Dilution Factor: 1 Analyst: JCK

Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-05-4	Vinyl acetate	0.00500	U	0.000207	0.00500
75-01-4	Vinyl chloride	0.00500	U	0.000163	0.00500
1330-20-7	Xylene (total)	0.010	U	0.000535	0.010
156-59-2	cis-1,2-Dichloroethene	0.00500	U	0.000154	0.00500
136777-61-	m,p-Xylene	0.00500	U	0.000476	0.00500
71-36-3	n-Butyl alcohol	0.025	U	0.025	0.025
103-65-1	n-Propylbenzene	0.00500	U	0.000087	0.00500
95-47-6	o-Xylene	0.00500	U	0.000058	0.00500
135-98-8	sec-Butylbenzene	0.00500	U	0.000082	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00500	U	0.000110	0.00500
98-06-6	tert-Butylbenzene	0.00500	U	0.000065	0.00500
156-60-5	trans-1,2-Dichloroethene	0.00500	U	0.000113	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.00500	U	0.000394	0.00500

GCAL, Inc.

Data file : /var/chem/msv9.i/2071230.s.b/b0059.d
Lab Smp Id: 20712202014
Inj Date : 30-DEC-2007 12:36
Operator : JCK Inst ID: msv9.i
Smp Info : 20712202014*
Misc Info : MSV~12194~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Meth Date : 30-Dec-2007 16:47 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 14:50 Cal File: b0013.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
11 Acetone	43	3.766	3.755	(0.554)	11753	2.12924	2.13	
18 Methylene Chloride	49	4.209	4.209	(0.619)	28486	2.52869	2.53	
$ 39 Dibromofluoromethane	111	6.080	6.078	(0.894)	245700	47.1111	47.1	9429
$ 41 1,2-Dichloroethane-d4	67	6.490	6.488	(0.954)	168206	47.4003	47.4	
* 50 FLUOROBENZENE	96	6.802	6.797	(1.000)	1069817	50.0000		
$ 68 Toluene-d8	98	8.679	8.677	(0.768)	907299	55.8393	55.8	
* 83 CHLOROBENZENE-d5	82	11.298	11.303	(1.000)	396547	50.0000		
$ 97 Bromofluorobenzene	174	13.127	13.119	(1.162)	181061	47.5086	47.5	
* 109 1,4-DICHLOROBENZENE-D4	152	14.393	14.393	(1.000)	257100	50.0000		

Data File: /var/chem/msv9.i/2071230.s.b/b0059.d

Page 1

Date : 30-DEC-2007 12:36

Client ID:

Instrument: msv9.i

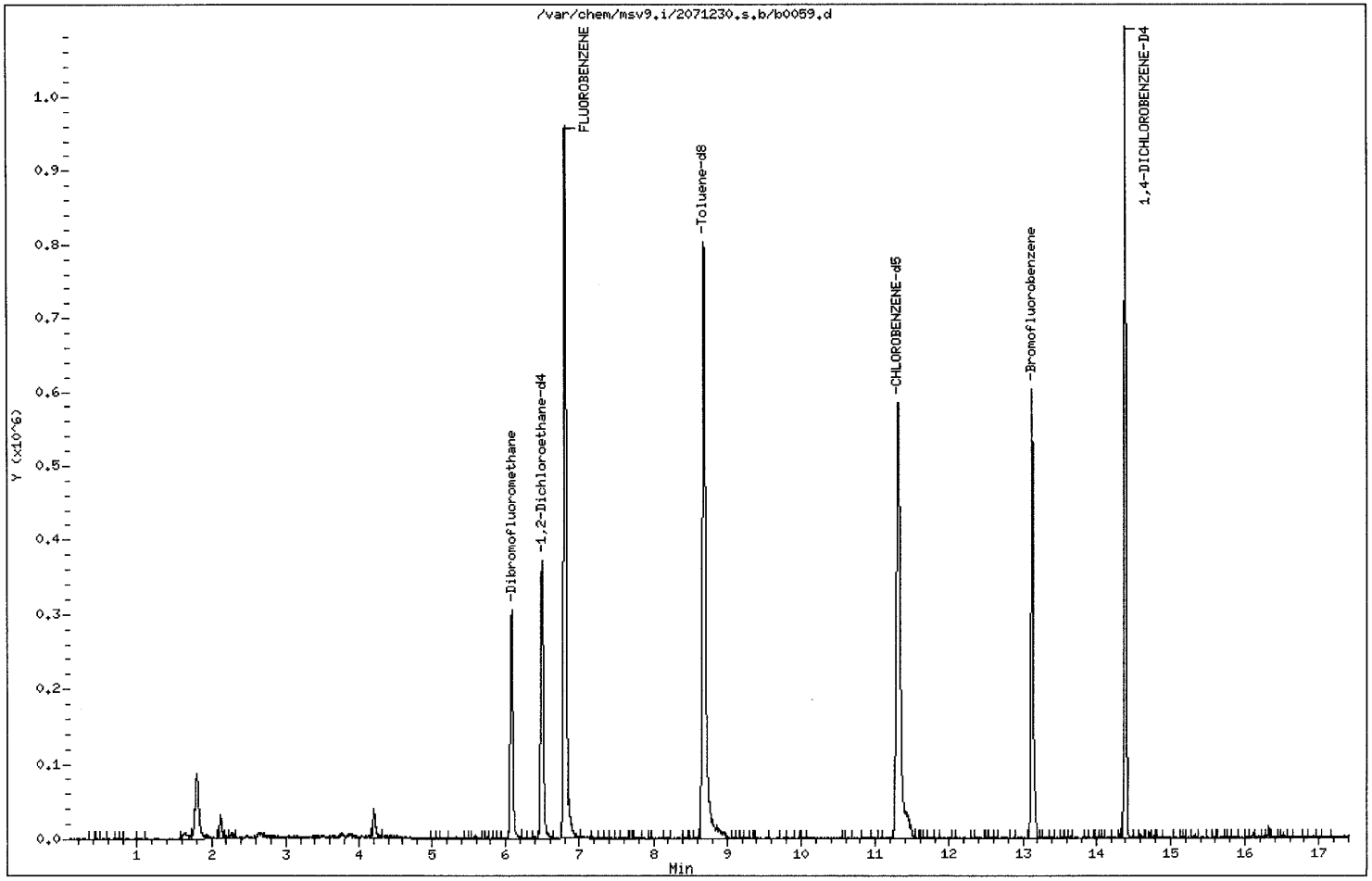
Sample Info: 20712202014*

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-20M

Column diameter: 0.18



Data File: /var/chem/msv9.i/2071230.s.b/b0059.d

Date : 30-DEC-2007 12:36

Client ID:

Instrument: msv9.i

Sample Info: 20712202014*

Purge Volume: 5.0

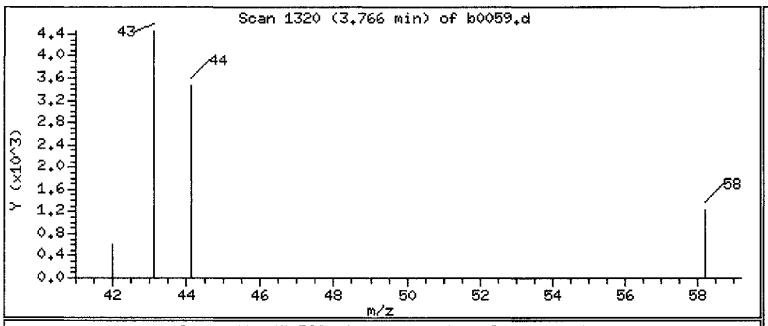
Operator: JCK

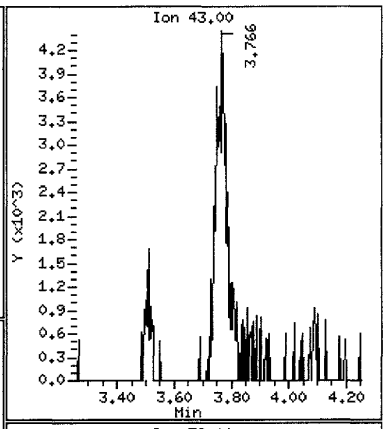
Column phase: DB-VRX-20M

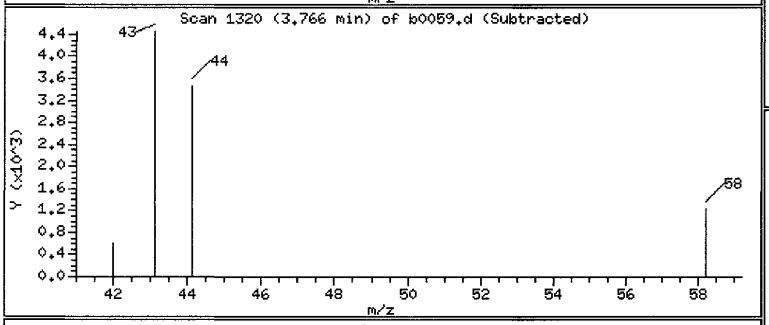
Column diameter: 0.18

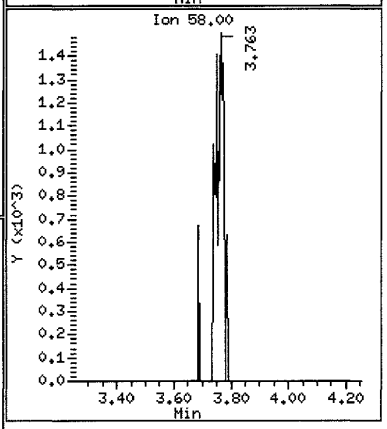
11 Acetone

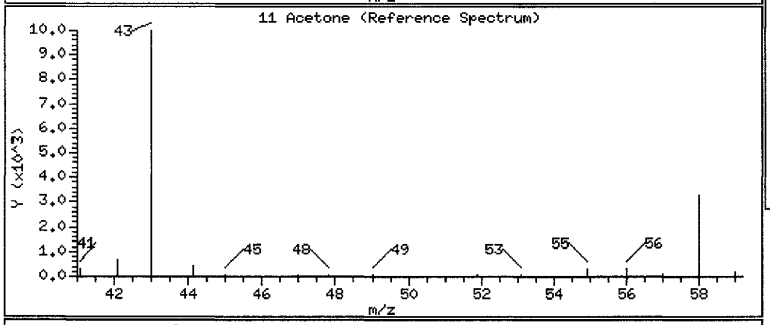
Concentration: 2.13 ug/L

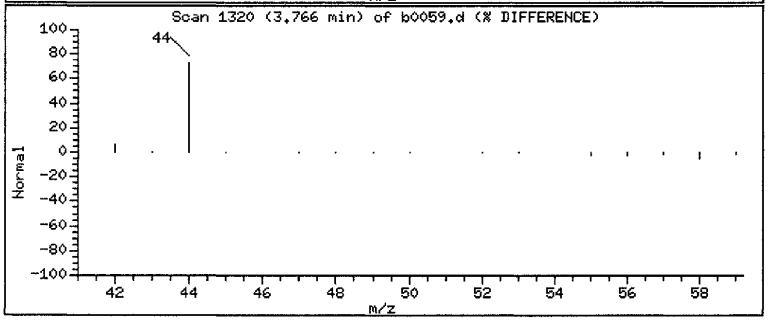












Data File: /var/chem/msv9.i/2071230.s.b/b0059.d

Date : 30-DEC-2007 12:36

Client ID:

Instrument: msv9.i

Sample Info: 20712202014*

Purge Volume: 5.0

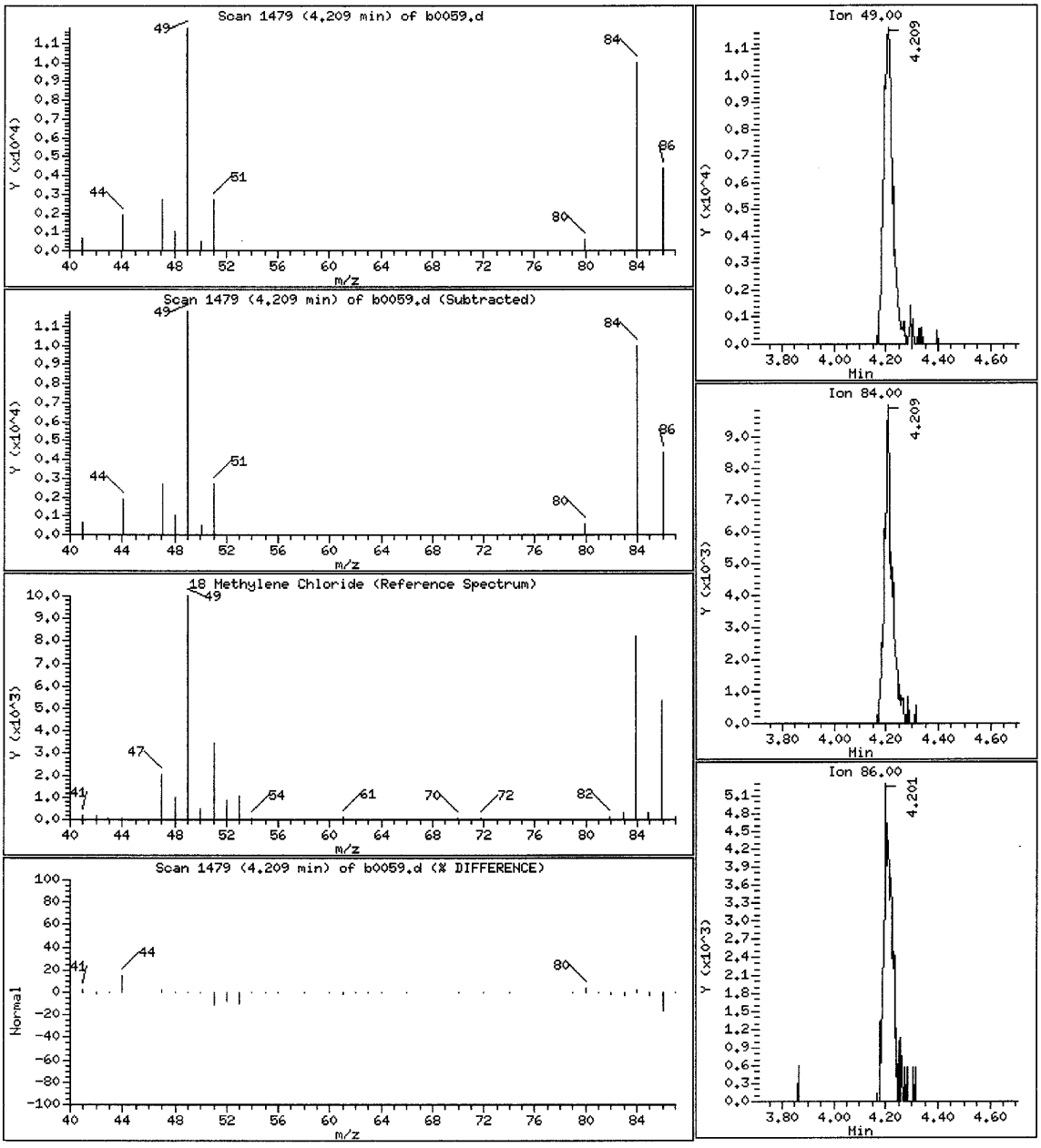
Operator: JCK

Column phase: DB-VRX-20M

Column diameter: 0.18

18 Methylene Chloride

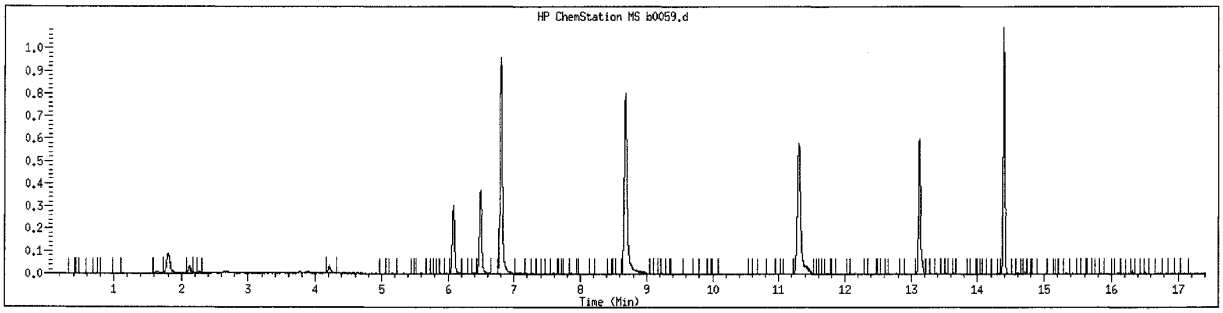
Concentration: 2.53 ug/L



Data file : /var/chem/msv9.i/2071230.s.b/b0059.d Page: 1
Report Date: 12/30/2007 16:53

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202014 SampleType : SAMPLE
Injection Date: 12/30/2007 12:36 Instrument : msv9.i
Operator : JCK
Sample Info : 20712202014*
Misc Info : MSV~12194~*1*JCK
Method : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

168563

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SS121907-FB

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 20712202015

Level: (low/med) LOW Lab File ID: 2071230/b0060

% Moisture: not dec. Date Collected: 12/19/07 Time: 1540

GC Column: DB-VRX-20M ID: .18 (mm) Date Received: 12/20/07

Instrument ID: MSV9 Date Analyzed: 12/30/07 Time: 1259

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00500	U	0.000086	0.00500
71-55-6	1,1,1-Trichloroethane	0.00500	U	0.000155	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.00500	U	0.000156	0.00500
79-00-5	1,1,2-Trichloroethane	0.00500	U	0.000067	0.00500
75-34-3	1,1-Dichloroethane	0.00500	U	0.000125	0.00500
75-35-4	1,1-Dichloroethene	0.00500	U	0.000226	0.00500
563-58-6	1,1-Dichloropropene	0.00500	U	0.000170	0.00500
96-18-4	1,2,3-Trichloropropane	0.00500	U	0.000151	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.00500	U	0.000413	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.00500	U	0.000079	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.00500	U	0.000181	0.00500
106-93-4	1,2-Dibromoethane	0.00500	U	0.000101	0.00500
95-50-1	1,2-Dichlorobenzene	0.00500	U	0.000112	0.00500
107-06-2	1,2-Dichloroethane	0.00500	U	0.000184	0.00500
540-59-0	1,2-Dichloroethene	0.010	U	0.000267	0.010
78-87-5	1,2-Dichloropropane	0.00500	U	0.000099	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.00500	U	0.000085	0.00500
541-73-1	1,3-Dichlorobenzene	0.00500	U	0.000134	0.00500
142-28-9	1,3-Dichloropropane	0.00500	U	0.000064	0.00500
106-46-7	1,4-Dichlorobenzene	0.00500	U	0.000162	0.00500
594-20-7	2,2-Dichloropropane	0.00500	U	0.000195	0.00500
78-93-3	2-Butanone	0.00500	U	0.000361	0.00500
110-75-8	2-Chloroethylvinyl ether	0.00500	U	0.000547	0.00500
95-49-8	2-Chlorotoluene	0.00500	U	0.000092	0.00500
591-78-6	2-Hexanone	0.00500	U	0.000151	0.00500
106-43-4	4-Chlorotoluene	0.00500	U	0.000106	0.00500
99-87-6	4-Isopropyltoluene	0.00500	U	0.000063	0.00500
108-10-1	4-Methyl-2-pentanone	0.00500	U	0.000088	0.00500
67-64-1	Acetone	0.025	U	0.000690	0.025
107-02-8	Acrolein	0.025	U	0.00132	0.025
107-13-1	Acrylonitrile	0.025	U	0.000727	0.025

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SS121907-FB

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20712202015

Level: (low/med) LOW

Lab File ID: 2071230/b0060

% Moisture: not dec.

Date Collected: 12/19/07 Time: 1540

GC Column: DB-VRX-20M ID: .18 (mm)

Date Received: 12/20/07

Instrument ID: MSV9

Date Analyzed: 12/30/07 Time: 1259

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
71-43-2	Benzene	0.00500	U	0.000184	0.00500
108-86-1	Bromobenzene	0.00500	U	0.000091	0.00500
75-27-4	Bromodichloromethane	0.00500	U	0.000079	0.00500
75-25-2	Bromoform	0.00500	U	0.000065	0.00500
74-83-9	Bromomethane	0.00500	U	0.000252	0.00500
104-51-8	n-Butylbenzene	0.00500	U	0.000128	0.00500
75-15-0	Carbon disulfide	0.00500	U	0.000099	0.00500
56-23-5	Carbon tetrachloride	0.00500	U	0.000124	0.00500
108-90-7	Chlorobenzene	0.00500	U	0.000051	0.00500
75-00-3	Chloroethane	0.00500	U	0.000060	0.00500
67-66-3	Chloroform	0.00500	U	0.000062	0.00500
74-87-3	Chloromethane	0.00500	U	0.000244	0.00500
110-82-7	Cyclohexane	0.00500	U	0.000101	0.00500
124-48-1	Dibromochloromethane	0.00500	U	0.000050	0.00500
74-95-3	Dibromomethane	0.00500	U	0.000128	0.00500
75-71-8	Dichlorodifluoromethane	0.00500	U	0.000168	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.00500	U	0.000064	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.00500	U	0.000101	0.00500
100-41-4	Ethylbenzene	0.00500	U	0.000077	0.00500
87-68-3	Hexachlorobutadiene	0.00500	U	0.000455	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.00500	U	0.000050	0.00500
79-20-9	Methyl Acetate	0.00500	U	0.000431	0.00500
74-88-4	Methyl iodide	0.00500	U	0.000126	0.00500
108-87-2	Methylcyclohexane	0.00500	U	0.000201	0.00500
75-09-2	Methylene chloride	0.010	U	0.000104	0.010
91-20-3	Naphthalene	0.00500	U	0.000369	0.00500
100-42-5	Styrene	0.00500	U	0.000050	0.00500
127-18-4	Tetrachloroethene	0.00500	U	0.000080	0.00500
108-88-3	Toluene	0.00500	U	0.000093	0.00500
79-01-6	Trichloroethene	0.00500	U	0.000123	0.00500
75-69-4	Trichlorofluoromethane	0.00500	U	0.000141	0.00500
76-13-1	Trichlorotrifluoroethane	0.00500	U	0.000168	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SS121907-FB

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20712202015

Level: (low/med) LOW

Lab File ID: 2071230/b0060

% Moisture: not dec.

Date Collected: 12/19/07 Time: 1540

GC Column: DB-VRX-20M ID: .18 (mm)

Date Received: 12/20/07

Instrument ID: MSV9

Date Analyzed: 12/30/07 Time: 1259

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-05-4	Vinyl acetate	0.00500	U	0.000207	0.00500
75-01-4	Vinyl chloride	0.00500	U	0.000163	0.00500
1330-20-7	Xylene (total)	0.010	U	0.000535	0.010
156-59-2	cis-1,2-Dichloroethene	0.00500	U	0.000154	0.00500
136777-61-	m,p-Xylene	0.00500	U	0.000476	0.00500
71-36-3	n-Butyl alcohol	0.025	U	0.025	0.025
103-65-1	n-Propylbenzene	0.00500	U	0.000087	0.00500
95-47-6	o-Xylene	0.00500	U	0.000058	0.00500
135-98-8	sec-Butylbenzene	0.00500	U	0.000082	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00500	U	0.000110	0.00500
98-06-6	tert-Butylbenzene	0.00500	U	0.000065	0.00500
156-60-5	trans-1,2-Dichloroethene	0.00500	U	0.000113	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.00500	U	0.000394	0.00500

GCAL, Inc.

Data file : /var/chem/msv9.i/2071230.s.b/b0060.d
Lab Smp Id: 20712202015
Inj Date : 30-DEC-2007 12:59
Operator : JCK Inst ID: msv9.i
Smp Info : 20712202015*
Misc Info : MSV~12194~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Meth Date : 30-Dec-2007 17:06 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 14:50 Cal File: b0013.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
$ 39 Dibromofluoromethane	111	6.077	6.078	(0.894)	245797	46.9123	46.9	9291
$ 41 1,2-Dichloroethane-d4	67	6.487	6.488	(0.954)	166400	46.6751	46.7	
* 50 FLUOROBENZENE	96	6.797	6.797	(1.000)	1074775	50.0000		
$ 68 Toluene-d8	98	8.679	8.677	(0.768)	879292	55.2780	55.3	
* 83 CHLOROBENZENE-d5	82	11.301	11.303	(1.000)	388209	50.0000		
$ 97 Bromofluorobenzene	174	13.124	13.119	(1.161)	173651	46.5429	46.5	
* 109 1,4-DICHLOROBENZENE-D4	152	14.390	14.393	(1.000)	251859	50.0000		

168567

Data File: /var/chem/msv9.i/2071230.s.b/b0060.d

Page 1

Date : 30-DEC-2007 12:59

Client ID:

Instrument: msv9.i

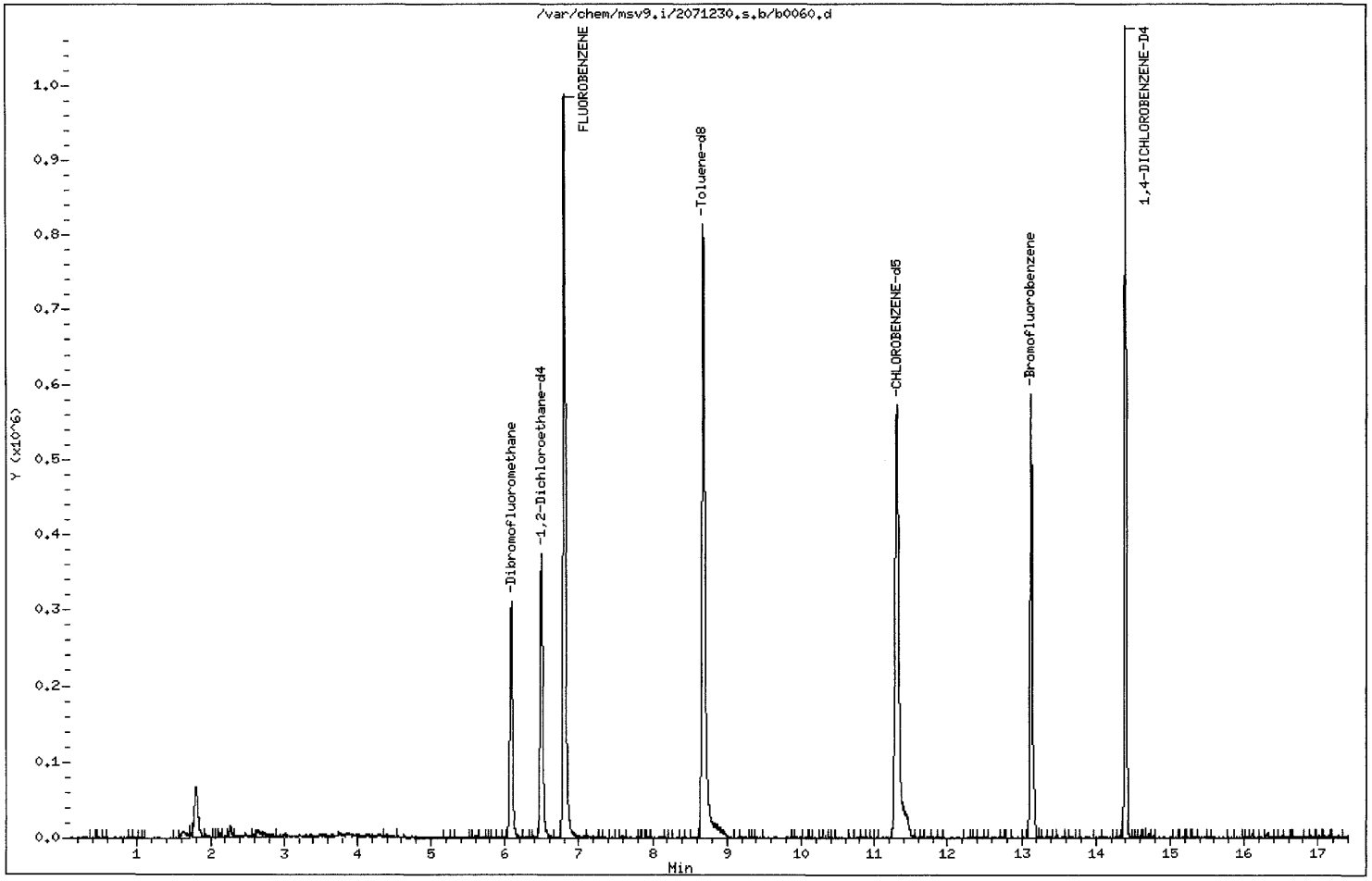
Sample Info: 20712202015*

Operator: JCK

Purge Volume: 5.0

Column phase: DB-VRX-20M

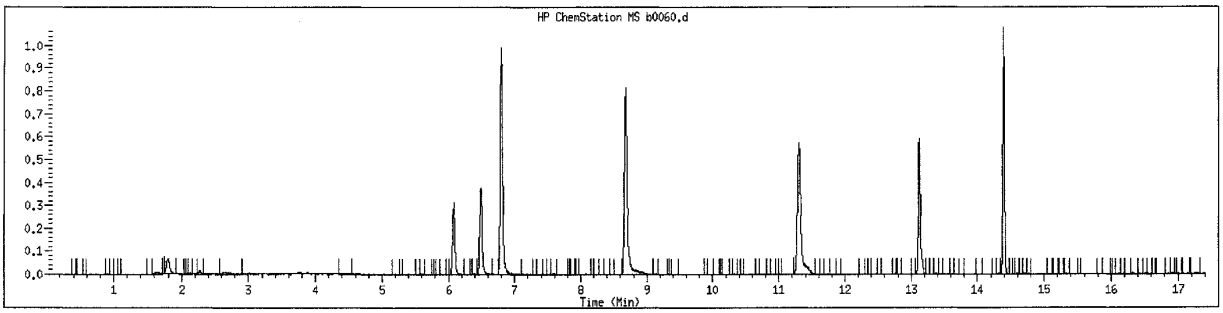
Column diameter: 0.18



Data file : /var/chem/msv9.i/2071230.s.b/b0060.d Page: 1
Report Date: 12/31/2007 07:50

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202015 SampleType : SAMPLE
Injection Date: 12/30/2007 12:59 Instrument : msv9.i
Operator : JCK
Sample Info : 20712202015*
Misc Info : MSV~12194~*1*JCK
Method : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

168569

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-2

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20712202016

Level: (low/med) LOW

Lab File ID: 2071230/b0061

% Moisture: not dec.

Date Collected: 12/19/07 Time: 0000

GC Column: DB-VRX-20M ID: .18 (mm)

Date Received: 12/20/07

Instrument ID: MSV9

Date Analyzed: 12/30/07 Time: 1322

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00500	U	0.000086	0.00500
71-55-6	1,1,1-Trichloroethane	0.00500	U	0.000155	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.00500	U	0.000156	0.00500
79-00-5	1,1,2-Trichloroethane	0.00500	U	0.000067	0.00500
75-34-3	1,1-Dichloroethane	0.00500	U	0.000125	0.00500
75-35-4	1,1-Dichloroethene	0.00500	U	0.000226	0.00500
563-58-6	1,1-Dichloropropene	0.00500	U	0.000170	0.00500
96-18-4	1,2,3-Trichloropropane	0.00500	U	0.000151	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.00500	U	0.000413	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.00500	U	0.000079	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.00500	U	0.000181	0.00500
106-93-4	1,2-Dibromoethane	0.00500	U	0.000101	0.00500
95-50-1	1,2-Dichlorobenzene	0.00500	U	0.000112	0.00500
107-06-2	1,2-Dichloroethane	0.00500	U	0.000184	0.00500
540-59-0	1,2-Dichloroethene	0.010	U	0.000267	0.010
78-87-5	1,2-Dichloropropane	0.00500	U	0.000099	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.00500	U	0.000085	0.00500
541-73-1	1,3-Dichlorobenzene	0.00500	U	0.000134	0.00500
142-28-9	1,3-Dichloropropane	0.00500	U	0.000064	0.00500
106-46-7	1,4-Dichlorobenzene	0.00500	U	0.000162	0.00500
594-20-7	2,2-Dichloropropane	0.00500	U	0.000195	0.00500
78-93-3	2-Butanone	0.00500	U	0.000361	0.00500
110-75-8	2-Chloroethylvinyl ether	0.00500	U	0.000547	0.00500
95-49-8	2-Chlorotoluene	0.00500	U	0.000092	0.00500
591-78-6	2-Hexanone	0.00500	U	0.000151	0.00500
106-43-4	4-Chlorotoluene	0.00500	U	0.000106	0.00500
99-87-6	4-Isopropyltoluene	0.00500	U	0.000063	0.00500
108-10-1	4-Methyl-2-pentanone	0.00500	U	0.000088	0.00500
67-64-1	Acetone	0.00168	J	0.000690	0.025
107-02-8	Acrolein	0.025	U	0.00132	0.025
107-13-1	Acrylonitrile	0.025	U	0.000727	0.025

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-2

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 20712202016

Level: (low/med) LOW Lab File ID: 2071230/b0061

% Moisture: not dec. Date Collected: 12/19/07 Time: 0000

GC Column: DB-VRX-20M ID: .18 (mm) Date Received: 12/20/07

Instrument ID: MSV9 Date Analyzed: 12/30/07 Time: 1322

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
71-43-2	Benzene	0.00500	U	0.000184	0.00500
108-86-1	Bromobenzene	0.00500	U	0.000091	0.00500
75-27-4	Bromodichloromethane	0.00500	U	0.000079	0.00500
75-25-2	Bromoform	0.00500	U	0.000065	0.00500
74-83-9	Bromomethane	0.00500	U	0.000252	0.00500
104-51-8	n-Butylbenzene	0.00500	U	0.000128	0.00500
75-15-0	Carbon disulfide	0.00500	U	0.000099	0.00500
56-23-5	Carbon tetrachloride	0.00500	U	0.000124	0.00500
108-90-7	Chlorobenzene	0.00500	U	0.000051	0.00500
75-00-3	Chloroethane	0.00500	U	0.000060	0.00500
67-66-3	Chloroform	0.00500	U	0.000062	0.00500
74-87-3	Chloromethane	0.00500	U	0.000244	0.00500
110-82-7	Cyclohexane	0.00500	U	0.000101	0.00500
124-48-1	Dibromochloromethane	0.00500	U	0.000050	0.00500
74-95-3	Dibromomethane	0.00500	U	0.000128	0.00500
75-71-8	Dichlorodifluoromethane	0.00500	U	0.000168	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.00500	U	0.000064	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.00500	U	0.000101	0.00500
100-41-4	Ethylbenzene	0.00500	U	0.000077	0.00500
87-68-3	Hexachlorobutadiene	0.00500	U	0.000455	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.00500	U	0.000050	0.00500
79-20-9	Methyl Acetate	0.00500	U	0.000431	0.00500
74-88-4	Methyl iodide	0.00500	U	0.000126	0.00500
108-87-2	Methylcyclohexane	0.00500	U	0.000201	0.00500
75-09-2	Methylene chloride	0.00147	J	0.000104	0.010
91-20-3	Naphthalene	0.00500	U	0.000369	0.00500
100-42-5	Styrene	0.00500	U	0.000050	0.00500
127-18-4	Tetrachloroethene	0.00500	U	0.000080	0.00500
108-88-3	Toluene	0.00500	U	0.000093	0.00500
79-01-6	Trichloroethene	0.00500	U	0.000123	0.00500
75-69-4	Trichlorofluoromethane	0.00500	U	0.000141	0.00500
76-13-1	Trichlorotrifluoroethane	0.00500	U	0.000168	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-2

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Level: (low/med) LOW

% Moisture: not dec.

GC Column: DB-VRX-20M ID: .18 (mm)

Instrument ID: MSV9

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20712202016

Lab File ID: 2071230/b0061

Date Collected: 12/19/07 Time: 0000

Date Received: 12/20/07

Date Analyzed: 12/30/07 Time: 1322

Dilution Factor: 1 Analyst: JCK

Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-05-4	Vinyl acetate	0.00500	U	0.000207	0.00500
75-01-4	Vinyl chloride	0.00500	U	0.000163	0.00500
1330-20-7	Xylene (total)	0.010	U	0.000535	0.010
156-59-2	cis-1,2-Dichloroethene	0.00500	U	0.000154	0.00500
136777-61-	m,p-Xylene	0.00500	U	0.000476	0.00500
71-36-3	n-Butyl alcohol	0.025	U	0.025	0.025
103-65-1	n-Propylbenzene	0.00500	U	0.000087	0.00500
95-47-6	o-Xylene	0.00500	U	0.000058	0.00500
135-98-8	sec-Butylbenzene	0.00500	U	0.000082	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00500	U	0.000110	0.00500
98-06-6	tert-Butylbenzene	0.00500	U	0.000065	0.00500
156-60-5	trans-1,2-Dichloroethene	0.00500	U	0.000113	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.00500	U	0.000394	0.00500

GCAL, Inc.

Data file : /var/chem/msv9.i/2071230.s.b/b0061.d
Lab Smp Id: 20712202016
Inj Date : 30-DEC-2007 13:22
Operator : JCK Inst ID: msv9.i
Smp Info : 20712202016*
Misc Info : MSV~12194~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Meth Date : 30-Dec-2007 16:47 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 14:50 Cal File: b0013.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
11 Acetone	43	3.752	3.755	(0.552)	8915	1.68298	1.68	
18 Methylene Chloride	49	4.206	4.209	(0.619)	15910	1.47169	1.47	
$ 39 Dibromofluoromethane	111	6.077	6.078	(0.894)	233310	46.6159	46.6	9357
$ 41 1,2-Dichloroethane-d4	67	6.490	6.488	(0.955)	162102	47.6004	47.6	
* 50 FLUOROBENZENE	96	6.797	6.797	(1.000)	1026661	50.0000		
$ 68 Toluene-d8	98	8.679	8.677	(0.768)	849275	54.9987	55.0	
* 83 CHLOROBENZENE-d5	82	11.301	11.303	(1.000)	376860	50.0000		
$ 97 Bromofluorobenzene	174	13.124	13.119	(1.161)	162706	44.9226	44.9	
* 109 1,4-DICHLOROBENZENE-D4	152	14.390	14.393	(1.000)	238976	50.0000		

168573

Data File: /var/chem/msv9.i/2071230.s.b/b0061.d

Date : 30-DEC-2007 13:22

Client ID:

Sample Info: 20712202016*

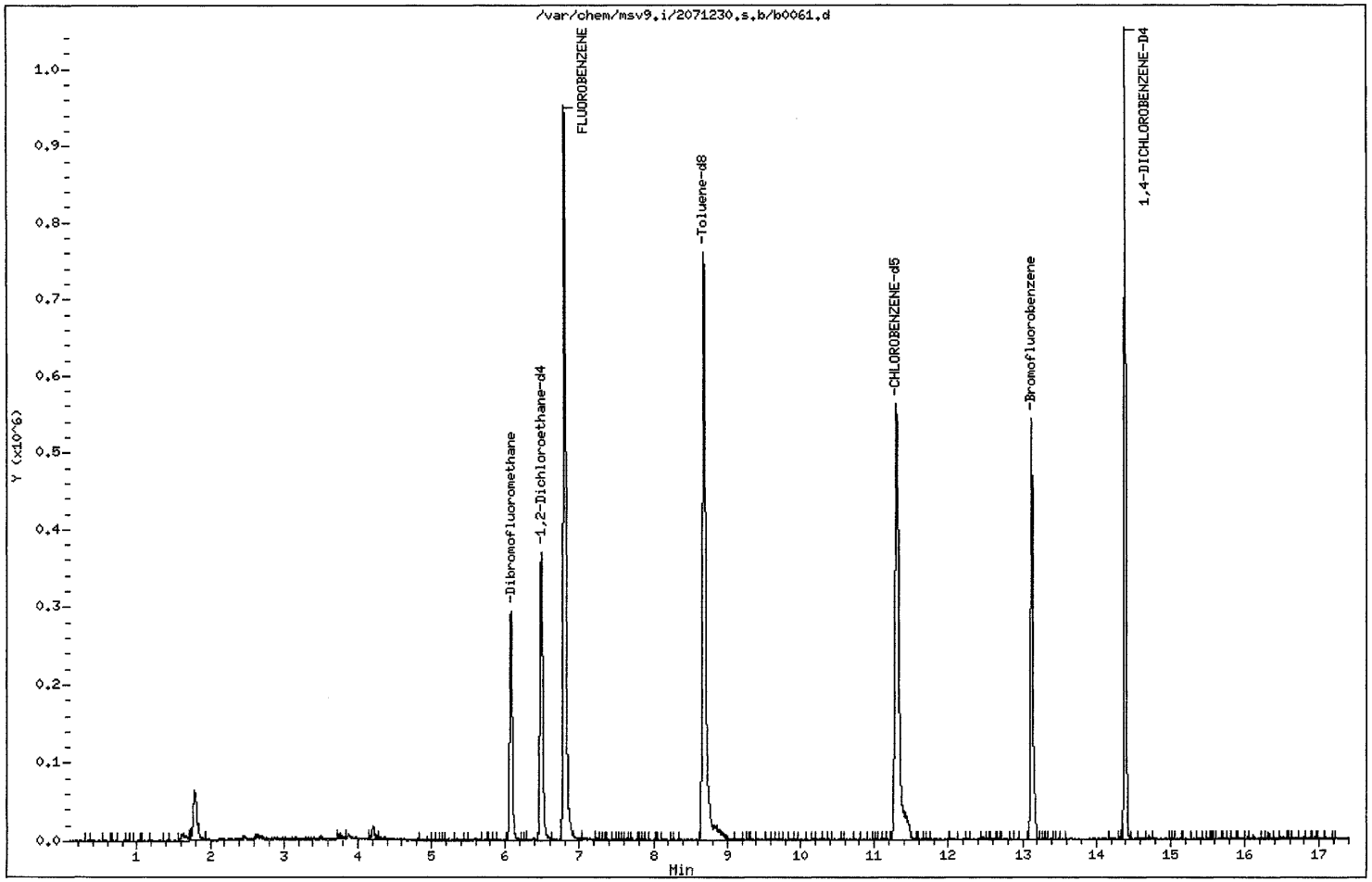
Purge Volume: 5.0

Column phase: DB-VRX-20M

Instrument: msv9.i

Operator: JCK

Column diameter: 0.18



Data File: /var/chem/msv9.i/2071230.s.b/b0061.d

Date : 30-DEC-2007 13:22

Client ID:

Instrument: msv9.i

Sample Info: 20712202016*

Purge Volume: 5.0

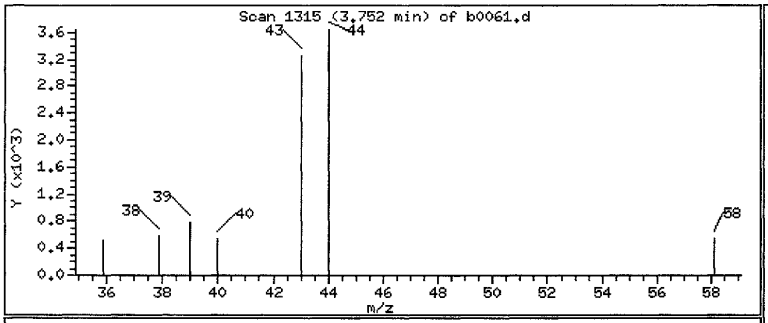
Operator: JCK

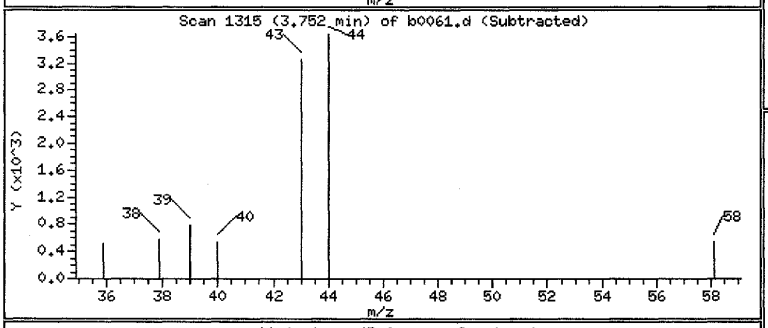
Column phase: DB-VRX-20M

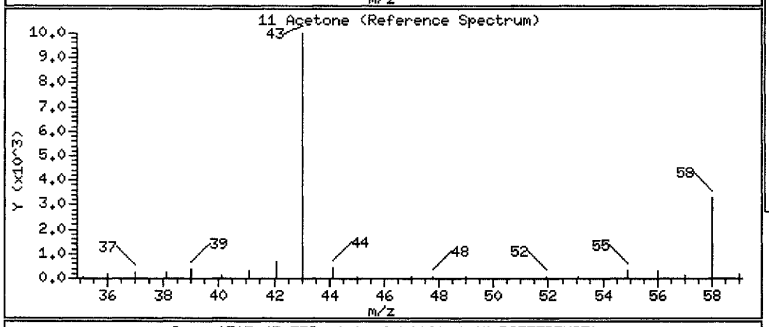
Column diameter: 0.18

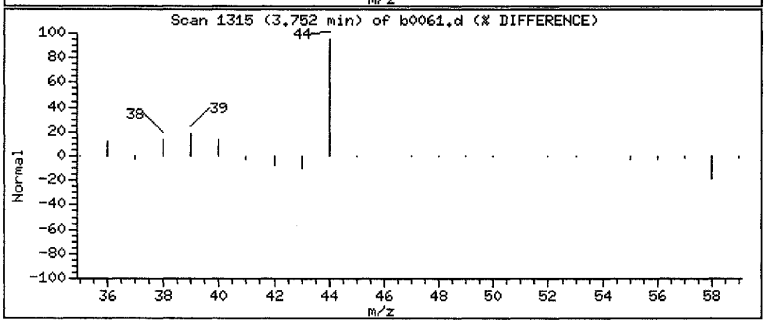
11 Acetone

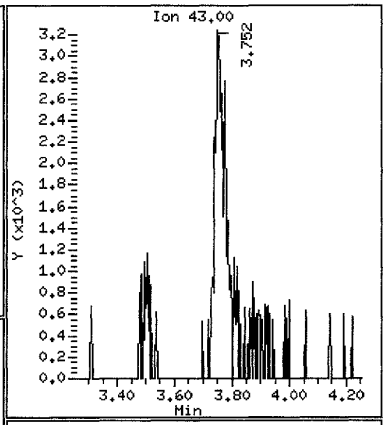
Concentration: 1.68 ug/L

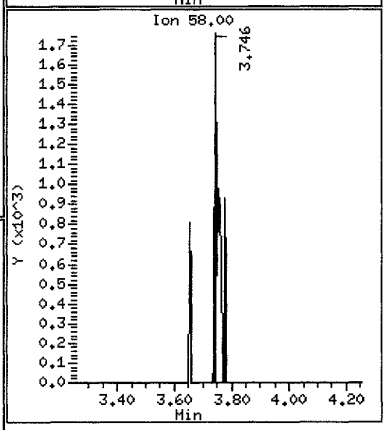












Data File: /var/chem/msv9.i/2071230.s.b/b0061.d

Date : 30-DEC-2007 13:22

Client ID:

Instrument: msv9.i

Sample Info: 20712202016x

Purge Volume: 5.0

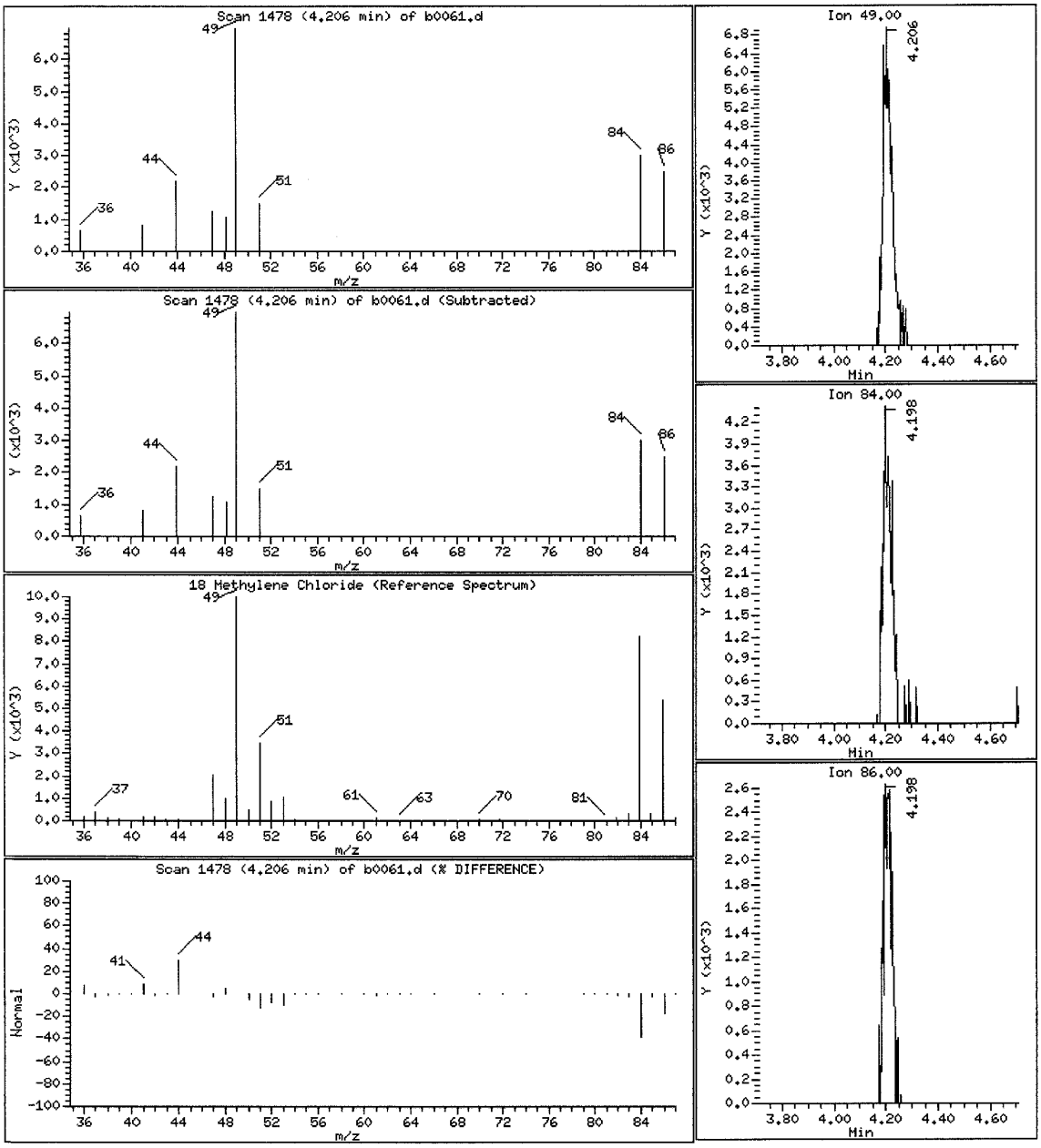
Operator: JCK

Column phase: DB-VRX-20M

Column diameter: 0.18

18 Methylene Chloride

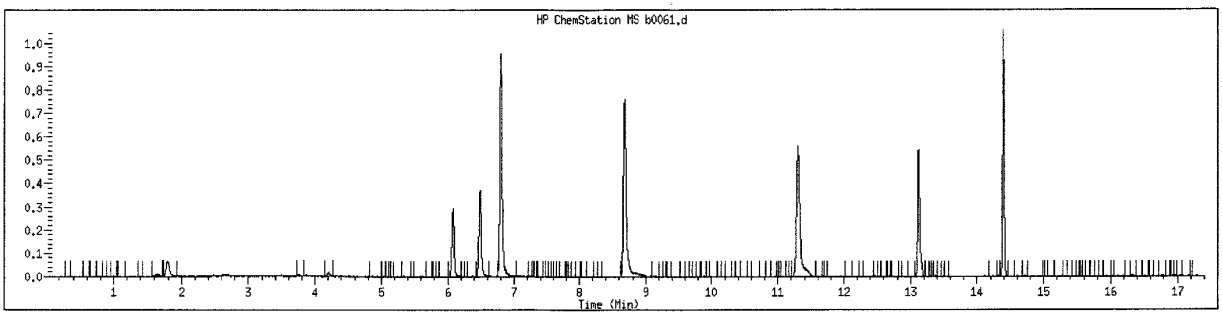
Concentration: 1.47 ug/L



Data file : /var/chem/msv9.i/2071230.s.b/b0061.d Page: 1
Report Date: 12/30/2007 16:55

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202016 SampleType : SAMPLE
Injection Date: 12/30/2007 13:22 Instrument : msv9.i
Operator : JCK
Sample Info : 20712202016*
Misc Info : MSV~12194~*1*JCK
Method : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-3

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20712202017

Level: (low/med) LOW

Lab File ID: 2071230/b0062

% Moisture: not dec.

Date Collected: 12/19/07 Time: 0000

GC Column: DB-VRX-20M ID: .18 (mm)

Date Received: 12/20/07

Instrument ID: MSV9

Date Analyzed: 12/30/07 Time: 1345

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00500	U	0.000086	0.00500
71-55-6	1,1,1-Trichloroethane	0.00500	U	0.000155	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.00500	U	0.000156	0.00500
79-00-5	1,1,2-Trichloroethane	0.00500	U	0.000067	0.00500
75-34-3	1,1-Dichloroethane	0.00500	U	0.000125	0.00500
75-35-4	1,1-Dichloroethene	0.00500	U	0.000226	0.00500
563-58-6	1,1-Dichloropropene	0.00500	U	0.000170	0.00500
96-18-4	1,2,3-Trichloropropane	0.00500	U	0.000151	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.00500	U	0.000413	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.00500	U	0.000079	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.00500	U	0.000181	0.00500
106-93-4	1,2-Dibromoethane	0.00500	U	0.000101	0.00500
95-50-1	1,2-Dichlorobenzene	0.00500	U	0.000112	0.00500
107-06-2	1,2-Dichloroethane	0.00500	U	0.000184	0.00500
540-59-0	1,2-Dichloroethene	0.010	U	0.000267	0.010
78-87-5	1,2-Dichloropropane	0.00500	U	0.000099	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.00500	U	0.000085	0.00500
541-73-1	1,3-Dichlorobenzene	0.00500	U	0.000134	0.00500
142-28-9	1,3-Dichloropropane	0.00500	U	0.000064	0.00500
106-46-7	1,4-Dichlorobenzene	0.00500	U	0.000162	0.00500
594-20-7	2,2-Dichloropropane	0.00500	U	0.000195	0.00500
78-93-3	2-Butanone	0.00500	U	0.000361	0.00500
110-75-8	2-Chloroethylvinyl ether	0.00500	U	0.000547	0.00500
95-49-8	2-Chlorotoluene	0.00500	U	0.000092	0.00500
591-78-6	2-Hexanone	0.00500	U	0.000151	0.00500
106-43-4	4-Chlorotoluene	0.00500	U	0.000106	0.00500
99-87-6	4-Isopropyltoluene	0.00500	U	0.000063	0.00500
108-10-1	4-Methyl-2-pentanone	0.00500	U	0.000088	0.00500
67-64-1	Acetone	0.025	U	0.000690	0.025
107-02-8	Acrolein	0.025	U	0.00132	0.025
107-13-1	Acrylonitrile	0.025	U	0.000727	0.025

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-3

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20712202017

Level: (low/med) LOW

Lab File ID: 2071230/b0062

% Moisture: not dec.

Date Collected: 12/19/07 Time: 0000

GC Column: DB-VRX-20M ID: .18 (mm)

Date Received: 12/20/07

Instrument ID: MSV9

Date Analyzed: 12/30/07 Time: 1345

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
71-43-2	Benzene	0.00500	U	0.000184	0.00500
108-86-1	Bromobenzene	0.00500	U	0.000091	0.00500
75-27-4	Bromodichloromethane	0.00500	U	0.000079	0.00500
75-25-2	Bromoform	0.00500	U	0.000065	0.00500
74-83-9	Bromomethane	0.00500	U	0.000252	0.00500
104-51-8	n-Butylbenzene	0.00500	U	0.000128	0.00500
75-15-0	Carbon disulfide	0.00500	U	0.000099	0.00500
56-23-5	Carbon tetrachloride	0.00500	U	0.000124	0.00500
108-90-7	Chlorobenzene	0.00500	U	0.000051	0.00500
75-00-3	Chloroethane	0.00500	U	0.000060	0.00500
67-66-3	Chloroform	0.00500	U	0.000062	0.00500
74-87-3	Chloromethane	0.00500	U	0.000244	0.00500
110-82-7	Cyclohexane	0.00500	U	0.000101	0.00500
124-48-1	Dibromochloromethane	0.00500	U	0.000050	0.00500
74-95-3	Dibromomethane	0.00500	U	0.000128	0.00500
75-71-8	Dichlorodifluoromethane	0.00500	U	0.000168	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.00500	U	0.000064	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.00500	U	0.000101	0.00500
100-41-4	Ethylbenzene	0.00500	U	0.000077	0.00500
87-68-3	Hexachlorobutadiene	0.00500	U	0.000455	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.00500	U	0.000050	0.00500
79-20-9	Methyl Acetate	0.00500	U	0.000431	0.00500
74-88-4	Methyl iodide	0.00500	U	0.000126	0.00500
108-87-2	Methylcyclohexane	0.00500	U	0.000201	0.00500
75-09-2	Methylene chloride	0.010	U	0.000104	0.010
91-20-3	Naphthalene	0.00500	U	0.000369	0.00500
100-42-5	Styrene	0.00500	U	0.000050	0.00500
127-18-4	Tetrachloroethene	0.00500	U	0.000080	0.00500
108-88-3	Toluene	0.00500	U	0.000093	0.00500
79-01-6	Trichloroethene	0.00500	U	0.000123	0.00500
75-69-4	Trichlorofluoromethane	0.00500	U	0.000141	0.00500
76-13-1	Trichlorotrifluoroethane	0.00500	U	0.000168	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-3

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20712202017

Level: (low/med) LOW

Lab File ID: 2071230/b0062

% Moisture: not dec.

Date Collected: 12/19/07 Time: 0000

GC Column: DB-VRX-20M ID: .18 (mm)

Date Received: 12/20/07

Instrument ID: MSV9

Date Analyzed: 12/30/07 Time: 1345

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-05-4	Vinyl acetate	0.00500	U	0.000207	0.00500
75-01-4	Vinyl chloride	0.00500	U	0.000163	0.00500
1330-20-7	Xylene (total)	0.010	U	0.000535	0.010
156-59-2	cis-1,2-Dichloroethene	0.00500	U	0.000154	0.00500
136777-61-	m,p-Xylene	0.00500	U	0.000476	0.00500
71-36-3	n-Butyl alcohol	0.025	U	0.025	0.025
103-65-1	n-Propylbenzene	0.00500	U	0.000087	0.00500
95-47-6	o-Xylene	0.00500	U	0.000058	0.00500
135-98-8	sec-Butylbenzene	0.00500	U	0.000082	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00500	U	0.000110	0.00500
98-06-6	tert-Butylbenzene	0.00500	U	0.000065	0.00500
156-60-5	trans-1,2-Dichloroethene	0.00500	U	0.000113	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.00500	U	0.000394	0.00500

GCAL, Inc.

Data file : /var/chem/msv9.i/2071230.s.b/b0062.d
Lab Smp Id: 20712202017
Inj Date : 30-DEC-2007 13:45
Operator : JCK Inst ID: msv9.i
Smp Info : 20712202017*
Misc Info : MSV~12194~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Meth Date : 30-Dec-2007 16:47 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 14:50 Cal File: b0013.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
$ 39 Dibromofluoromethane	111	6.078	6.078	(0.894)	232439	47.1960	47.2	9369
$ 41 1,2-Dichloroethane-d4	67	6.488	6.488	(0.954)	159108	47.4799	47.5	
* 50 FLUOROBENZENE	96	6.797	6.797	(1.000)	1010256	50.0000		
$ 68 Toluene-d8	98	8.679	8.677	(0.768)	838568	57.0299	57.0	
* 83 CHLOROBENZENE-d5	82	11.304	11.303	(1.000)	358856	50.0000		
$ 97 Bromofluorobenzene	174	13.119	13.119	(1.161)	158705	46.0164	46.0	
* 109 1,4-DICHLOROBENZENE-D4	152	14.393	14.393	(1.000)	238220	50.0000		

Data File: /var/chem/msv9.i/2071230.s.b/b0062.d

Page 1

Date : 30-DEC-2007 13:45

Client ID:

Instrument: msv9.i

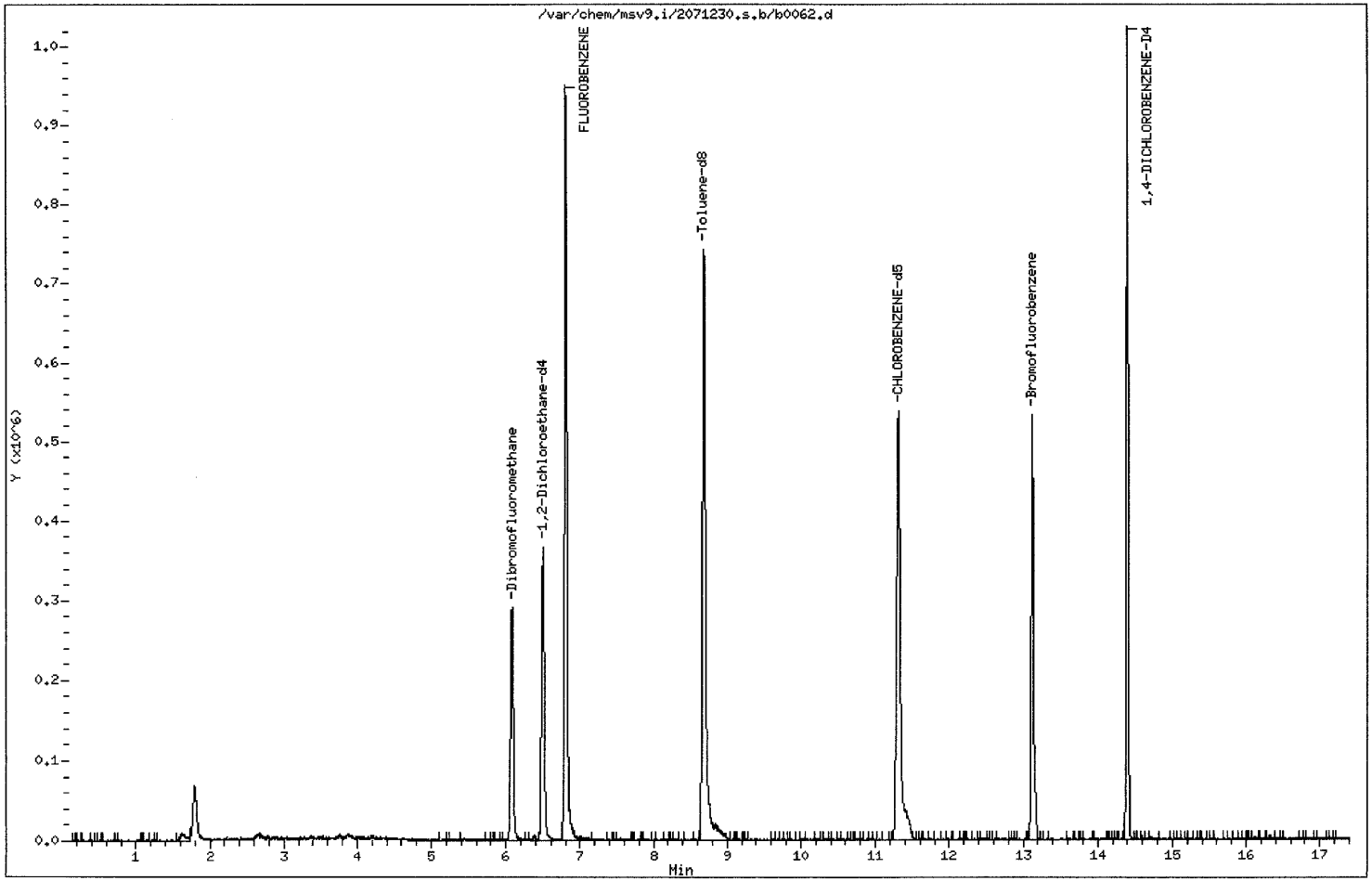
Sample Info: 20712202017*

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-20M

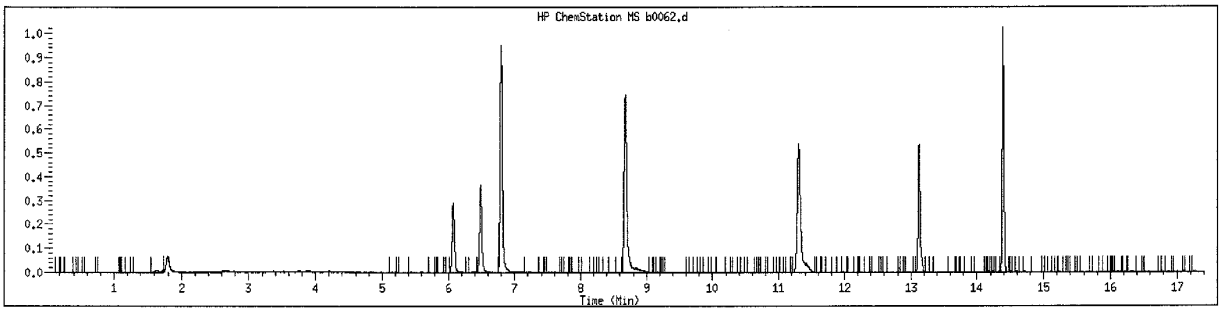
Column diameter: 0.18



Data file : /var/chem/msv9.i/2071230.s.b/b0062.d Page: 1
Report Date: 12/30/2007 16:56

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202017 SampleType : SAMPLE
Injection Date: 12/30/2007 13:45 Instrument : msv9.i
Operator : JCK
Sample Info : 20712202017*
Misc Info : MSV~12194~*1*JCK
Method : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

168583

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2007 14:56
End Cal Date : 30-DEC-2007 13:52
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2071230.b/8260Bs0.m
Cal Date : 09-Jan-2008 13:40 rjo

Calibration File Names:
Level 1: /var/chem/msv0.i/2071211q.b/x1336.d
Level 2: /var/chem/msv0.i/2071211q.b/x1338.d
Level 3: /var/chem/msv0.i/2071211q.b/x1339.d
Level 4: /var/chem/msv0.i/2071211q.b/x1340.d
Level 5: /var/chem/msv0.i/2071211q.b/x1341.d
Level 6: /var/chem/msv0.i/2071211q.b/x1335.d
Level 7: /var/chem/msv0.i/2071211q.b/x1337.d

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	10 Level 7										
1 Dichlorodifluoromethane	0.30897	0.30886	0.30914	0.31217	0.31954	0.32179					
	0.31815						AVRG		0.31409		1.77888
3 1,3 Butadiene	11580	38550	84720	163817	353778	4422					
	26922						LINR	-0.01942	0.13028		0.99787
2 Chloromethane ++	47116	92040	198488	398987	795314	35363					
	60871						LINR	-0.08779	0.37777		0.99909
4 Vinyl Chloride +	0.25232	0.27311	0.27636	0.28683	0.29777	0.25804					
	0.27787						AVRG		0.27461		5.70612

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2007 14:56
End Cal Date : 30-DEC-2007 13:52
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2071230.b/8260Bs0.m
Cal Date : 09-Jan-2008 13:40 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	10 Level 7										
5 Bromomethane	15913	34216	68802	135606	273033	18749					
	24069						QUAD	-0.20220	9.08885	-2.31648	0.99952
6 Chloroethane	0.08757	0.09821	0.08979	0.08706	+++++	0.09272					
	0.12246						AVRG		0.09630		13.96833
7 Trichlorofluoromethane	0.22460	0.22386	0.22430	0.22280	0.18421	0.22500					
	0.22823						AVRG		0.21900		7.04600
8 Ethyl Ether	49752	180404	386532	658985	946980	19539					
	94528						QUAD	0.38344	2.75397	7.64522	0.99739
11 1,1-Dichloroethene +	0.16025	0.16232	0.16180	0.16655	0.17739	0.15732					
	0.16545						AVRG		0.16444		3.94919
14 Carbon Disulfide	0.82440	0.75069	0.73507	0.73779	0.73857	1.04994					
	0.77974						AVRG		0.80232		14.18664
9 1,1,2Trichlotrifluoroethane	0.21031	0.21065	0.21119	0.21457	0.21927	0.20238					
	0.21330						AVRG		0.21167		2.42693

GCAL, Inc.

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Start Cal Date : 11-DEC-2007 14:56
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Method file : /var/chem/msv0.i/2071230.b/8260Bs0.m
Cal Date : 09-Jan-2008 13:40 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	10 Level 7										
13 Methyl Iodide	0.16751	0.14688	0.13865	0.14684	0.14012	0.17314					
	0.14948						AVRG		0.15180		8.78005
15 Allyl Chloride	10431	38441	92895	176394	341119	5217					
	20621						LINR	-0.04543	0.12766		0.99942
17 Acetonitrile	31238	99481	193518	359582	749673	12003					
	46539						LINR	-0.27682	0.05510		0.99874
10 Acrolein	0.04170	0.04984	0.04676	0.04762	0.04913	0.04827					
	0.04509						AVRG		0.04692		5.92431
18 Methylene Chloride	0.33579	0.26406	0.24604	0.23992	0.24414	+++++					
	0.28357						AVRG		0.26892		13.60027
12 Acetone	19614	49047	99140	186570	465710	18613					
	29431						QUAD	-0.18310	6.84129	-2.46922	0.99935
21 trans-1,2-Dichloroethene	0.22617	0.21550	0.21753	0.21945	0.22725	0.21025					
	0.23031						AVRG		0.22092		3.26874

GCAL, Inc.

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Cal Date : 09-Jan-2008 13:40 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	10 Level 7										
19 tert-butyl alcohol	0.10363	0.13242	0.12840	0.11105	0.09570	0.08691					
	0.11329						AVRG		0.11020		14.96338
16 Methyl Acetate	0.31636	0.26534	0.25098	0.23559	0.25217	+++++					
	0.28316						AVRG		0.26727		10.79600
23 Hexane	0.29828	0.25620	0.24848	0.24462	0.24778	0.32031					
	0.28772						AVRG		0.27191		11.04416
20 MTBE	0.61686	0.62326	0.62626	0.62943	0.62724	0.61242					
	0.62891						AVRG		0.62348		1.04174
25 Isopropyl Ether	0.92195	0.91227	0.92546	0.89616	0.89685	1.09697					
	0.90876						AVRG		0.93692		7.62716
35 2-Butanol	12552	52185	123510	214393	343751	6102					
	24361						QUAD	0.19652	6.62797	16.37874	0.99651
28 Chloroprene	0.25928	0.25866	0.27400	0.26068	0.26938	0.26513					
	0.25624						AVRG		0.26334		2.44678

GCAL, Inc.

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Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 7											
26 1,1-Dichloroethane ++	0.31916	0.32633	0.32932	0.31803	0.32392	0.31732						
	0.33138						AVRG		0.32364		1.74356	
22 Acrylonitrile	0.16853	0.18540	0.17014	0.17159	0.17820	0.16284						
	0.17604						AVRG		0.17325		4.23348	
27 Vinyl Acetate	0.40739	0.38415	0.37731	0.37309	0.36910	0.40199						
	0.39232						AVRG		0.38648		3.78323	
24 2-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
30 cis-1,2-Dichloroethene	0.25871	0.26403	0.27259	0.26732	0.26792	0.25352						
	0.27704						AVRG		0.26588		3.00685	
32 Ethyl Acetate	0.67576	0.67247	0.66041	0.60782	0.55503	0.73290						
	0.66024						AVRG		0.65209		8.63462	
29 2,2-Dichloropropane	0.23148	0.23302	0.23718	0.22788	0.15561	0.23819						
	0.24680						AVRG		0.22431		13.76913	

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GCAL, Inc.

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Cal Date : 09-Jan-2008 13:40 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	10 Level 7										
39 Cyclohexane	0.34900	0.33800	0.33184	0.33532	0.34452	0.33502					
	0.34737						AVRG		0.34015		1.98286
34 Bromochloromethane	0.10386	0.12144	0.12368	0.12929	0.13498	0.08896					
	0.11926						AVRG		0.11735		13.48183
33 Proprionitrile	0.10219	0.11137	0.10903	0.09900	0.08991	0.11227					
	0.10296						AVRG		0.10382		7.62357
38 Chloroform +	0.54519	0.41806	0.39916	0.39290	0.39767	+++++					
	0.47486						AVRG		0.43797		13.85665
36 Tetrahydrofuran	0.29949	0.29637	0.28486	0.25618	0.22965	0.34164					
	0.28937						AVRG		0.28537		12.35580
42 Carbon Tetrachloride	0.20511	0.20781	0.21283	0.20205	0.18705	0.19728					
	0.21704						AVRG		0.20417		4.89632
37 Methylacrylonitrile	26809	91835	221071	421098	802957	13679					
	49756						LINR	-0.05579	0.30049		0.99918

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Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	10 Level 7										
45 Isobutyl Alcohol	25284	106681	251000	453966	806862	13443					
	53561						QUAD	0.01335	11.90231	3.80055	0.99992
40 1,1,1-Trichloroethane	0.23283	0.23728	0.24039	0.23946	0.22366	0.22983					
	0.25159						AVRG		0.23643		3.76210
43 1,1-Dichloropropene	0.30950	0.30137	0.30002	0.30117	0.30813	0.30565					
	0.31294						AVRG		0.30554		1.60424
31 2-Butanone	0.44552	0.43514	0.38300	0.38421	0.38552	+++++					
	0.42169						AVRG		0.40918		6.92954
46 Benzene	1.14186	1.00354	0.97770	0.97473	0.98352	+++++					
	1.06898						AVRG		1.02506		6.54953
44 2-2-4 trimethyl Pentane	0.70507	0.67332	0.76508	0.66773	0.69672	0.85198					
	0.66500						AVRG		0.71784		9.53652
48 1,2-Dichloroethane	0.25190	0.26073	0.25788	0.25533	0.25539	0.25093					
	0.25263						AVRG		0.25497		1.36954

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Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	10 Level 7										
52 Methyl cyclohexane	0.42294	0.41562	0.40840	0.40970	0.42789	0.43994					
	0.43662						AVRG		0.42302		2.96078
50 Trichloroethene	0.30917	0.32509	0.31661	0.31804	0.32337	0.33077					
	0.32623						AVRG		0.32133		2.24580
51 N-Butyl Alcohol	0.05749	0.06225	0.06192	0.05406	0.04679	0.07468					
	0.06075						AVRG		0.05971		14.34774
58 Dibromomethane	0.16094	0.17011	0.16623	0.16280	0.15646	0.15365					
	0.17442						AVRG		0.16352		4.49321
56 2,3-Dichloro-1-propene	0.49129	0.48529	0.50913	0.50511	0.50496	0.54754					
	0.49382						AVRG		0.50531		4.06161
54 1,2-Dichloropropane +	0.23907	0.24444	0.23958	0.24704	0.24728	0.23037					
	0.24767						AVRG		0.24221		2.61575
57 Methyl Methacrylate	0.38686	0.38039	0.37992	0.35639	0.35564	0.40745					
	0.36969						AVRG		0.37662		4.82075

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Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 7											
61 Bromodichloromethane	0.33506	0.33692	0.33260	0.33872	0.32294	0.35442						
	0.33576						AVRG		0.33663		2.78612	
59 1,4-Dioxane	0.00858	0.00925	0.00942	0.00804	0.00720	0.01024						
	0.00896						AVRG		0.00881		11.24074	
63 1-Nitropropane	7269	28935	75453	148460	293375	4725						
	15076						LINR	-0.01003	0.11025		0.99980	
64 1-Bromo-2-chloroethane	0.45853	0.48227	0.47379	0.48390	0.48045	0.45344						
	0.47078						AVRG		0.47188		2.52061	
62 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
65 cis-1,3-Dichloropropene	0.43097	0.44087	0.44701	0.45578	0.45212	0.42139						
	0.44626						AVRG		0.44206		2.74461	
53 1,3 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

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Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 7											
68 Toluene +	2.46959	2.30200	2.29710	2.32294	2.29760	2.66951						
	2.39785						AVRG		2.39380		5.75387	
M 55 Total Difluorobenzene(1)	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
66 4-methyl-2-pentanone	0.57155	0.60878	0.57338	0.57623	0.58070	0.55801						
	0.57059						AVRG		0.57703		2.71149	
78 Tetrachloroethene	0.53117	0.50158	0.50211	0.50006	0.50338	0.54193						
	0.54146						AVRG		0.51738		3.82632	
73 Ethyl Methacrylate	0.89617	0.74906	0.74208	0.72044	0.71218	1.00506						
	0.73839						AVRG		0.79477		14.05741	
74 2-Nitroprpoane	2390	12375	35085	74052	139717	1571						
	7155						LINR	0.00982	0.10266		0.99924	

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Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 7											
71 trans-1,3-Dichloropropene	0.88339	0.91241	0.92565	0.96345	0.93653	0.87081						
	0.89409						AVRG		0.91233		3.54360	
60 1,4 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
76 1,1,2-Trichloroethane	0.59038	0.60509	0.60623	0.61986	0.61352	0.56385						
	0.60178						AVRG		0.60010		3.07583	
81 Dibromochloromethane	0.64852	0.66703	0.67999	0.70267	0.69620	0.64431						
	0.65448						AVRG		0.67046		3.45690	
72 2-Methoxyethanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
79 1,3-Dichloropropane	1.08500	1.10089	1.09793	1.11473	1.09571	1.10061						
	1.09804						AVRG		1.09899		0.79901	
83 1,2-Dibromoethane(EDB)	0.62756	0.63060	0.64568	0.65705	0.65287	0.60605						
	0.63812						AVRG		0.63685		2.73375	

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Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 7											
80 2-Hexanone	1.19889	1.24058	1.14921	1.18957	1.19094	1.24105						
	1.18816						AVRG		1.19977		2.68882	
69 1,2 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
70 Methyl disulfide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
84 1-Chlorohexane	0.36393	0.35257	0.36297	0.37423	0.39274	0.42255						
	0.40607						AVRG		0.38215		6.71766	
88 Phenyl Isopropanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
86 Chlorobenzene ++	1.50802	1.47010	1.46740	1.48444	1.44040	1.55732						
	1.50914						AVRG		1.49097		2.54136	
87 Ethylbenzene +	0.75312	0.73363	0.73271	0.74891	0.72982	0.77349						
	0.74804						AVRG		0.74567		2.05550	

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	Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
		10 Level 7											
	89 1,1,1,2-Tetrachloroethane	0.53133	0.53315	0.54874	0.56423	0.55318	0.50604						
		0.55612						AVRG		0.54183		3.65182	
M	75 Total 1,2-Dichloroethene	0.24244	0.23976	0.24506	0.24338	0.24759	0.23189						
		0.25368						AVRG		0.24340		2.76965	
	90 p,m-Xylene	0.98615	0.93692	0.93210	0.92903	0.90945	0.98385						
		0.96744						AVRG		0.94928		3.13930	
M	77 1-3 Dichloropropene-Total	0.40942	0.42379	0.42633	0.43917	0.43446	0.39890						
		0.41908						AVRG		0.42159		3.31350	
	91 o-Xylene	0.92756	0.91197	0.91985	0.93729	0.91609	0.94651						
		0.93876						AVRG		0.92829		1.39740	
	92 Styrene	1.64463	1.59590	1.70348	1.66504	1.63775	1.64678						
		1.70439						AVRG		1.65685		2.31575	
	82 Mesityloxide	+++++	+++++	+++++	+++++	+++++	+++++						
		+++++						AVRG		0.000e+00		0.000e+00	<-

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Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	10 Level 7										
95 Bromoform ++	0.51204	0.54353	0.56066	0.58881	0.59104	0.45660					
	0.52169						AVRG		0.53920		8.79532
96 Isopropylbenzene	2.41800	2.35756	2.36130	2.36298	2.32852	2.55502					
	2.43866						AVRG		2.40315		3.20348
102 Bromobenzene	1.31596	1.23469	1.21874	1.25212	1.18756	1.35707					
	1.30115						AVRG		1.26676		4.73441
103 n-Propylbenzene	3.30267	3.17289	3.13021	3.19020	3.02744	3.53211					
	3.31555						AVRG		3.23872		5.02911
101 1,1,2,2-Tetrachloroethane++	0.96380	0.97191	0.97935	1.01587	0.94829	0.92718					
	0.98001						AVRG		0.96949		2.86758
105 2-Chlorotoluene	2.06825	1.93534	1.93112	1.97571	1.88066	2.18406					
	2.11120						AVRG		2.01233		5.50356
107 1,3,5-Trimethylbenzene	2.07454	1.98022	1.99169	2.01888	1.92550	2.12537					
	2.06416						AVRG		2.02577		3.31819

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Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 7											
104 1,2,3-Trichloropropane	1.16901	1.20369	1.19491	1.25638	1.21489	1.13783						
	1.20491						AVRG		1.19737		3.09537	
106 trans-1,4-Dichloro-2-Butene	1944	11398	27741	58074	123595	189						
	4868						LINR	0.04907	0.13377		0.99969	<-
108 4-Chlorotoluene	1.96489	1.88490	1.78428	1.85852	1.77159	2.01333						
	1.97196						AVRG		1.89278		4.99804	
109 tert-butylbenzene	1.20499	1.14372	1.07785	1.13341	1.08793	1.19777						
	1.18207						AVRG		1.14682		4.45145	
110 1,2,4-Trimethylbenzene	2.13584	1.99793	1.99315	2.00949	1.93895	2.13836						
	2.09548						AVRG		2.04417		3.83757	
93 cis-1,2 Dibromoethylene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
94 trans-1,2 Dibromoethylene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2007 14:56
End Cal Date : 30-DEC-2007 13:52
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2071230.b/8260Bs0.m
Cal Date : 09-Jan-2008 13:40 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 7											
112 sec-Butylbenzene	2.82222	2.68890	2.64341	2.69070	2.56589	2.94554						
	2.81174						AVRG		2.73834		4.68661	
111 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
113 p-Isopropyltoluene	2.27766	2.16655	2.13589	2.17707	2.07203	2.35803						
	2.24729						AVRG		2.20493		4.35011	
160 1,2-Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
118 Cumene Hydroperoxide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
114 1,3-Dichlorobenzene	1.48531	1.41948	1.39009	1.42378	1.36134	1.57286						
	1.46621						AVRG		1.44558		4.85347	
159 1,3-Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2007 14:56
End Cal Date : 30-DEC-2007 13:52
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2071230.b/8260Bs0.m
Cal Date : 09-Jan-2008 13:40 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 7											
116 alpha-methylstyrene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
161 1,4-Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
117 1,4-Dichlorobenzene	1.58435	1.48887	1.45744	1.47244	1.40243	1.64464						
	1.56689						AVRG		1.51672		5.56639	
97 1-5 Cyclooctadiene	0.41789	0.44055	0.42862	0.40379	0.38976	0.46630						
	0.42256						AVRG		0.42421		5.85695	
99 Methyl isobutenyl ketone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
100 Cyclohexanone	1.16548	1.18946	1.13211	1.05261	0.96306	1.31333						
	1.15081						AVRG		1.13812		9.64100	
119 n-Butylbenzene	2.39714	2.28048	2.24277	2.26717	2.17547	2.51890						
	2.36498						AVRG		2.32099		4.93550	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2007 14:56
End Cal Date : 30-DEC-2007 13:52
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2071230.b/8260Bs0.m
Cal Date : 09-Jan-2008 13:40 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	 m1	 m2	%RSD or R^2	
	10 Level 7											
120 1,2-Dichlorobenzene	1.43842	1.37219	1.37513	1.40429	1.33429	1.42142						
	1.41974						AVRG		1.39507		2.59806	
M 162 Total Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
121 1,2-Dibromo-3-Chloropropane	0.31861	0.36082	0.34963	0.35770	0.36452	0.24922						
	0.34739						AVRG		0.33541		12.20017	
122 Benzal chloride	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
124 Hexachlorobutadiene	0.37121	0.36908	0.37505	0.36578	0.37043	0.35308						
	0.38571						AVRG		0.37005		2.65509	
123 1,2,4-Trichlorobenzene	0.88744	0.84076	0.85896	0.86094	0.83246	0.87310						
	0.87275						AVRG		0.86091		2.23003	
125 Napthalene	157746	259822	646335	1289492	2587545	30141						
	139549						LINR	-0.04317	2.75837		0.99894	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2007 14:56
End Cal Date : 30-DEC-2007 13:52
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2071230.b/8260Bs0.m
Cal Date : 09-Jan-2008 13:40 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 7											
126 1,2,3-Trichlorobenzene	0.88416	0.84286	0.86328	0.85613	0.83354	0.88389						
	0.86613						AVRG		0.86143		2.22151	
M 127 TOTAL XYLENE	0.96662	0.92860	0.92802	0.93178	0.91166	0.97140						
	0.95788						AVRG		0.94228		2.42074	
M 128 Total-1,2 Dibromoethylene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
163 Heptane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
$ 41 Dibromofluoromethane	0.19706	0.20245	0.20747	0.21198	0.21367	+++++						
	0.20560						AVRG		0.20637		2.97584	
$ 47 1,2-Dichloroethane-d4	0.10393	0.11320	0.11121	0.11105	0.10969	+++++						
	0.11117						AVRG		0.11004		2.90559	
$ 67 Toluene-d8	1.79794	1.59040	1.66302	1.67271	1.65637	+++++						
	1.74860						AVRG		1.68817		4.36450	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2007 14:56
End Cal Date : 30-DEC-2007 13:52
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2071230.b/8260Bs0.m
Cal Date : 09-Jan-2008 13:40 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	10 Level 7										
$ 98 Bromofluorobenzene	0.68602	0.64237	0.64211	0.64427	0.63484	+++++					
	0.66852						AVRG		0.65302		3.03879

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2007 14:56
End Cal Date : 30-DEC-2007 13:52
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2071230.b/8260Bs0.m
Cal Date : 09-Jan-2008 13:40 rjo

Average %RSD Results.
Calculated Average %RSD = 5.38059
Maximun Average %RSD = 15.00000
* Passed Average %RSD Test.

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

168604

GCAL, Inc.

Data file : /var/chem/msv0.i/2071211q.b/x1334bfb.d
Lab Smp Id: 1000 Client Smp ID: V0BFB
Inj Date : 12-DEC-2007 02:45
Operator : KCB Inst ID: msv0.i
Smp Info : 1000*V0BFB
Misc Info : MSV~12094~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071211q.b/bfb0.m
Meth Date : 05-Dec-2007 11:25 kcb Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb					CAS #: 460-00-4		
10.319	10.335 (0.000)	95	135146			100.00- 100.00	100.00
10.319	10.335 (0.000)	50	21232			15.00- 40.00	15.71
10.319	10.335 (0.000)	75	63808			30.00- 60.00	47.21
10.319	10.335 (0.000)	96	9291			5.00- 9.00	6.87
10.319	10.335 (0.000)	173	0			0.00- 2.00	0.00
10.319	10.335 (0.000)	174	103920			50.00- 120.00	76.89
10.319	10.335 (0.000)	175	7676			5.00- 9.00	7.39
10.319	10.335 (0.000)	176	100656			95.00- 101.00	96.86
10.319	10.335 (0.000)	177	6520			5.00- 9.00	6.48

168605

Data File: /var/chem/msv0.i/2071211q.b/x1334bfb.d

Date : 12-DEC-2007 02:45

Client ID: V0BFB

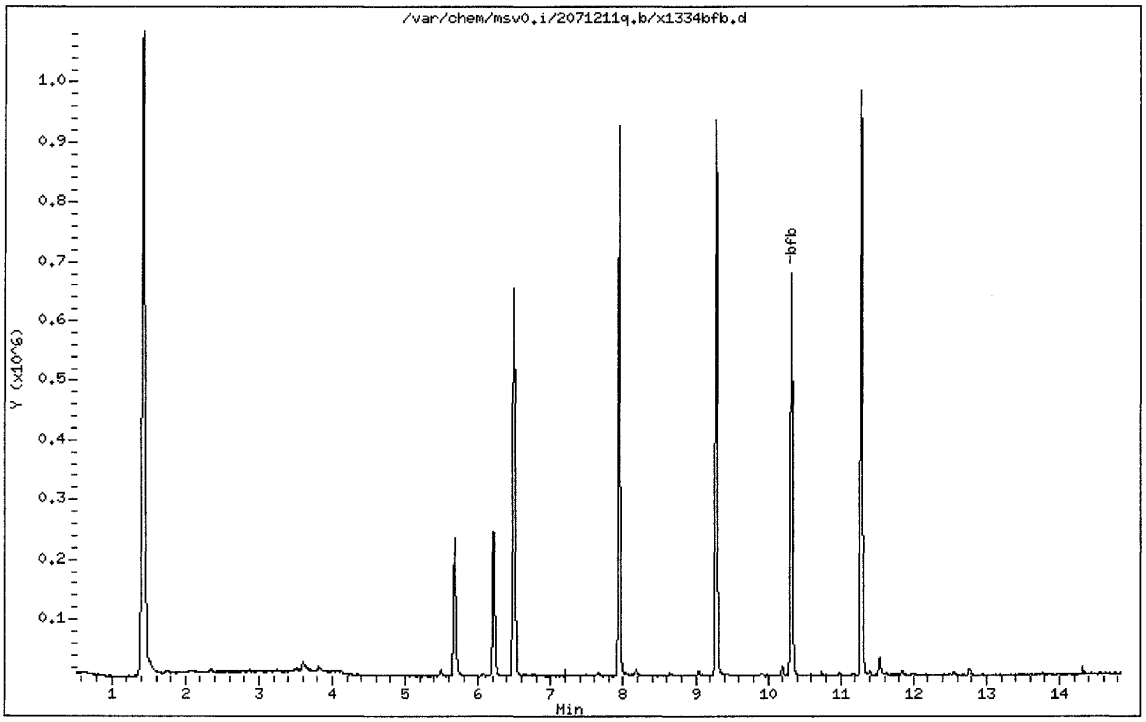
Instrument: msv0.i

Sample Info: 1000xV0BFB

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53



168606

Data File: /var/chem/msv0.i/2071211q.b/x1334bfb.d

Date : 12-DEC-2007 02:45

Client ID: V0BFB

Instrument: msv0.i

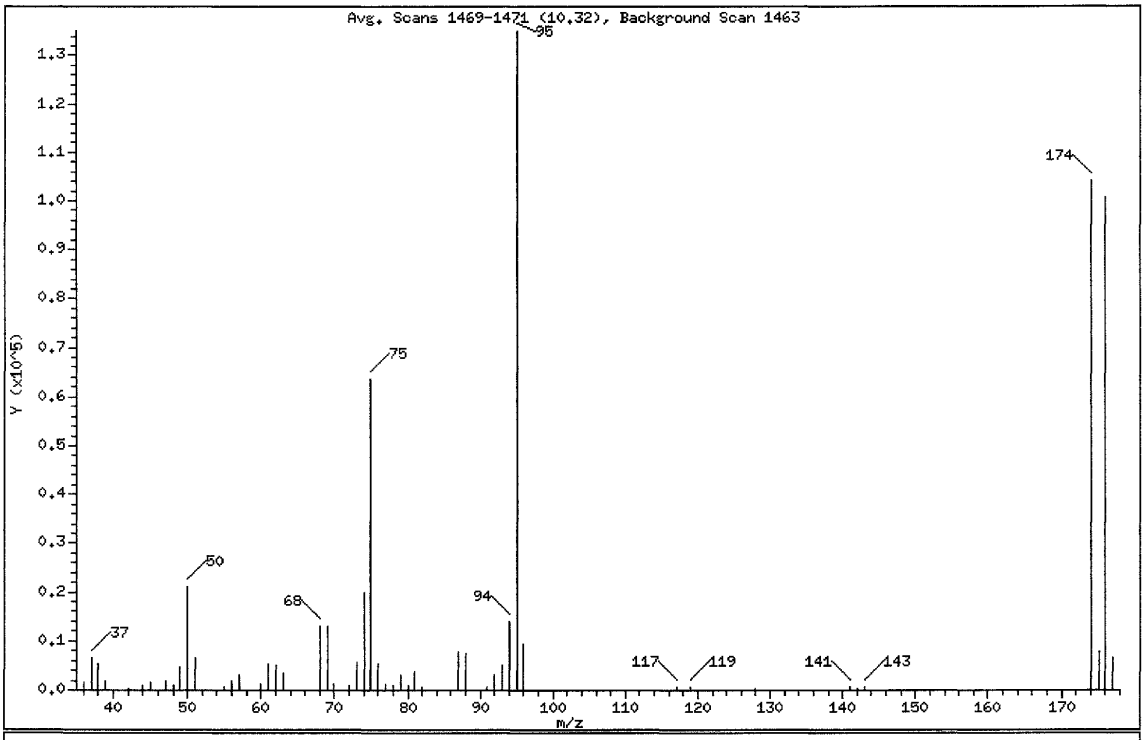
Sample Info: 1000*V0BFB

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.71
75	30.00 - 60.00% of mass 95	47.21
96	5.00 - 9.00% of mass 95	6.87
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	76.89
175	5.00 - 9.00% of mass 174	5.68 (7.39)
176	95.00 - 101.00% of mass 174	74.48 (96.86)
177	5.00 - 9.00% of mass 176	4.82 (6.48)

Data File: /var/chem/msv0.i/2071211q.b/x1334bfb.d

Date : 12-DEC-2007 02:45

Client ID: V0BFB

Instrument: msv0.i

Sample Info: 1000*V0BFB

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53

Data File: x1334bfb.d
Spectrum: Avg. Scans 1469-1471 (10.32), Background Scan 1463
Location of Maximum: 95.00
Number of points: 53

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1516	55.00	746	76.00	5293	96.00	9291
37.00	6397	56.00	1747	77.00	1125	117.00	510
38.00	5343	57.00	3088	78.00	883	119.00	473
39.00	1722	60.00	1186	79.00	3104	128.00	270
40.00	153	61.00	5258	80.00	880	141.00	701
41.00	31	62.00	4864	81.00	3678	142.00	196
42.00	168	63.00	3482	82.00	558	143.00	521
44.00	824	68.00	13125	87.00	7805	174.00	103920
45.00	1440	69.00	13125	88.00	7328	175.00	7676
47.00	2001	70.00	1214	91.00	471	176.00	100656
48.00	785	72.00	819	92.00	3057	177.00	6520
49.00	4748	73.00	5491	93.00	4904		
50.00	21232	74.00	19952	94.00	14122		
51.00	6463	75.00	63808	95.00	135104		

168608

GCAL, Inc.

Data file : /var/chem/msv0.i/2071211q.b/x1335.d
Lab Smp Id: 1206 Client Smp ID: V0APP9STD002
Inj Date : 12-DEC-2007 03:07
Operator : KCB Inst ID: msv0.i
Smp Info : 1206*V0APP9STD002
Misc Info : MSV~12094~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071211q.b/8260Bs0.m
Meth Date : 12-Dec-2007 09:14 kcb Quant Type: ISTD
Cal Date : 12-DEC-2007 03:07 Cal File: x1335.d
Als bottle: 34 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
3	1,3 Butadiene	39	1.825	1.825	(0.281)	4422	2.00000	1.61	5139(a)
8	Ethyl Ether	59	2.658	2.658	(0.409)	19539	10.0000	23.6	8060
15	Allyl Chloride	39	3.391	3.391	(0.522)	5217	2.00000	0.833	4981(a)
17	Acetonitrile	41	4.224	4.224	(0.651)	12003	10.0000	2.71	3931(a)
19	tert-butyl alcohol	59	4.111	4.111	(0.633)	2288	2.00000	1.58	3999(a)
25	Isopropyl Ether	45	4.417	4.417	(0.681)	28880	2.00000	2.34	7547(a)
28	Chloroprene	53	4.491	4.491	(0.692)	6980	2.00000	2.01	7443(a)
32	Ethyl Acetate	43	5.650	5.650	(0.871)	96475	10.0000	11.2	6772
33	Proprionitrile	54	6.124	6.124	(0.944)	14779	10.0000	10.8	8775
35	2-Butanol	45	5.744	5.744	(0.885)	6102	4.00000	13.0	0(M1)
36	Tetrahydrofuran	42	5.664	5.664	(0.873)	44972	10.0000	12.0	4601
37	Methylacrylonitrile	41	6.137	6.137	(0.946)	13679	2.00000	0.669	3612(a)
45	Isobutyl Alcohol	43	6.370	6.370	(0.982)	13443	10.0000	12.9	6920

168609

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
44 2-2-4 trimethyl Pentane	57	5.937	5.937	(0.915)	22430	2.00000	2.37	0(aM1)
* 49 FLUOROBENZENE	96	6.490	6.490	(1.000)	658175	50.0000		9787
51 N-Butyl Alcohol	56	7.023	7.023	(1.082)	9831	10.0000	12.5	7076
56 2,3-Dichloro-1-propene	75	7.130	7.130	(1.099)	14415	2.00000	2.17	8220(a)
57 Methyl Methacrylate	69	7.370	7.370	(1.136)	10727	2.00000	2.16	8601(a)
59 1,4-Dioxane	58	7.417	7.417	(1.143)	6741	50.0000	58.1	5752
63 1-Nitropropane	43	8.197	8.197	(1.263)	4725	2.00000	2.75	5611(aH)
73 Ethyl Methacrylate	41	8.496	8.496	(0.915)	13883	2.00000	2.53	8915(a)
74 2-Nitroprpoane	43	8.836	8.836	(0.952)	1571	2.00000	2.71	3988(aH)
* 85 Chlorobenzene-d5	82	9.283	9.283	(1.000)	345328	50.0000		2234
97 1-5 Cyclooctadiene	67	6.144	6.144	(0.662)	6441	2.00000	2.20	8877(a)
100 Cyclohexanone	55	10.663	10.663	(0.945)	17272	2.00000	2.31	8882(a)
* 115 1,4-DICHLOROBENZENE-D4	152	11.289	11.289	(1.000)	328783	50.0000		4088

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv0.i/2071211q.b/x1335.d

Date : 12-DEC-2007 03:07

Client ID: V0APP9STD002

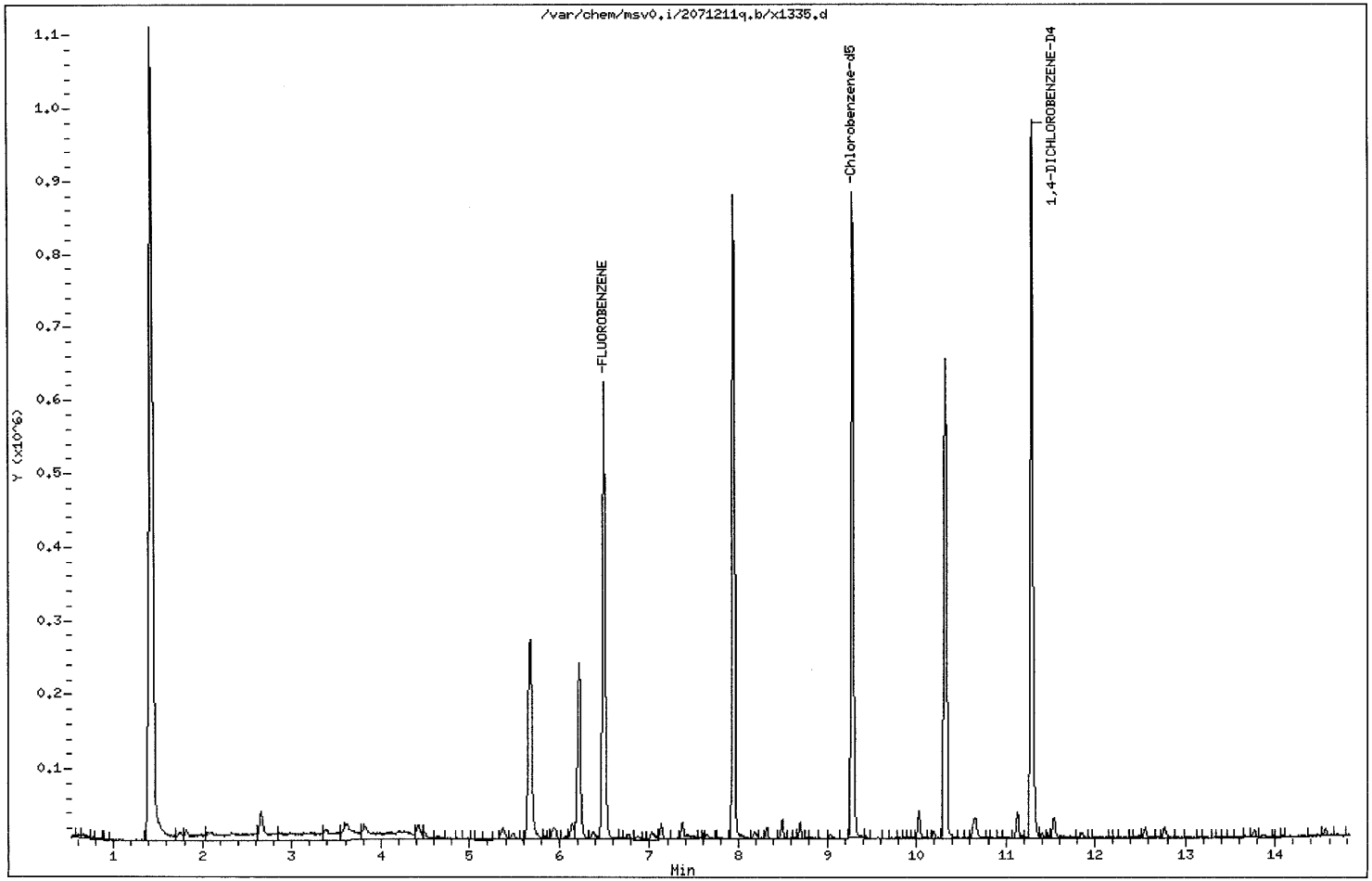
Sample Info: 1206*V0APP9STD002

Column phase: DB-624-30M

Instrument: msv0.i

Operator: KCB

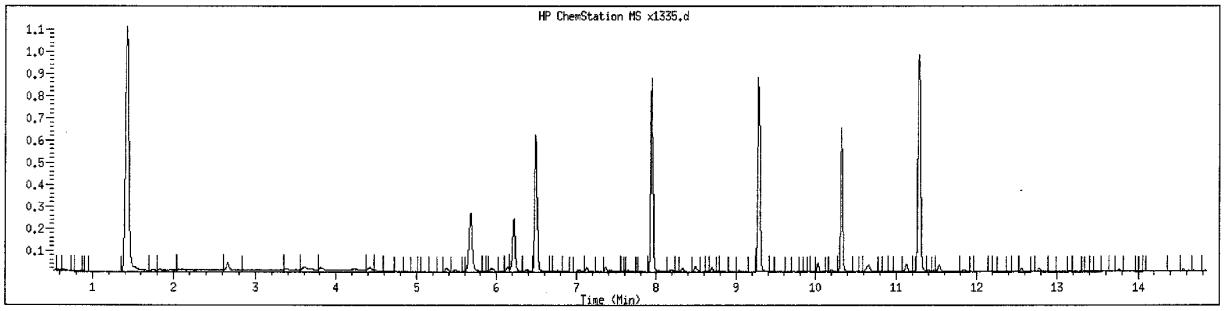
Column diameter: 0.53



Data file : /var/chem/msv0.i/2071211q.b/x1335.d Page: 1
Report Date: 12/12/2007 09:14

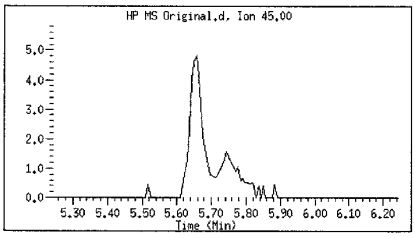
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1206 SampleType : CALIB_6
Injection Date: 12/12/2007 03:07 Instrument : msv0.i
Operator : KCB
Sample Info : 1206*V0APP9STD002
Misc Info : MSV~12094~*1*JCK
Method : /var/chem/msv0.i/2071211q.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: APP9



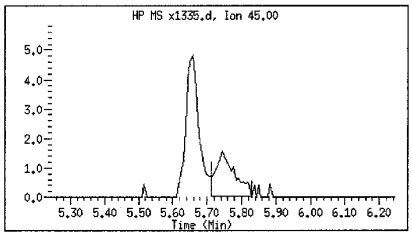
Original Final

35 2-Butanol CAS#: 15892-23-6 Reason: M1

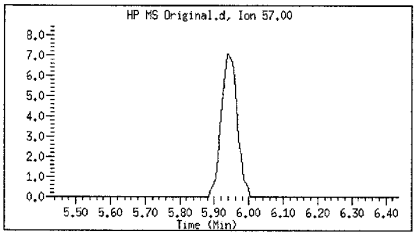


Electronic Signature
Applied

User: kcb
Date: 12/12/2007 09:02

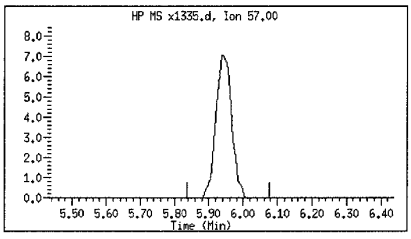


44 2-2-4 trimethyl Pentane CAS#: 540-84-1 Reason: M1



Electronic Signature
Applied

User: kcb
Date: 12/12/2007 09:02



168612

M1 - Target system did not integrate

168613

GCAL, Inc.

Data file : /var/chem/msv0.i/2071211q.b/x1336.d
Lab Smp Id: 1201 Client Smp ID: V0APP9STD005
Inj Date : 12-DEC-2007 03:29
Operator : KCB Inst ID: msv0.i
Smp Info : 1201*V0APP9STD005
Misc Info : MSV~12094~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071211q.b/8260Bs0.m
Meth Date : 12-Dec-2007 09:14 kcb Quant Type: ISTD
Cal Date : 12-DEC-2007 03:29 Cal File: x1336.d
Als bottle: 35 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
3 1,3 Butadiene	39	1.827	1.827	(0.281)	11580	5.00000	5.53	7164
8 Ethyl Ether	59	2.661	2.661	(0.410)	49752	25.0000	31.2	9020
15 Allyl Chloride	39	3.380	3.380	(0.521)	10431	5.00000	3.70	6787(a)
17 Acetonitrile	41	4.220	4.220	(0.650)	31238	25.0000	27.6	5117
19 tert-butyl alcohol	59	4.114	4.114	(0.634)	7085	5.00000	4.70	4642(a)
25 Isopropyl Ether	45	4.427	4.427	(0.682)	63034	5.00000	4.92	8767(a)
28 Chloroprene	53	4.500	4.500	(0.693)	17727	5.00000	4.92	8740(a)
32 Ethyl Acetate	43	5.653	5.653	(0.871)	231009	25.0000	25.9	7835
33 Proprionitrile	54	6.133	6.133	(0.945)	34933	25.0000	24.6	9303
35 2-Butanol	45	5.746	5.746	(0.885)	12552	10.0000	16.2	6245
36 Tetrahydrofuran	42	5.666	5.666	(0.873)	102381	25.0000	26.2	6254
37 Methylacrylonitrile	41	6.140	6.140	(0.946)	26809	5.00000	3.74	3717(a)
45 Isobutyl Alcohol	43	6.373	6.373	(0.982)	25284	25.0000	22.9	8251

168614

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
44 2-2-4 trimethyl Pentane	57	5.940	5.940	(0.915)	48206	5.00000	4.91	8784(a)
* 49 FLUOROBENZENE	96	6.493	6.493	(1.000)	683706	50.0000		9780
51 N-Butyl Alcohol	56	7.026	7.026	(1.082)	19653	25.0000	24.1	8300
56 2,3-Dichloro-1-propene	75	7.133	7.133	(1.099)	33590	5.00000	4.86	8879(a)
57 Methyl Methacrylate	69	7.373	7.373	(1.135)	26450	5.00000	5.14	8921
59 1,4-Dioxane	58	7.419	7.419	(1.143)	14658	125.000	122	7310
63 1-Nitropropane	43	8.193	8.193	(1.262)	7269	5.00000	4.32	6489(a)
73 Ethyl Methacrylate	41	8.499	8.499	(0.915)	31683	5.00000	5.64	9153
74 2-Nitroprpoane	43	8.832	8.832	(0.951)	2390	5.00000	3.78	5326(aH)
* 85 Chlorobenzene-d5	82	9.286	9.286	(1.000)	353538	50.0000		2216
97 1-5 Cyclooctadiene	67	6.140	6.140	(0.661)	14774	5.00000	4.93	2368(aM1)
100 Cyclohexanone	55	10.659	10.659	(0.944)	37919	5.00000	5.12	9222
* 115 1,4-DICHLOROBENZENE-D4	152	11.285	11.285	(1.000)	325351	50.0000		4109

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

168615

Data File: /var/chem/msv0.i/2071211q.b/x1336.d

Page 1

Date : 12-DEC-2007 03:29

Client ID: V0APP9STD005

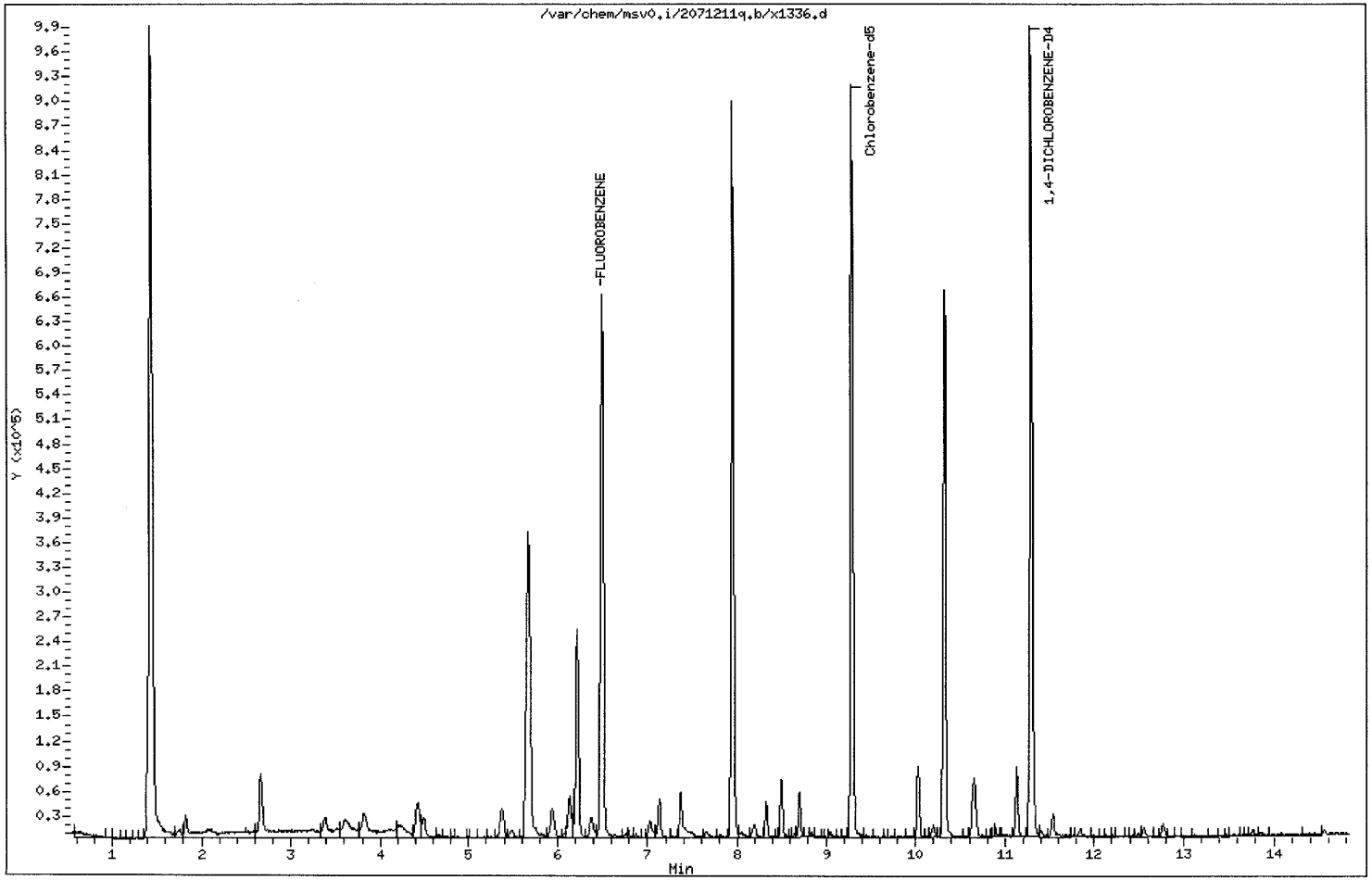
Instrument: msv0.i

Sample Info: 1201*V0APP9STD005

Operator: KCB

Column phase: DB-624-30M

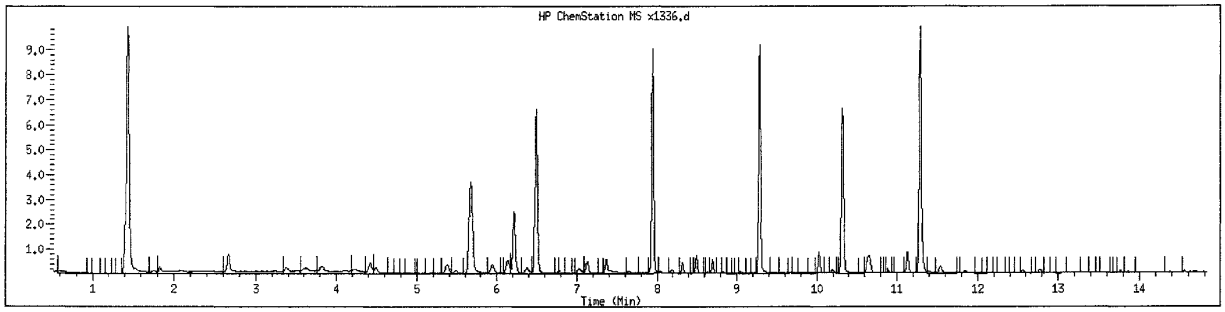
Column diameter: 0.53



Data file : /var/chem/msv0.i/2071211q.b/x1336.d Page: 1
Report Date: 12/12/2007 09:14

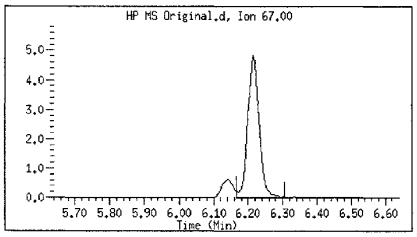
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1201 SampleType : CALIB_1
Injection Date: 12/12/2007 03:29 Instrument : msv0.i
Operator : KCB
Sample Info : 1201*V0APP9STD005
Misc Info : MSV~12094~*1*JCK
Method : /var/chem/msv0.i/2071211q.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: APP9



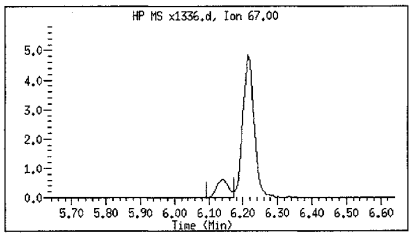
Original Final

97 1-5 Cyclooctadiene CAS#: 111-78-4 Reason: M1



Electronic Signature Applied

User: kcb
Date: 12/12/2007 09:02



M1 - Target system did not integrate

168617

GCAL, Inc.

Data file : /var/chem/msv0.i/2071211q.b/x1337.d
Lab Smp Id: 1207 Client Smp ID: V0APP9STD010
Inj Date : 12-DEC-2007 03:51
Operator : KCB Inst ID: msv0.i
Smp Info : 1207*V0APP9STD010
Misc Info : MSV~12094~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071211q.b/8260Bs0.m
Meth Date : 12-Dec-2007 09:14 kcb Quant Type: ISTD
Cal Date : 12-DEC-2007 03:51 Cal File: x1337.d
Als bottle: 36 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
3 1,3 Butadiene	39	1.822	1.822	(0.281)	26922	10.0000	14.0	8290
8 Ethyl Ether	59	2.662	2.662	(0.410)	94528	50.0000	45.2	9225
15 Allyl Chloride	39	3.382	3.382	(0.521)	20621	10.0000	9.43	7984
17 Acetonitrile	41	4.228	4.228	(0.651)	46539	50.0000	47.4	6452
19 tert-butyl alcohol	59	4.095	4.095	(0.631)	15636	10.0000	10.3	5431
25 Isopropyl Ether	45	4.421	4.421	(0.681)	125422	10.0000	9.70	9052
28 Chloroprene	53	4.495	4.495	(0.692)	35365	10.0000	9.73	9005
32 Ethyl Acetate	43	5.654	5.654	(0.871)	455615	50.0000	50.6	8376
33 Proprionitrile	54	6.128	6.128	(0.944)	71051	50.0000	49.6	9271
35 2-Butanol	45	5.748	5.748	(0.885)	24361	40.0000	22.5	6482
36 Tetrahydrofuran	42	5.661	5.661	(0.872)	199685	50.0000	50.7	7325
37 Methylacrylonitrile	41	6.141	6.141	(0.946)	49756	10.0000	9.21	3620
45 Isobutyl Alcohol	43	6.374	6.374	(0.982)	53561	50.0000	48.0	9009

168618

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
44	2-2-4 trimethyl Pentane	57	5.941	5.941	(0.915)	91780	10.0000	9.26	9250
* 49	FLUOROBENZENE	96	6.494	6.494	(1.000)	690071	50.0000		9772
51	N-Butyl Alcohol	56	7.034	7.034	(1.083)	41923	50.0000	50.9	8982
56	2,3-Dichloro-1-propene	75	7.134	7.134	(1.099)	68154	10.0000	9.77	8874
57	Methyl Methacrylate	69	7.367	7.367	(1.134)	51023	10.0000	9.82	9083
59	1,4-Dioxane	58	7.427	7.427	(1.144)	30900	250.000	254	8203
63	1-Nitropropane	43	8.194	8.194	(1.262)	15076	10.0000	9.41	7452
73	Ethyl Methacrylate	41	8.494	8.494	(0.915)	51423	10.0000	9.29	9211
74	2-Nitroprpoane	43	8.834	8.834	(0.951)	7155	10.0000	10.5	6754
* 85	Chlorobenzene-d5	82	9.287	9.287	(1.000)	348211	50.0000		2201
97	1-5 Cyclooctadiene	67	6.141	6.141	(0.661)	29428	10.0000	9.96	2432(M1)
100	Cyclohexanone	55	10.660	10.660	(0.944)	74820	10.0000	10.1	9326
* 115	1,4-DICHLOROBENZENE-D4	152	11.287	11.287	(1.000)	325075	50.0000		4115

QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.

168619

Data File: /var/chem/msv0.i/2071211q.b/x1337.d

Page 1

Date : 12-DEC-2007 03:51

Client ID: V0APP9STD010

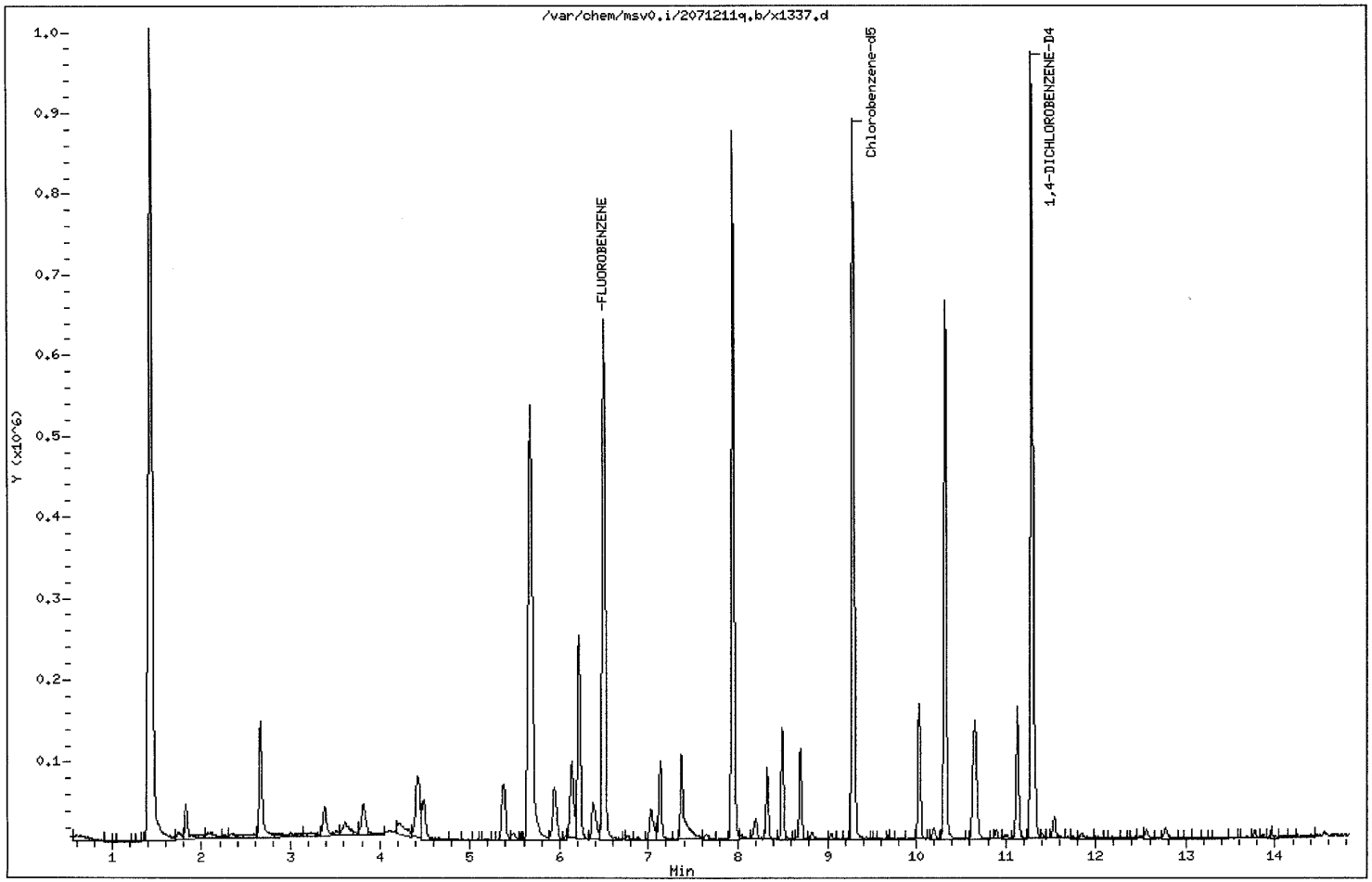
Instrument: msv0.i

Sample Info: 1207*V0APP9STD010

Operator: KCB

Column phase: DB-624-30M

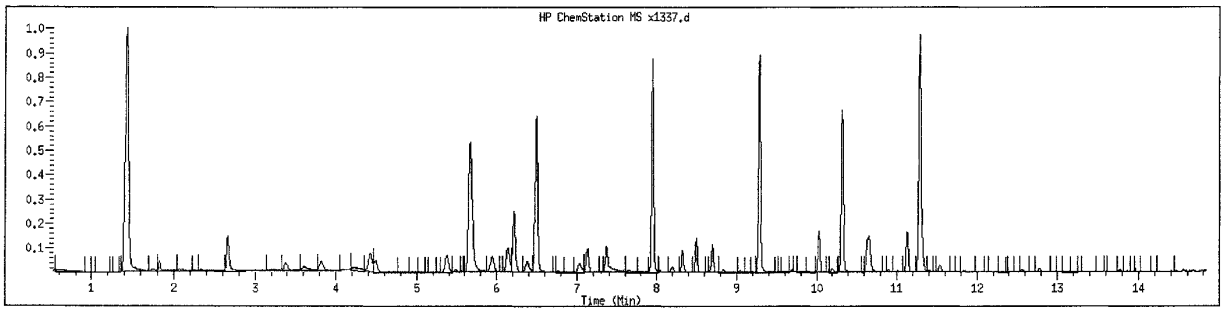
Column diameter: 0.53



Data file : /var/chem/msv0.i/2071211q.b/x1337.d Page: 1
Report Date: 12/12/2007 09:14

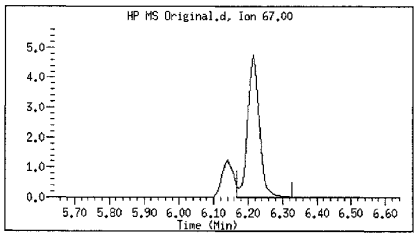
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1207 SampleType : CALIB_7
Injection Date: 12/12/2007 03:51 Instrument : msv0.i
Operator : KCB
Sample Info : 1207*V0APP9STD010
Misc Info : MSV~12094~*1*JCK
Method : /var/chem/msv0.i/2071211q.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: APP9



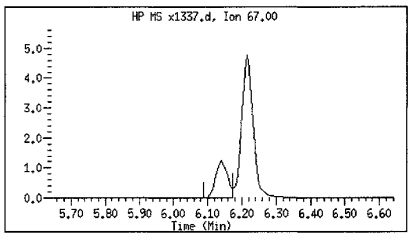
Original Final

97 1-5 Cyclooctadiene CAS#: 111-78-4 Reason: M1



Electronic Signature Applied

User: kcb
Date: 12/12/2007 09:01



M1 - Target system did not integrate

168621

GCAL, Inc.

Data file : /var/chem/msv0.i/2071211q.b/x1338.d
Lab Smp Id: 1202 Client Smp ID: V0APP9STD020
Inj Date : 12-DEC-2007 04:12
Operator : KCB Inst ID: msv0.i
Smp Info : 1202*V0APP9STD020
Misc Info : MSV~12094~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071211q.b/8260Bs0.m
Meth Date : 12-Dec-2007 09:14 kcb Quant Type: ISTD
Cal Date : 12-DEC-2007 04:12 Cal File: x1338.d
Als bottle: 37 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
3 1,3 Butadiene	39	1.825	1.825	(0.281)	38550	20.0000	20.8	8947
8 Ethyl Ether	59	2.658	2.658	(0.410)	180404	100.000	82.6	9489
15 Allyl Chloride	39	3.378	3.378	(0.520)	38441	20.0000	19.9	8592
17 Acetonitrile	41	4.218	4.218	(0.650)	99481	100.000	119	7840
19 tert-butyl alcohol	59	4.105	4.105	(0.632)	36014	20.0000	24.0	6415
25 Isopropyl Ether	45	4.424	4.424	(0.682)	248102	20.0000	19.5	9313
28 Chloroprene	53	4.491	4.491	(0.692)	70345	20.0000	19.6	9102
32 Ethyl Acetate	43	5.657	5.657	(0.872)	914428	100.000	103	8294
33 Proprionitrile	54	6.131	6.131	(0.945)	151439	100.000	107	9367
35 2-Butanol	45	5.751	5.751	(0.886)	52185	40.0000	40.1	7054
36 Tetrahydrofuran	42	5.664	5.664	(0.873)	403000	100.000	104	7797
37 Methylacrylonitrile	41	6.137	6.137	(0.946)	91835	20.0000	19.7	3635
45 Isobutyl Alcohol	43	6.377	6.377	(0.983)	106681	100.000	98.7	9390

168622

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
44 2-2-4 trimethyl Pentane	57	5.944	5.944	(0.916)	183117	20.0000	18.8	9457
* 49 FLUOROBENZENE	96	6.491	6.491	(1.000)	679901	50.0000		9757
51 N-Butyl Alcohol	56	7.031	7.031	(1.083)	84645	100.000	104	9394
56 2,3-Dichloro-1-propene	75	7.130	7.130	(1.099)	131979	20.0000	19.2	9057
57 Methyl Methacrylate	69	7.370	7.370	(1.136)	103450	20.0000	20.2	9112
59 1,4-Dioxane	58	7.417	7.417	(1.143)	62867	500.000	525	8768
63 1-Nitropropane	43	8.197	8.197	(1.263)	28935	20.0000	18.8	8251
73 Ethyl Methacrylate	41	8.497	8.497	(0.915)	104128	20.0000	18.8	9048
74 2-Nitroprpoane	43	8.837	8.837	(0.952)	12375	20.0000	17.8	7856
* 85 Chlorobenzene-d5	82	9.283	9.283	(1.000)	347531	50.0000		2187
97 1-5 Cyclooctadiene	67	6.137	6.137	(0.661)	61242	20.0000	20.8	2547(M1)
100 Cyclohexanone	55	10.656	10.656	(0.944)	155344	20.0000	20.9	9309
* 115 1,4-DICHLOROBENZENE-D4	152	11.290	11.290	(1.000)	326500	50.0000		4124

QC Flag Legend

M1- Compound response manually integrated because Target system did not integrate.

168623

Data File: /var/chem/msv0.i/2071211q.b/x1338.d

Page 1

Date : 12-DEC-2007 04:12

Client ID: VOAPP9STD020

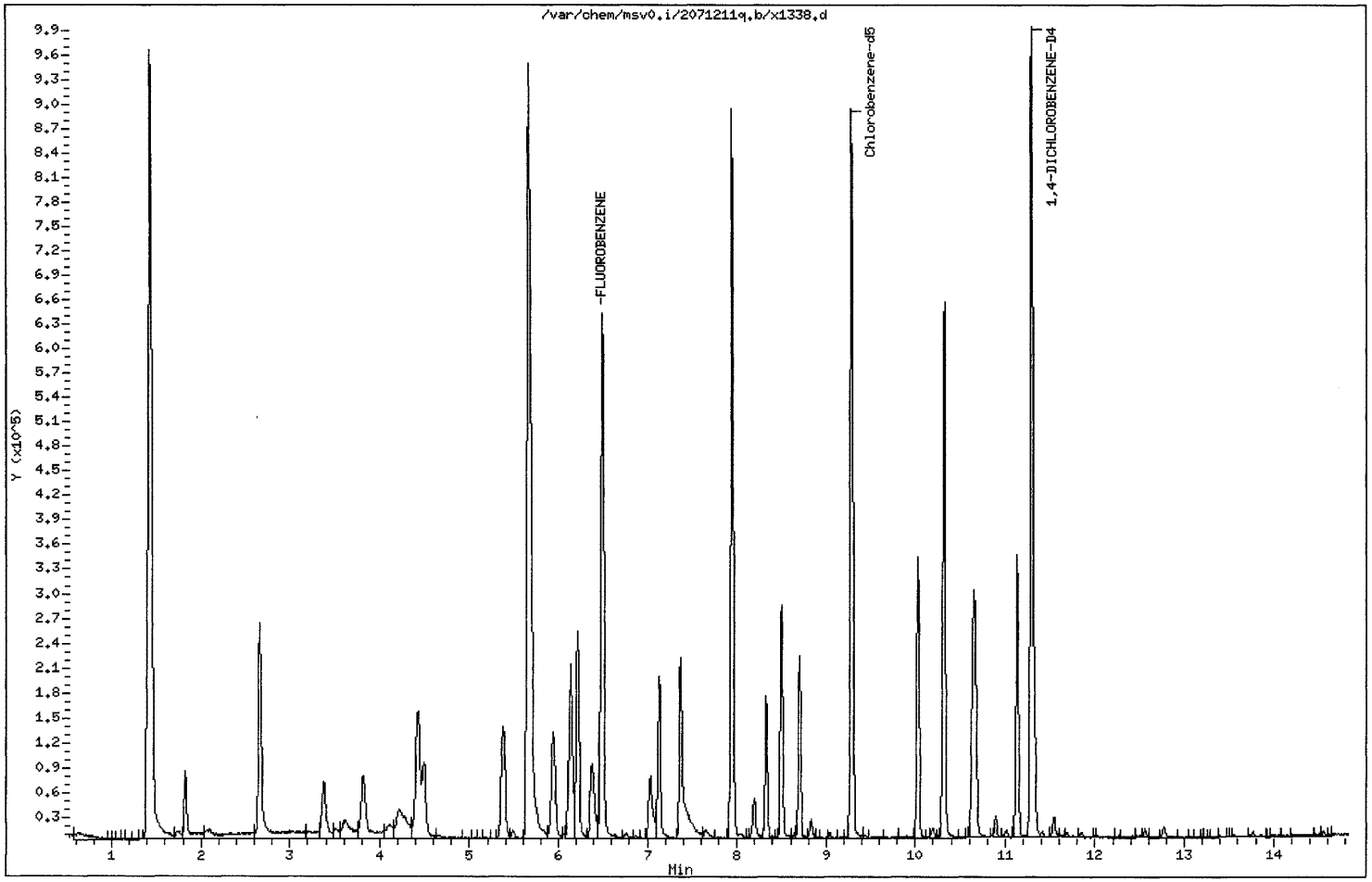
Instrument: msv0.i

Sample Info: 1202WVOAPP9STD020

Operator: KCB

Column phase: DB-624-30M

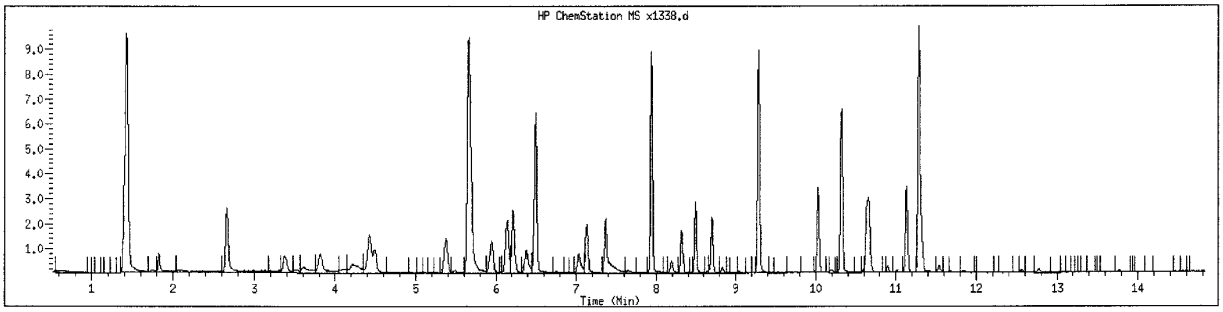
Column diameter: 0.53



Data file : /var/chem/msv0.i/2071211q.b/x1338.d Page: 1
Report Date: 12/12/2007 09:14

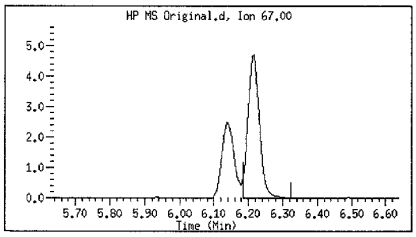
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1202 SampleType : CALIB_2
Injection Date: 12/12/2007 04:12 Instrument : msv0.i
Operator : KCB
Sample Info : 1202*V0APP9STD020
Misc Info : MSV~12094~*1*JCK
Method : /var/chem/msv0.i/2071211q.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: APP9



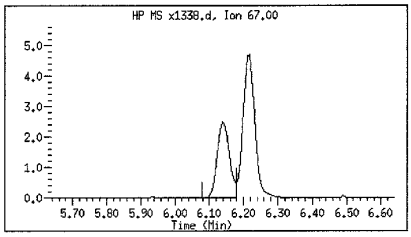
Original Final

97 1-5 Cyclooctadiene CAS#: 111-78-4 Reason: M1



Electronic Signature
Applied

User: kcb
Date: 12/12/2007 09:00



M1 - Target system did not integrate

168625

GCAL, Inc.

Data file : /var/chem/msv0.i/2071211q.b/x1339.d
Lab Smp Id: 1203 Client Smp ID: V0APP9STD050
Inj Date : 12-DEC-2007 04:34
Operator : KCB Inst ID: msv0.i
Smp Info : 1203*V0APP9STD050
Misc Info : MSV~12094~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071211q.b/8260Bs0.m
Meth Date : 12-Dec-2007 09:14 kcb Quant Type: ISTD
Cal Date : 12-DEC-2007 04:34 Cal File: x1339.d
Als bottle: 38 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
3 1,3 Butadiene	39	1.826	1.826	(0.281)	84720	50.0000	48.5	9588
8 Ethyl Ether	59	2.659	2.659	(0.410)	386532	250.000	232	9621
15 Allyl Chloride	39	3.379	3.379	(0.520)	92895	50.0000	53.0	9058
17 Acetonitrile	41	4.218	4.218	(0.650)	193518	250.000	253	8896
19 tert-butyl alcohol	59	4.125	4.125	(0.635)	84461	50.0000	58.3	8174
25 Isopropyl Ether	45	4.425	4.425	(0.682)	608772	50.0000	49.4	9431
28 Chloroprene	53	4.492	4.492	(0.692)	180237	50.0000	52.0	9118
32 Ethyl Acetate	43	5.658	5.658	(0.872)	2172112	250.000	253	8555
33 Proprionitrile	54	6.131	6.131	(0.945)	358606	250.000	263	9437
35 2-Butanol	45	5.758	5.758	(0.887)	123510	100.000	101	7581
36 Tetrahydrofuran	42	5.665	5.665	(0.873)	936921	250.000	250	8038
37 Methylacrylonitrile	41	6.138	6.138	(0.946)	221071	50.0000	53.1	3588
45 Isobutyl Alcohol	43	6.378	6.378	(0.983)	251000	250.000	255	9477

168626

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
44	2-2-4 trimethyl Pentane	57	5.945	5.945	(0.916)	503272	50.0000	53.3	9509
* 49	FLUOROBENZENE	96	6.491	6.491	(1.000)	657804	50.0000		9747
51	N-Butyl Alcohol	56	7.031	7.031	(1.083)	203659	250.000	259	9524
56	2,3-Dichloro-1-propene	75	7.131	7.131	(1.099)	334910	50.0000	50.4	8991
57	Methyl Methacrylate	69	7.371	7.371	(1.136)	249913	50.0000	50.4	9025
59	1,4-Dioxane	58	7.418	7.418	(1.143)	154958	1250.00	1340	8910
63	1-Nitropropane	43	8.197	8.197	(1.263)	75453	50.0000	51.5	8839
73	Ethyl Methacrylate	41	8.497	8.497	(0.915)	254499	50.0000	46.7	9022
74	2-Nitroprpoane	43	8.831	8.831	(0.951)	35085	50.0000	50.3	8582
* 85	Chlorobenzene-d5	82	9.284	9.284	(1.000)	342952	50.0000		2222
97	1-5 Cyclooctadiene	67	6.138	6.138	(0.661)	146996	50.0000	50.5	3149(M1)
100	Cyclohexanone	55	10.657	10.657	(0.944)	363730	50.0000	49.7	9273
* 115	1,4-DICHLOROBENZENE-D4	152	11.290	11.290	(1.000)	321284	50.0000		4104

QC Flag Legend

M1- Compound response manually integrated because Target system did not integrate.

168627

Data File: /var/chem/msv0.i/20071211q.b/x1339.d

Page 1

Date : 12-DEC-2007 04:34

Client ID: V0APP9STD050

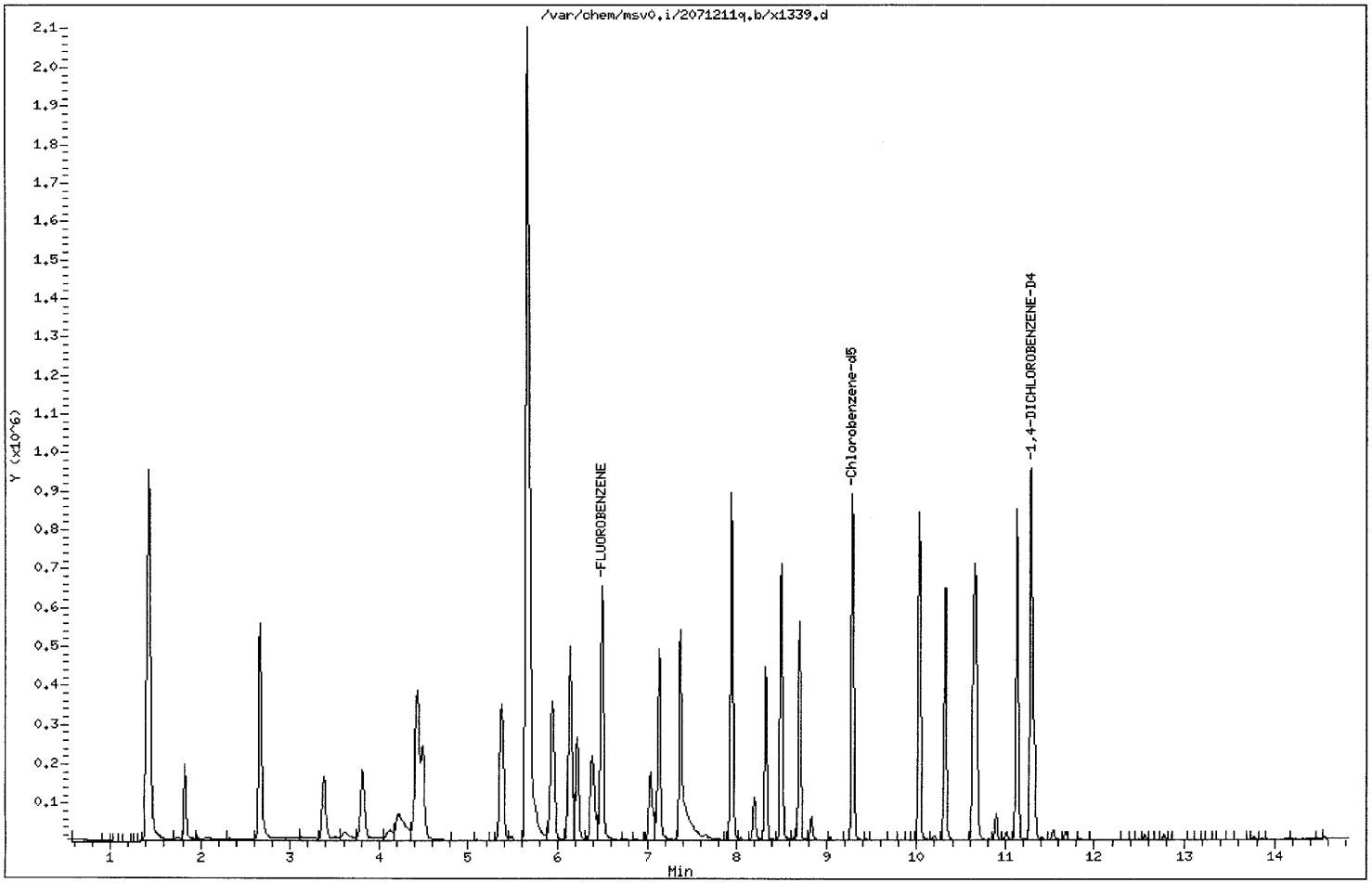
Instrument: msv0.i

Sample Info: 1203*V0APP9STD050

Operator: KCB

Column phase: DB-624-30M

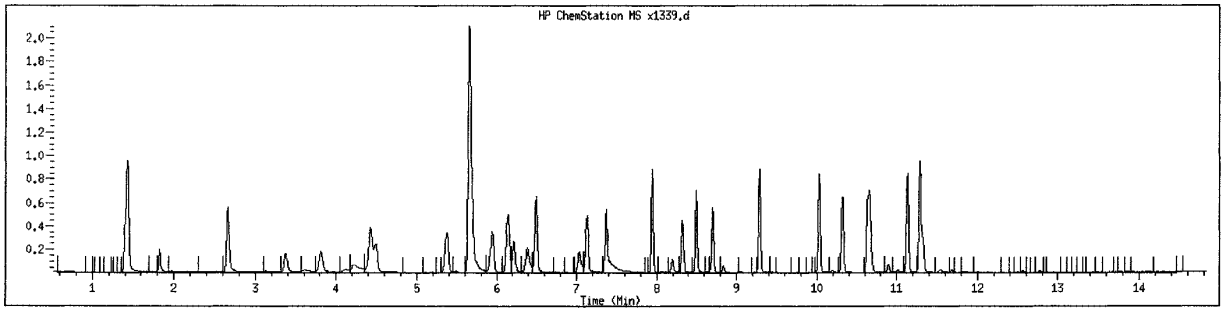
Column diameter: 0.53



Data file : /var/chem/msv0.i/2071211q.b/x1339.d Page: 1
Report Date: 12/12/2007 09:14

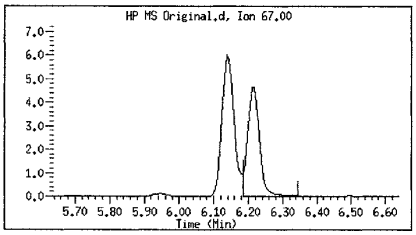
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1203 SampleType : CALIB_3
Injection Date: 12/12/2007 04:34 Instrument : msv0.i
Operator : KCB
Sample Info : 1203*V0APP9STD050
Misc Info : MSV~12094~*1*JCK
Method : /var/chem/msv0.i/2071211q.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: APP9



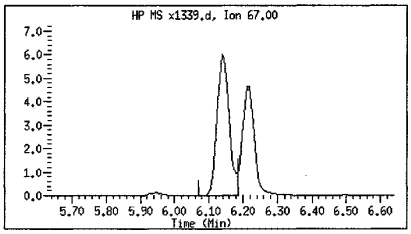
Original Final

97 1-5 Cyclooctadiene CAS#: 111-78-4 Reason: M1



Electronic Signature
Applied

User: kcb
Date: 12/12/2007 08:59



M1 - Target system did not integrate

168629

GCAL, Inc.

Data file : /var/chem/msv0.i/2071211q.b/x1340.d
Lab Smp Id: 1204 Client Smp ID: V0APP9STD100
Inj Date : 12-DEC-2007 04:56
Operator : KCB Inst ID: msv0.i
Smp Info : 1204*V0APP9STD100
Misc Info : MSV~12094~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071211q.b/8260Bs0.m
Meth Date : 12-Dec-2007 09:14 kcb Quant Type: ISTD
Cal Date : 12-DEC-2007 04:56 Cal File: x1340.d
Als bottle: 39 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
3 1,3 Butadiene	39	1.824	1.824	(0.281)	163817	100.000	93.7	9666
8 Ethyl Ether	59	2.657	2.657	(0.409)	658985	500.000	532	9639
15 Allyl Chloride	39	3.371	3.371	(0.519)	176394	100.000	102	9203
17 Acetonitrile	41	4.224	4.224	(0.651)	359582	500.000	478	9356
19 tert-butyl alcohol	59	4.124	4.124	(0.635)	147476	100.000	101	8729
25 Isopropyl Ether	45	4.424	4.424	(0.682)	1190079	100.000	95.7	0(M1)
28 Chloroprene	53	4.484	4.484	(0.691)	346181	100.000	99.0	8984
32 Ethyl Acetate	43	5.657	5.657	(0.872)	4035847	500.000	466	8815
33 Proprionitrile	54	6.130	6.130	(0.945)	657331	500.000	477	9462
35 2-Butanol	45	5.757	5.757	(0.887)	214393	200.000	202	7488
36 Tetrahydrofuran	42	5.663	5.663	(0.873)	1700999	500.000	449	7933
37 Methylacrylonitrile	41	6.137	6.137	(0.946)	421098	100.000	103	3589(H)
45 Isobutyl Alcohol	43	6.383	6.383	(0.984)	453966	500.000	496	9539

168630

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
44 2-2-4 trimethyl Pentane	57	5.943	5.943	(0.916)	886723	100.000	93.0	9478
* 49 FLUOROBENZENE	96	6.490	6.490	(1.000)	663986	50.0000		9802
51 N-Butyl Alcohol	56	7.036	7.036	(1.084)	358976	500.000	453	9566
56 2,3-Dichloro-1-propene	75	7.130	7.130	(1.099)	670773	100.000	100	8897
57 Methyl Methacrylate	69	7.370	7.370	(1.136)	473280	100.000	94.6	9061
59 1,4-Dioxane	58	7.416	7.416	(1.143)	266947	2500.00	2280	9037
63 1-Nitropropane	43	8.196	8.196	(1.263)	148460	100.000	101	9162
73 Ethyl Methacrylate	41	8.496	8.496	(0.915)	503559	100.000	90.6	9048
74 2-Nitroprpoane	43	8.836	8.836	(0.952)	74052	100.000	104	9051
* 85 Chlorobenzene-d5	82	9.282	9.282	(1.000)	349481	50.0000		2255
97 1-5 Cyclooctadiene	67	6.143	6.143	(0.662)	282234	100.000	95.2	3759(M1)
100 Cyclohexanone	55	10.662	10.662	(0.945)	681535	100.000	92.5	9303
* 115 1,4-DICHLOROBENZENE-D4	152	11.289	11.289	(1.000)	323737	50.0000		4119

QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

168631

Data File: /var/chem/msv0.i/2071211q.b/x1340.d

Page 1

Date : 12-DEC-2007 04:56

Client ID: V0APP9STD100

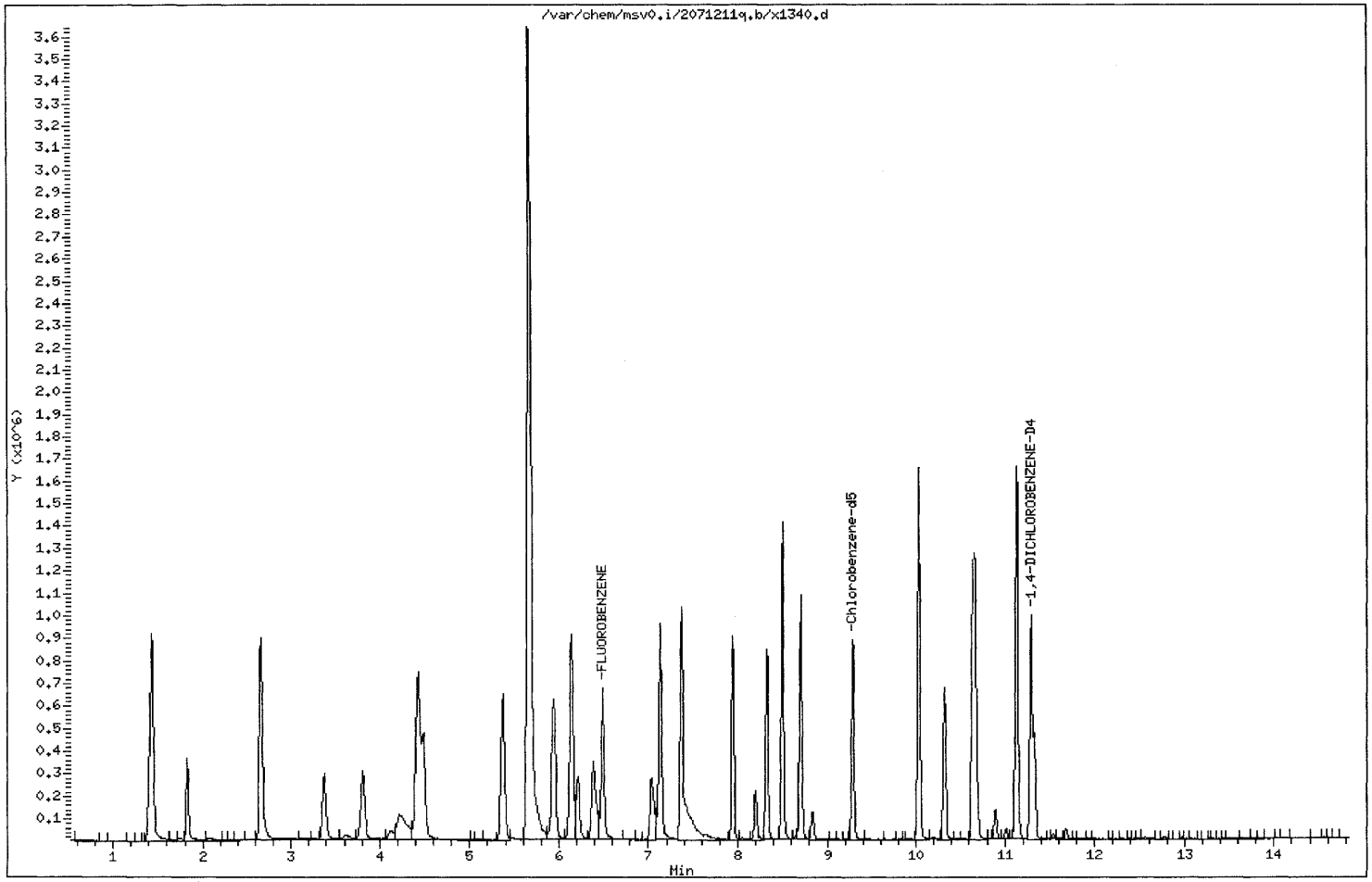
Instrument: msv0.i

Sample Info: 1204*V0APP9STD100

Operator: KCB

Column phase: DB-624-30M

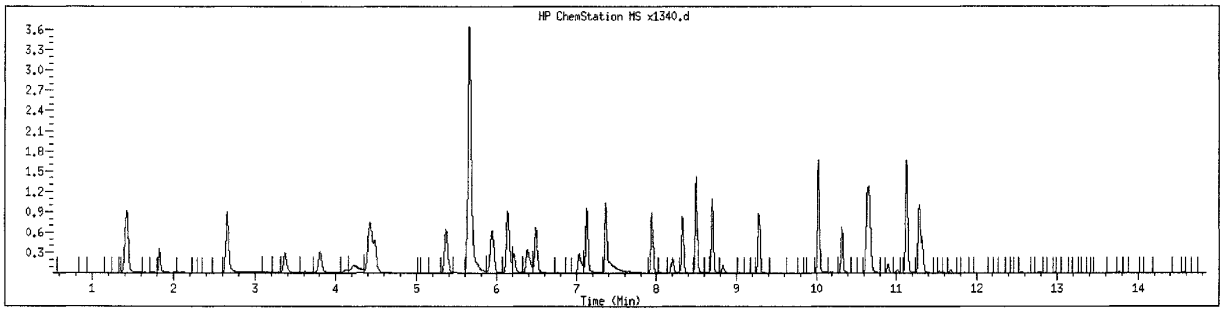
Column diameter: 0.53



Data file : /var/chem/msv0.i/2071211q.b/x1340.d Page: 1
Report Date: 12/12/2007 09:14

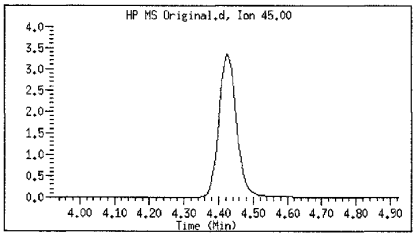
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1204 SampleType : CALIB_4
Injection Date: 12/12/2007 04:56 Instrument : msv0.i
Operator : KCB
Sample Info : 1204*V0APP9STD100
Misc Info : MSV~12094~*1*JCK
Method : /var/chem/msv0.i/2071211q.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: APP9



Original Final

25 Isopropyl Ether CAS#: 108-20-3 Reason: M1



Electronic Signature
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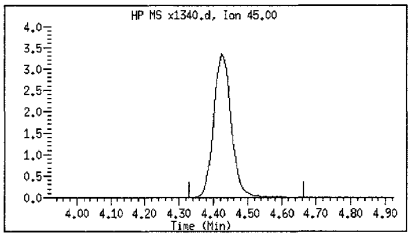
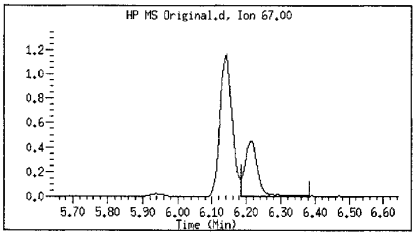
User: kcb
Date: 12/12/2007 08:57



97 1-5 Cyclooctadiene CAS#: 111-78-4 Reason: M1



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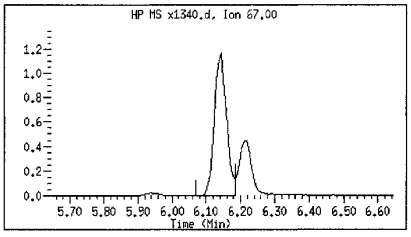
Date: 12/12/2007 08:58



168633

M1 - Target system did not integrate

168634

GCAL, Inc.

Data file : /var/chem/msv0.i/2071211q.b/x1341.d
Lab Smp Id: 1205 Client Smp ID: V0APP9STD200
Inj Date : 12-DEC-2007 05:17
Operator : KCB Inst ID: msv0.i
Smp Info : 1205*V0APP9STD200
Misc Info : MSV~12094~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071211q.b/8260Bs0.m
Meth Date : 12-Dec-2007 09:14 kcb Quant Type: ISTD
Cal Date : 12-DEC-2007 05:17 Cal File: x1341.d
Als bottle: 40 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
3	1,3 Butadiene	39	1.821	1.821	(0.281)	353778	200.000	203	9785(A)
8	Ethyl Ether	59	2.654	2.654	(0.409)	946980	1000.00	988	9754
15	Allyl Chloride	39	3.361	3.361	(0.518)	341119	200.000	198	9306
17	Acetonitrile	41	4.227	4.227	(0.652)	749673	1000.00	1010	9193(A)
19	tert-butyl alcohol	59	4.160	4.160	(0.641)	254923	200.000	174	8926
25	Isopropyl Ether	45	4.427	4.427	(0.682)	2389055	200.000	191	0(M1)
28	Chloroprene	53	4.480	4.480	(0.691)	717576	200.000	205	8726(A)
32	Ethyl Acetate	43	5.660	5.660	(0.873)	7392486	1000.00	851	8892
33	Proprionitrile	54	6.133	6.133	(0.946)	1197464	1000.00	866	9513
35	2-Butanol	45	5.773	5.773	(0.890)	343751	400.000	399	4528(M1)
36	Tetrahydrofuran	42	5.667	5.667	(0.874)	3058794	1000.00	805	7813
37	Methylacrylonitrile	41	6.140	6.140	(0.947)	802957	200.000	198	3546(H)
45	Isobutyl Alcohol	43	6.393	6.393	(0.986)	806862	1000.00	1000	9550(A)

168635

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
44 2-2-4 trimethyl Pentane	57	5.940	5.940	(0.916)	1855932	200.000	194	9455
* 49 FLUOROBENZENE	96	6.486	6.486	(1.000)	665956	50.0000		9737
51 N-Butyl Alcohol	56	7.040	7.040	(1.085)	623224	1000.00	784	9622
56 2,3-Dichloro-1-propene	75	7.126	7.126	(1.099)	1345131	200.000	200	8895
57 Methyl Methacrylate	69	7.373	7.373	(1.137)	947365	200.000	189	8994
59 1,4-Dioxane	58	7.426	7.426	(1.145)	479287	5000.00	4080	8954
63 1-Nitropropane	43	8.199	8.199	(1.264)	293375	200.000	199	9379
73 Ethyl Methacrylate	41	8.493	8.493	(0.915)	980636	200.000	179	9026
74 2-Nitroprpoane	43	8.833	8.833	(0.951)	139717	200.000	198	9337
* 85 Chlorobenzene-d5	82	9.286	9.286	(1.000)	344235	50.0000		2258
97 1-5 Cyclooctadiene	67	6.140	6.140	(0.661)	536681	200.000	184	5135(M1)
100 Cyclohexanone	55	10.665	10.665	(0.945)	1234351	200.000	169	9281
* 115 1,4-DICHLOROBENZENE-D4	152	11.285	11.285	(1.000)	320425	50.0000		4134

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M1- Compound response manually integrated because Target system did not integrate.
H - Operator selected an alternate compound hit.

168636

Data File: /var/chem/msv0.i/2071211q.b/x1341.d

Page 1

Date : 12-DEC-2007 05:17

Client ID: V0APP9STD200

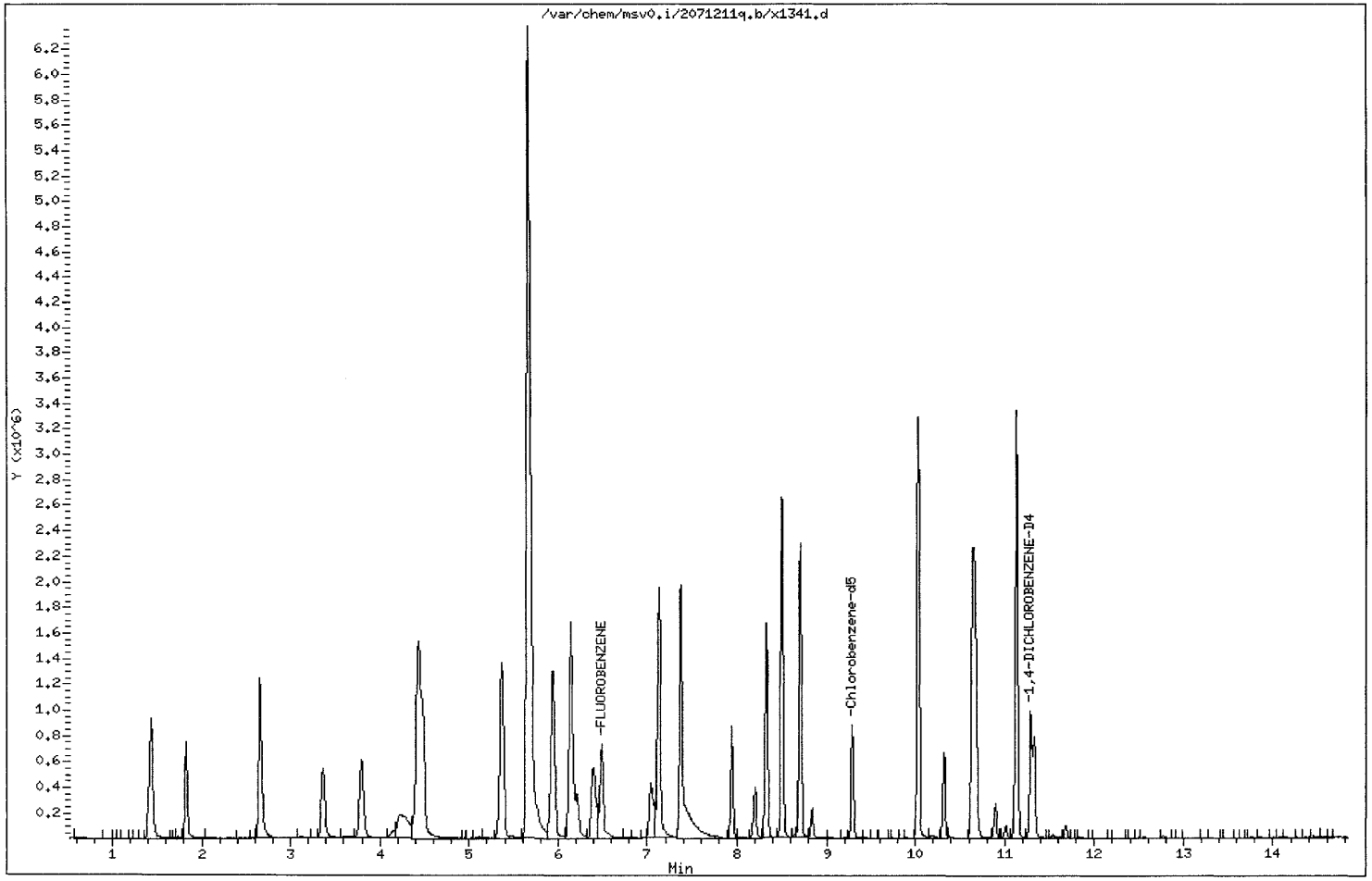
Instrument: msv0.i

Sample Info: 1205*V0APP9STD200

Operator: KCB

Column phase: DB-624-30M

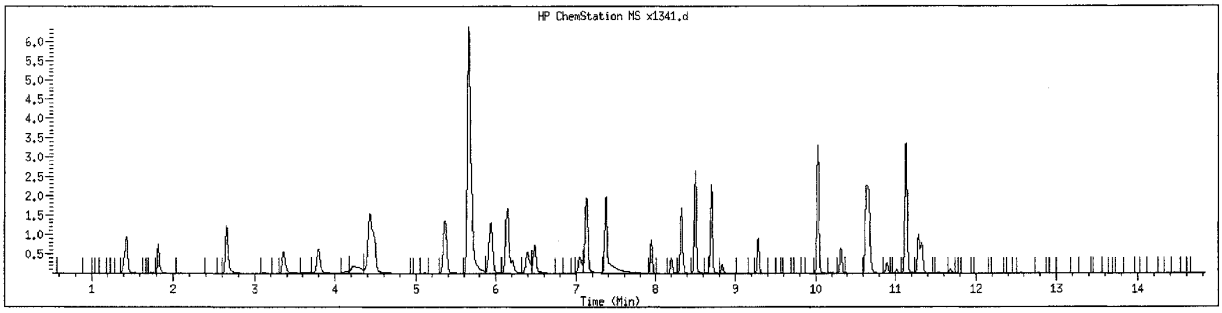
Column diameter: 0.53



Data file : /var/chem/msv0.i/2071211q.b/x1341.d Page: 1
Report Date: 12/12/2007 09:14

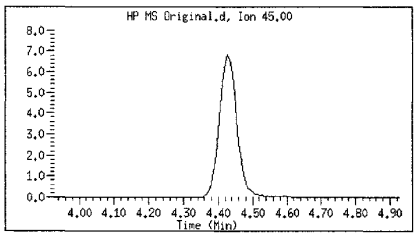
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1205 SampleType : CALIB_5
Injection Date: 12/12/2007 05:17 Instrument : msv0.i
Operator : KCB
Sample Info : 1205*V0APP9STD200
Misc Info : MSV~12094~*1*JCK
Method : /var/chem/msv0.i/2071211q.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: APP9



Original Final

25 Isopropyl Ether CAS#: 108-20-3 Reason: M1



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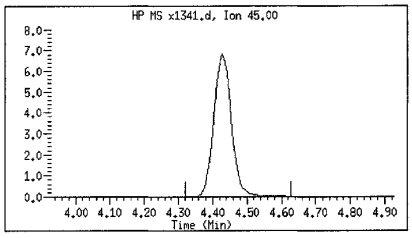
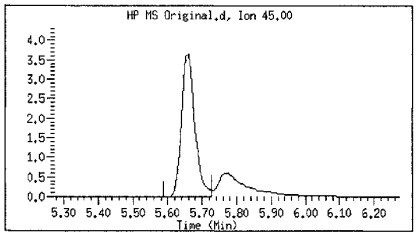


35 2-Butanol CAS#: 15892-23-6 Reason: M1



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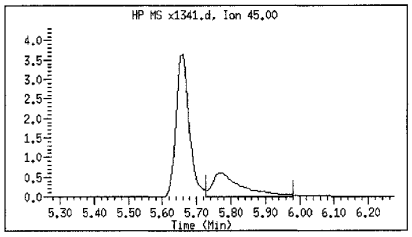
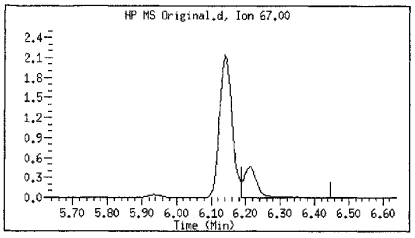
User: kcb
Date: 12/12/2007 08:55



168638

Original Final

97 1-5 Cyclooctadiene CAS#: 111-78-4 Reason: M1



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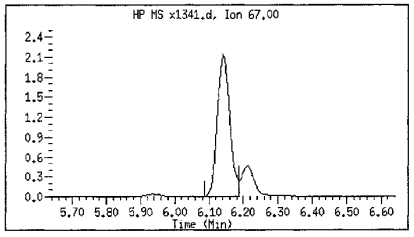


M1 - Target system did not integrate

168639

Data File: /var/chem/msv0.i/2071211q.b/x1343.d
Report Date: 12-Dec-2007 09:14

GCAL, Inc.

RECOVERY REPORT

Client Name:
Client SDG: 2071211q
Sample Matrix: SOLID
Fraction: VOA
Lab Smp Id: 1600
Client Smp ID: APP9ICV
Level: LOW
Operator: KCB
Data Type: MS DATA
SampleType: LCS
SpikeList File: APP9.spk
Quant Type: ISTD
Sublist File: APP9.sub
Method File: /var/chem/msv0.i/2071211q.b/8260Bs0.m
Misc Info: MSV~12094~*1*JCK

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
8 Ethyl Ether	250	254	101.63	75-125
17 Acetonitrile	250	302	120.95	75-125
15 Allyl Chloride	50.0	51.0	101.94	75-125
19 tert-butyl alcohol	50.0	50.3	100.55	75-125
28 Chloroprene	50.0	49.6	99.22	75-125
33 Proprionitrile	250	233	93.05	75-125
32 Ethyl Acetate	250	235	94.09	75-125
25 Isopropyl Ether	50.0	48.5	97.06	75-125
57 Methyl Methacrylate	50.0	48.0	96.01	75-125
59 1,4-Dioxane	1250	1120	89.75	75-125
56 2,3-Dichloro-1-propene	50.0	49.9	99.72	75-125
73 Ethyl Methacrylate	50.0	45.0	89.99	75-125
3 1,3 Butadiene	50.0	47.8	95.58	75-125
45 Isobutyl Alcohol	250	206	82.22	75-125
122 Benzal chloride	100	0.00	*	75-125
51 N-Butyl Alcohol	250	217	86.67	75-125
35 2-Butanol	100	81.6	81.65	75-125
111 Pentachloroethane	50.0	0.00	*	75-125
100 Cyclohexanone	50.0	44.2	88.32	75-125
37 Methylacrylonitrile	50.0	49.6	99.26	75-125
36 Tetrahydrofuran	250	223	89.40	75-125
63 1-Nitropropane	50.0	44.3	88.54	75-125
74 2-Nitroprpoane	50.0	40.0	79.97	75-125
97 1-5 Cyclooctadiene	50.0	46.9	93.74	75-125
44 2-2-4 trimethyl Pentane	50.0	48.8	97.56	75-125

168640

GCAL, Inc.

Data file : /var/chem/msv0.i/2071211q.b/x1343.d
Lab Smp Id: 1600 Client Smp ID: APP9ICV
Inj Date : 12-DEC-2007 06:01
Operator : KCB Inst ID: msv0.i
Smp Info : 1600*APP9ICV
Misc Info : MSV~12094~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071211q.b/8260Bs0.m
Meth Date : 12-Dec-2007 09:14 kcb Quant Type: ISTD
Cal Date : 12-DEC-2007 05:17 Cal File: x1341.d
Als bottle: 42 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
3 1,3 Butadiene	39	1.826	1.821	(0.281)	82089	47.7879	47.8	9592
8 Ethyl Ether	59	2.659	2.654	(0.410)	403308	254.066	254	9564
15 Allyl Chloride	39	3.379	3.361	(0.520)	87831	50.9692	51.0	9057
17 Acetonitrile	41	4.225	4.227	(0.651)	225144	302.366	302	9120
19 tert-butyl alcohol	59	4.118	4.160	(0.634)	71590	50.2726	50.3	7732
25 Isopropyl Ether	45	4.425	4.427	(0.682)	587567	48.5307	48.5	9429
28 Chloroprene	53	4.485	4.480	(0.691)	168816	49.6091	49.6	9107
32 Ethyl Acetate	43	5.651	5.660	(0.871)	1982026	235.214	235	8901
33 Proprionitrile	54	6.131	6.133	(0.945)	312068	232.615	233	9503
35 2-Butanol	45	5.751	5.773	(0.886)	101009	81.6493	81.6	7356
36 Tetrahydrofuran	42	5.665	5.667	(0.873)	824159	223.496	223	8009
37 Methylacrylonitrile	41	6.138	6.140	(0.946)	203555	49.6320	49.6	3589
45 Isobutyl Alcohol	43	6.378	6.393	(0.983)	202233	205.555	206	9493

168641

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
44 2-2-4 trimethyl Pentane	57	5.938	5.940	(0.915)	452468	48.7775	48.8	9487
* 49 FLUOROBENZENE	96	6.491	6.486	(1.000)	646114	50.0000		9740
51 N-Butyl Alcohol	56	7.031	7.040	(1.083)	167173	216.671	217	9405
56 2,3-Dichloro-1-propene	75	7.131	7.126	(1.099)	325571	49.8600	49.9	8955
57 Methyl Methacrylate	69	7.371	7.373	(1.136)	233634	48.0056	48.0	9071
59 1,4-Dioxane	58	7.424	7.426	(1.144)	127742	1121.88	1120	8829
63 1-Nitropropane	43	8.197	8.199	(1.263)	63786	44.2724	44.3	8629
73 Ethyl Methacrylate	41	8.491	8.493	(0.915)	241229	44.9926	45.0	9113
74 2-Nitroprpoane	43	8.831	8.833	(0.951)	27351	39.9841	40.0	8465
* 85 Chlorobenzene-d5	82	9.284	9.286	(1.000)	337301	50.0000		2235
97 1-5 Cyclooctadiene	67	6.138	6.140	(0.661)	134125	46.8685	46.9	3041(M3)
100 Cyclohexanone	55	10.664	10.665	(0.945)	318951	44.1609	44.2	9295
* 115 1,4-DICHLOROBENZENE-D4	152	11.290	11.285	(1.000)	317298	50.0000		4107

QC Flag Legend

M3- Compound response manually integrated because
Target system integrated incorrect peak.

168642

Data File: /var/chem/msv0.i/2071211q.b/x1343.d

Page 1

Date : 12-DEC-2007 06:01

Client ID: APP9ICV

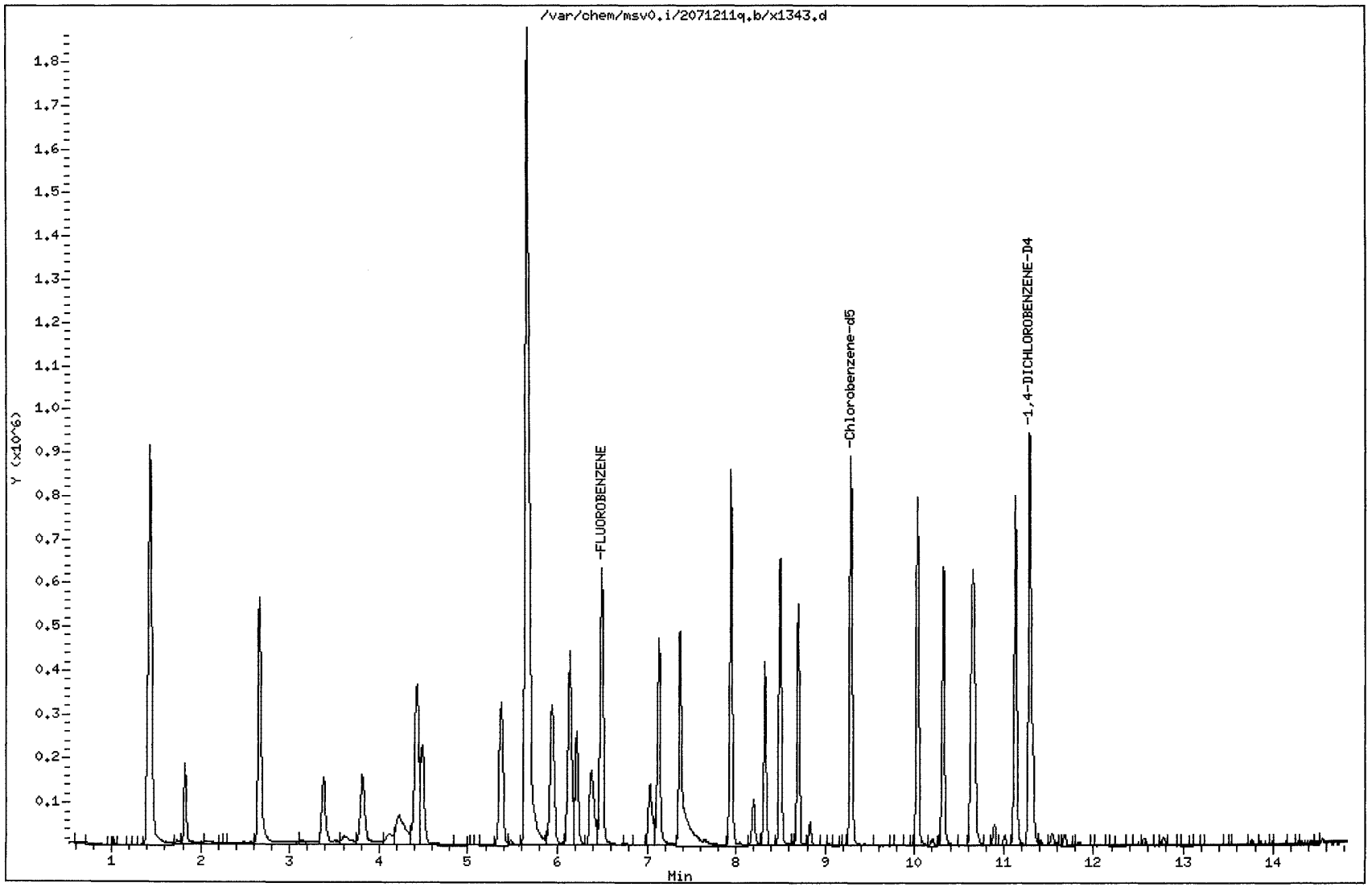
Instrument: msv0.i

Sample Info: 1600xAPP9ICV

Operator: KCB

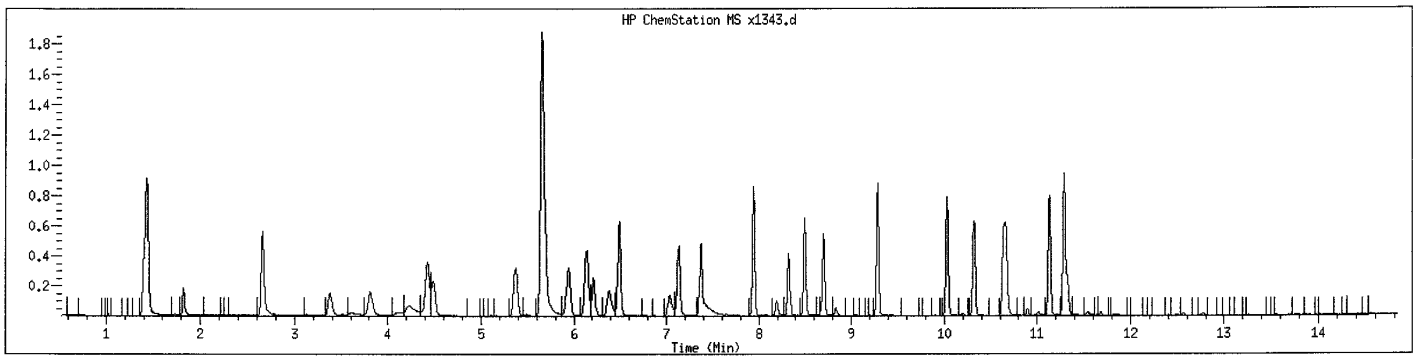
Column phase: DB-624-30M

Column diameter: 0.53



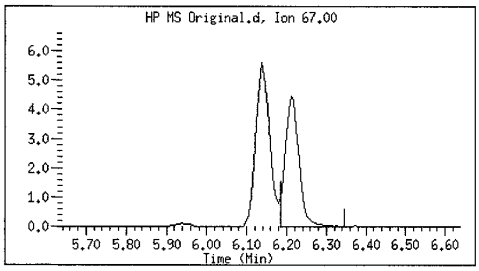
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1600 SampleType : LCS
Injection Date: 12/12/2007 06:01 Instrument : msv0.i
Operator : KCB
Sample Info : 1600*APP9ICV
Misc Info : MSV~12094~*1*JCK
Method : /var/chem/msv0.i/2071211q.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: APP9



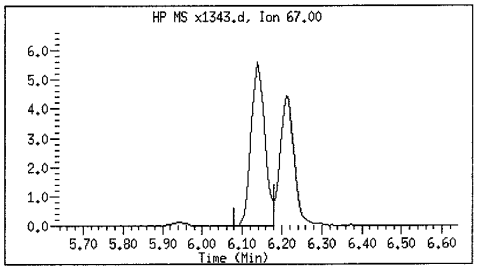
Original Final

97 1-5 Cyclooctadiene CAS#: 111-78-4 Reason: M3



Electronic Signature
Applied

User: kcb
Date: 12/12/2007 09:03



M3 - Target system integrated incorrect peak

168644

GCAL, Inc.

Data file : /var/chem/msv0.i/2071230.b/x1903.d
Lab Smp Id: 1000 Client Smp ID: V0BFB01
Inj Date : 30-DEC-2007 10:57
Operator : JCK Inst ID: msv0.i
Smp Info : 1000*V0BFB01
Misc Info : MSV~12193~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071230.b/bfb0.m
Meth Date : 05-Dec-2007 11:25 kcb Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb					CAS #: 460-00-4		
10.332	10.335 (0.000)	95	90132			100.00- 100.00	100.00
10.332	10.335 (0.000)	50	13658			15.00- 40.00	15.15
10.332	10.335 (0.000)	75	40644			30.00- 60.00	45.09
10.332	10.335 (0.000)	96	6181			5.00- 9.00	6.86
10.332	10.335 (0.000)	173	0			0.00- 2.00	0.00
10.332	10.335 (0.000)	174	72470			50.00- 120.00	80.40
10.332	10.335 (0.000)	175	5491			5.00- 9.00	7.58
10.332	10.335 (0.000)	176	70212			95.00- 101.00	96.88
10.332	10.335 (0.000)	177	4638			5.00- 9.00	6.61

168645

Data File: /var/chem/msv0.i/2071230.b/x1903.d

Date : 30-DEC-2007 10:57

Client ID: V0BFB01

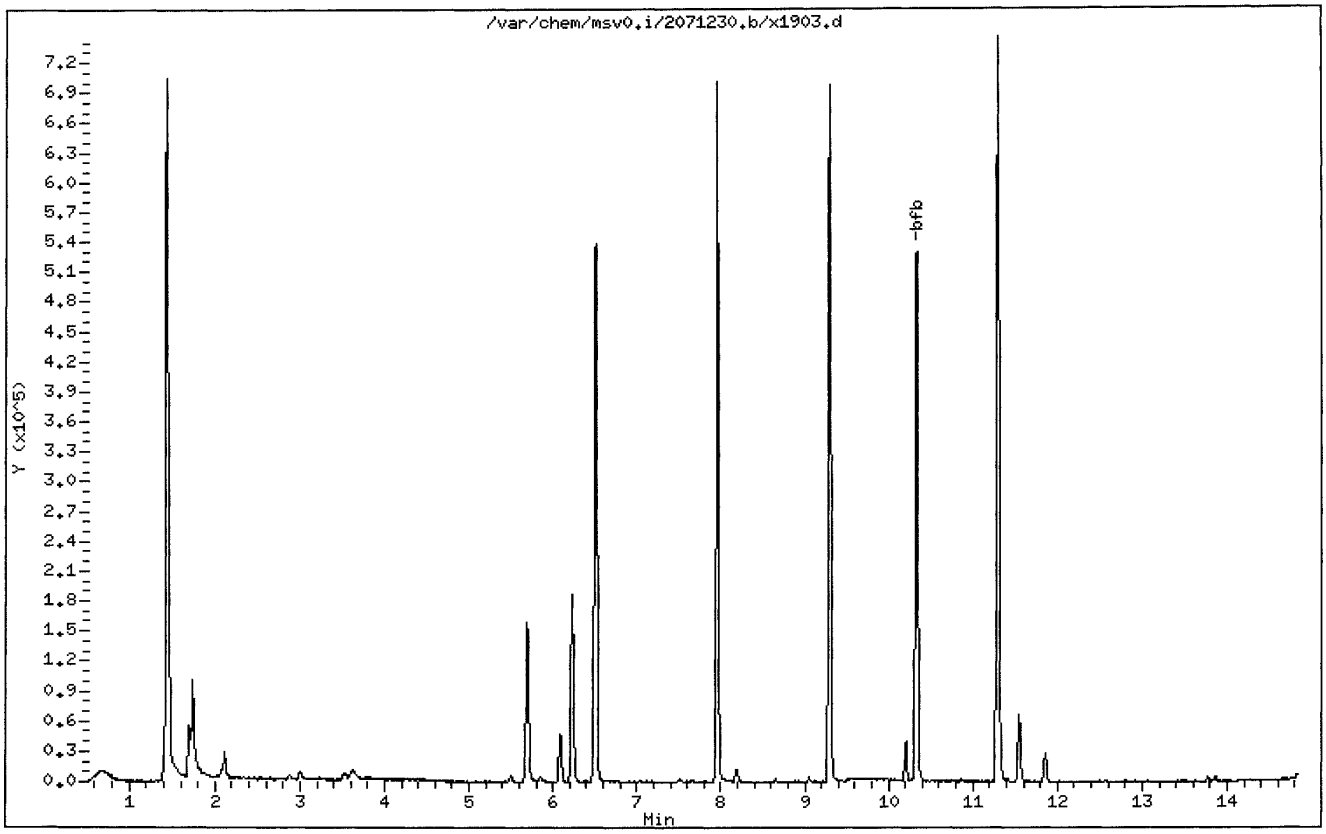
Instrument: msv0.i

Sample Info: 1000*V0BFB01

Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53



168646

Data File: /var/chem/msv0.i/2071230.b/x1903.d

Date : 30-DEC-2007 10:57

Client ID: V0BFB01

Instrument: msv0.i

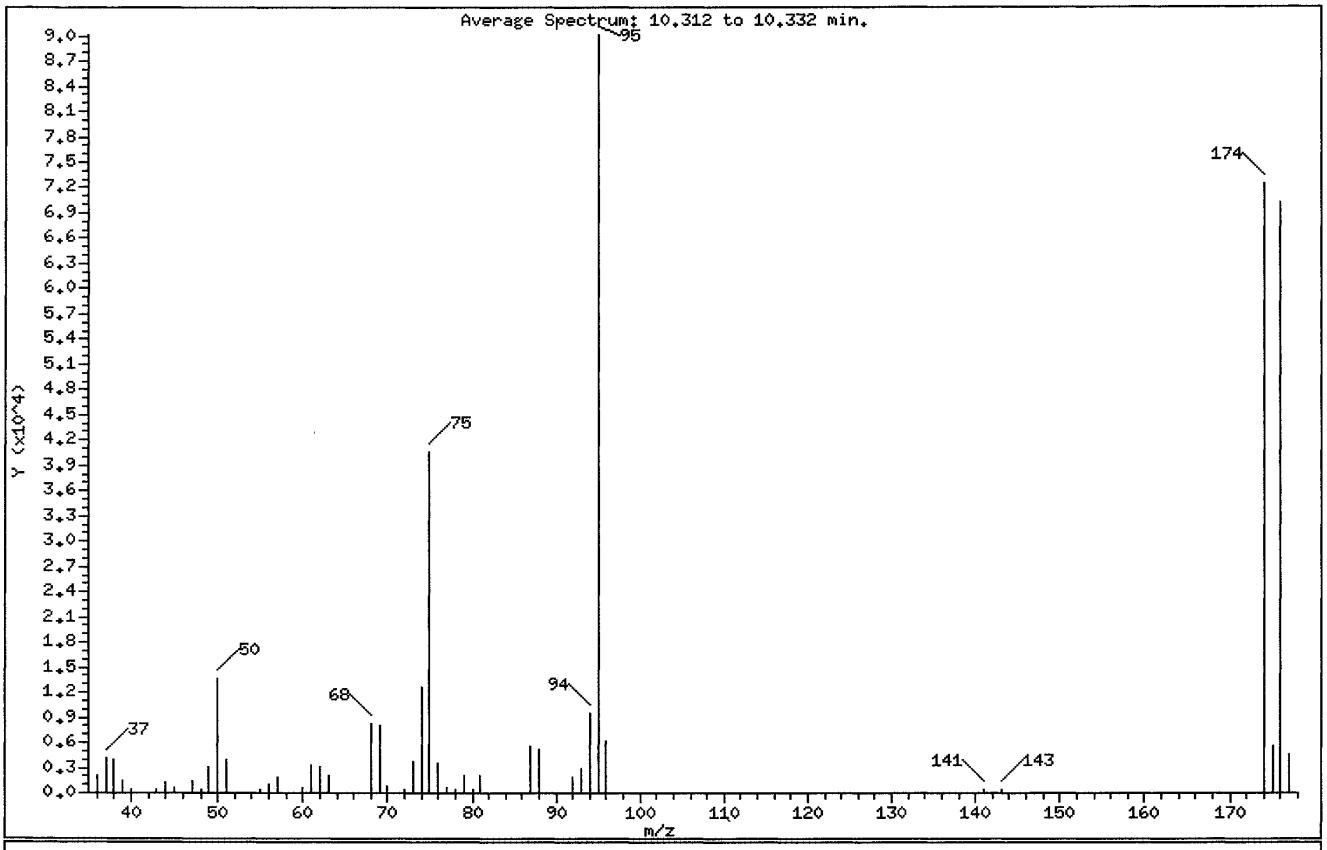
Sample Info: 1000xV0BFB01

Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.15
75	30.00 - 60.00% of mass 95	45.09
96	5.00 - 9.00% of mass 95	6.86
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	80.40
175	5.00 - 9.00% of mass 174	6.09 (7.58)
176	95.00 - 101.00% of mass 174	77.90 (96.88)
177	5.00 - 9.00% of mass 176	5.15 (6.61)

168647

Data File: /var/chem/msv0.i/2071230.b/x1903.d

Date : 30-DEC-2007 10:57

Client ID: V0BFB01

Instrument: msv0.i

Sample Info: 1000*V0BFB01

Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53

Data File: x1903.d
Spectrum: Average Spectrum: 10.312 to 10.332 min.
Location of Maximum: 95.00
Number of points: 47

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2034	51.00	4005	73.00	3743	92.00	1933
37.00	4104	55.00	334	74.00	12633	93.00	2880
38.00	3880	56.00	1006	75.00	40640	94.00	9543
39.00	1377	57.00	1883	76.00	3531	95.00	90128
40.00	329	60.00	701	77.00	634	96.00	6181
43.00	343	61.00	3234	78.00	461	141.00	338
44.00	1167	62.00	3154	79.00	2154	143.00	353
45.00	613	63.00	2086	80.00	476	174.00	72464
47.00	1400	68.00	8385	81.00	2091	175.00	5491
48.00	381	69.00	8044	82.00	100	176.00	70208
49.00	3080	70.00	917	87.00	5542	177.00	4638
50.00	13658	72.00	429	88.00	5219		

168648

GCAL, Inc.

Data file : /var/chem/msv0.i/2071230.b/x1904.d
Lab Smp Id: 1206 Client Smp ID: V0STD002
Inj Date : 30-DEC-2007 11:42
Operator : JCK Inst ID: msv0.i
Smp Info : 1206*V0STD002*6-13-9
Misc Info : MSV~12193~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071230.b/8260Bs0.m
Meth Date : 30-Dec-2007 20:12 jck Quant Type: ISTD
Cal Date : 12-DEC-2007 03:07 Cal File: x1335.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
1	Dichlorodifluoromethane	85	1.572	1.572	(0.241)	7198	2.00000	2.05	3642
2	Chloromethane ++	50	1.739	1.739	(0.267)	35363	2.00000	3.98	8465
4	Vinyl Chloride +	62	1.819	1.819	(0.279)	5772	2.00000	1.88	4787
5	Bromomethane	94	2.112	2.112	(0.324)	18749	2.00000	5.00	7475
6	Chloroethane	64	2.232	2.232	(0.343)	2074	2.00000	1.93	0(M1)
7	Trichlorofluoromethane	101	2.358	2.358	(0.362)	5033	2.00000	2.05	5273
11	1,1-Dichloroethene +	96	2.872	2.872	(0.441)	3519	2.00000	1.91	7661
14	Carbon Disulfide	76	2.892	2.892	(0.444)	23486	2.00000	2.62	8011
9	1,1,2Trichlotrifluoroethane	101	2.925	2.925	(0.449)	4527	2.00000	1.91	7140
13	Methyl Iodide	142	3.018	3.018	(0.464)	3873	2.00000	2.28	4500
10	Acrolein	56	3.252	3.252	(0.499)	5399	10.0000	10.3	5644
18	Methylene Chloride	49	3.532	3.532	(0.542)	13871	2.00000	4.61	8542
12	Acetone	43	3.625	3.625	(0.557)	18613	2.00000	2.09	6727

168649

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.725	3.725	(0.572)	4703	2.00000	1.90	6616
	16 Methyl Acetate	43	3.791	3.791	(0.582)	8339	2.00000	2.79	6031(M2)
	23 Hexane	57	3.845	3.845	(0.591)	7165	2.00000	2.36	7893(M2)
	20 MTBE	73	3.905	3.905	(0.600)	13699	2.00000	1.96	6912
	26 1,1-Dichloroethane ++	63	4.551	4.551	(0.699)	7098	2.00000	1.96	0(M1)
	22 Acrylonitrile	53	4.625	4.625	(0.710)	18213	10.0000	9.40	8922
	27 Vinyl Acetate	43	4.898	4.898	(0.752)	8992	2.00000	2.08	
	30 cis-1,2-Dichloroethene	61	5.191	5.191	(0.797)	5671	2.00000	1.91	8147
	29 2,2-Dichloropropane	77	5.304	5.304	(0.815)	5328	2.00000	2.12	0(M1)
	39 Cyclohexane	56	5.391	5.391	(0.828)	7494	2.00000	1.97	8153
	34 Bromochloromethane	128	5.411	5.411	(0.831)	1990	2.00000	1.52	8347
	38 Chloroform +	83	5.498	5.498	(0.844)	18316	2.00000	3.74	8821
	42 Carbon Tetrachloride	117	5.631	5.631	(0.865)	4413	2.00000	1.93	0(M1)
$	41 Dibromofluoromethane	111	5.691	5.691	(0.874)	4829	2.00000	2.09	7044
	40 1,1,1-Trichloroethane	97	5.711	5.711	(0.877)	5141	2.00000	1.94	7376
	43 1,1-Dichloropropene	75	5.838	5.838	(0.897)	6837	2.00000	2.00	7807
	31 2-Butanone	43	5.844	5.844	(0.898)	14594	2.00000	3.19	(M1)
	46 Benzene	78	6.091	6.091	(0.935)	34890	2.00000	3.04	9327
$	47 1,2-Dichloroethane-d4	67	6.231	6.231	(0.957)	2678	2.00000	2.18	8245
	48 1,2-Dichloroethane	62	6.298	6.298	(0.967)	5613	2.00000	1.97	0(M1)
*	49 FLUOROBENZENE	96	6.511	6.511	(1.000)	559220	50.0000		9584
	52 Methyl cyclohexane	83	6.651	6.651	(1.021)	9841	2.00000	2.08	7962
	50 Trichloroethene	130	6.671	6.671	(1.025)	7399	2.00000	2.06	9452
	58 Dibromomethane	93	7.064	7.064	(1.085)	3437	2.00000	1.88	8120
	54 1,2-Dichloropropane +	63	7.157	7.157	(1.099)	5153	2.00000	1.90	8473
	61 Bromodichloromethane	83	7.224	7.224	(1.110)	7928	2.00000	2.11	6888
	64 1-Bromo-2-chloroethane	63	7.651	7.651	(1.175)	10143	2.00000	1.92	7712
	65 cis-1,3-Dichloropropene	75	7.791	7.791	(1.197)	9426	2.00000	1.91	
$	67 Toluene-d8	98	7.957	7.957	(0.856)	21594	2.00000	2.65	9219
	68 Toluene +	91	8.004	8.004	(0.861)	25812	2.00000	2.23	9147
	66 4-methyl-2-pentanone	43	8.344	8.344	(1.282)	12482	2.00000	1.93	
	78 Tetrachloroethene	164	8.337	8.337	(0.897)	5240	2.00000	2.09	9156
	71 trans-1,3-Dichloropropene	75	8.370	8.370	(0.900)	8420	2.00000	1.91	(M1)
	76 1,1,2-Trichloroethane	97	8.504	8.504	(0.915)	5452	2.00000	1.88	8381
	81 Dibromochloromethane	129	8.657	8.657	(0.931)	6230	2.00000	1.92	6855
	79 1,3-Dichloropropane	76	8.744	8.744	(0.940)	10642	2.00000	2.00	8547
	83 1,2-Dibromoethane(EDB)	107	8.864	8.864	(0.953)	5860	2.00000	1.90	7798
	80 2-Hexanone	43	9.057	9.057	(0.974)	12000	2.00000	2.07	8482
	84 1-Chlorohexane	91	9.284	9.284	(1.426)	9452	2.00000	2.21	0(M1)
*	85 Chlorobenzene-d5	82	9.297	9.297	(1.000)	241730	50.0000		2540
	86 Chlorobenzene ++	112	9.310	9.310	(1.001)	15058	2.00000	2.09	2507
	87 Ethylbenzene +	106	9.330	9.330	(1.004)	7479	2.00000	2.07	9254
	89 1,1,1,2-Tetrachloroethane	133	9.364	9.364	(1.007)	4893	2.00000	1.87	7971
M	75 Total 1,2-Dichloroethene	61				10374	4.00000	3.81	0
	90 p,m-Xylene	106	9.450	9.450	(1.016)	19026	4.00000	4.15	9832
M	77 1-3 Dichloropropene-Total	100				17846	4.00000	3.82	0
	91 o-Xylene	106	9.817	9.817	(1.056)	9152	2.00000	2.04	

168650

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
92	Styrene	104	9.863	9.863	(1.061)	15923	2.00000	1.99	9234
95	Bromoform ++	173	9.897	9.897	(1.065)	4415	2.00000	1.69	6399
96	Isopropylbenzene	105	10.083	10.083	(1.085)	24705	2.00000	2.13	9246
$ 98	Bromofluorobenzene	174	10.330	10.330	(1.111)	8988	2.00000	2.85	8829
102	Bromobenzene	77	10.430	10.430	(0.923)	12949	2.00000	2.14	8839
103	n-Propylbenzene	91	10.437	10.437	(0.924)	33703	2.00000	2.18	9615
101	1,1,2,2-Tetrachloroethane++	83	10.497	10.497	(0.929)	8847	2.00000	1.91	0(M1)
105	2-Chlorotoluene	91	10.577	10.577	(0.936)	20840	2.00000	2.17	9583
107	1,3,5-Trimethylbenzene	105	10.597	10.597	(0.938)	20280	2.00000	2.10	
104	1,2,3-Trichloropropane	75	10.617	10.617	(0.940)	10857	2.00000	1.90	9229
106	trans-1,4-Dichloro-2-Butene	53	10.643	10.643	(0.942)	189	2.00000	2.75	0(M1)
108	4-Chlorotoluene	91	10.717	10.717	(0.949)	19211	2.00000	2.13	8949(H)
109	tert-butylbenzene	91	10.877	10.877	(0.963)	11429	2.00000	2.09	9137(M2)
110	1,2,4-Trimethylbenzene	105	10.937	10.937	(0.968)	20404	2.00000	2.09	
112	sec-Butylbenzene	105	11.030	11.030	(0.976)	28106	2.00000	2.15	
113	p-Isopropyltoluene	119	11.143	11.143	(0.986)	22500	2.00000	2.14	9226
114	1,3-Dichlorobenzene	146	11.236	11.236	(0.995)	15008	2.00000	2.18	
* 115	1,4-DICHLOROBENZENE-D4	152	11.296	11.296	(1.000)	238547	50.0000		4248
117	1,4-Dichlorobenzene	146	11.310	11.310	(1.001)	15693	2.00000	2.17	
119	n-Butylbenzene	91	11.536	11.536	(1.021)	24035	2.00000	2.17	8980
120	1,2-Dichlorobenzene	146	11.710	11.710	(1.037)	13563	2.00000	2.04	
121	1,2-Dibromo-3-Chloropropane	157	12.576	12.576	(1.113)	2378	2.00000	1.49	6779
124	Hexachlorobutadiene	225	13.369	13.369	(1.183)	3369	2.00000	1.91	0(M1)
123	1,2,4-Trichlorobenzene	180	13.409	13.409	(1.187)	8331	2.00000	2.03	
126	1,2,3-Trichlorobenzene	180	13.969	13.969	(1.237)	8434	2.00000	2.05	
M 127	TOTAL XYLENE	106				28178	6.00000	6.18	0

QC Flag Legend

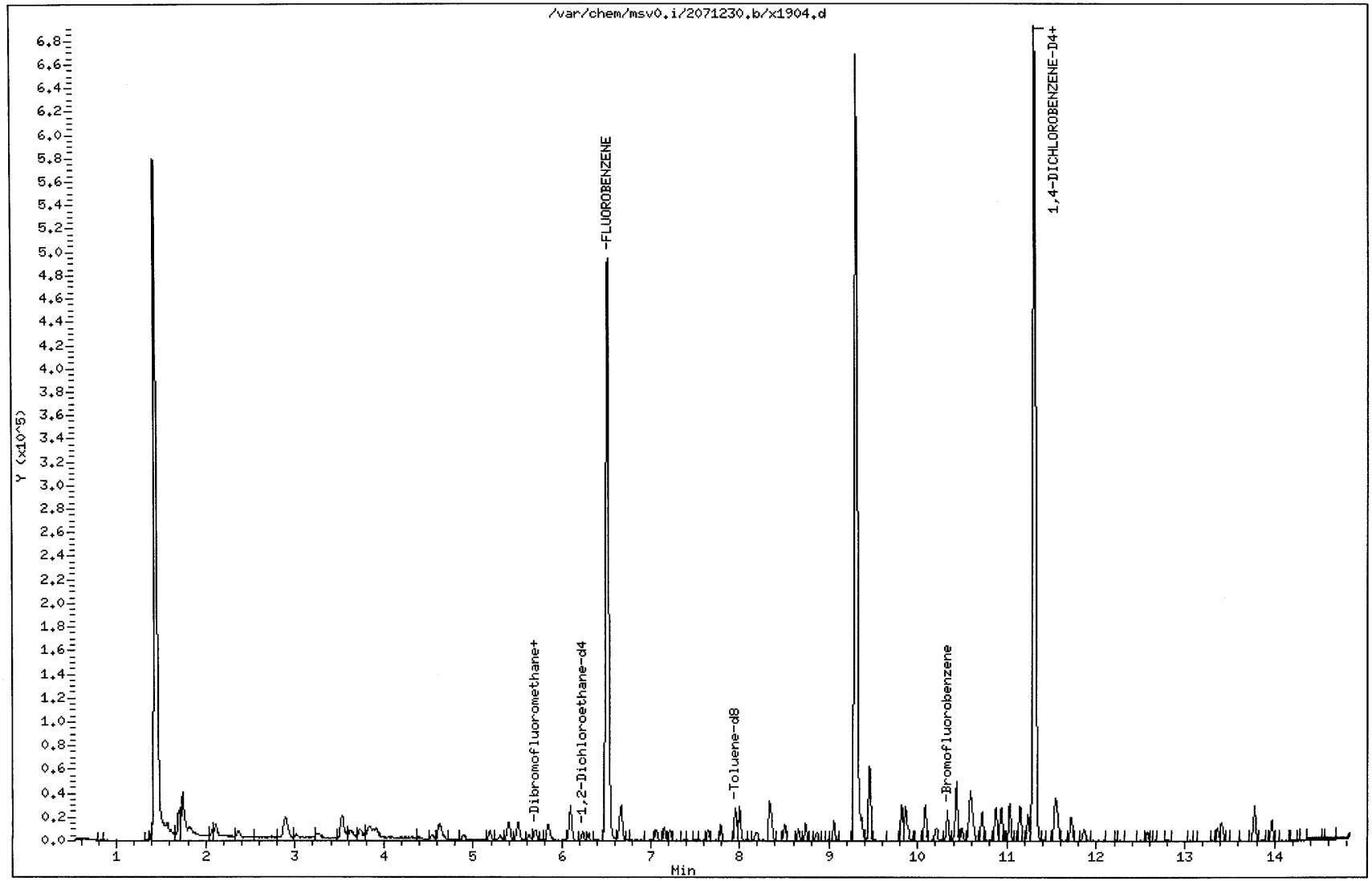
M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

168651

Data File: /var/chem/msv0.i/2071230.b/x1904.d
Date : 30-DEC-2007 11:42
Client ID: VOSTD002
Sample Info: 1206*VOSTD002*6-13-9

Instrument: msv0.i
Operator: JCK
Column diameter: 0.53

Column phase: DB-624-30M



Data file : /var/chem/msv0.i/2071230.b/x1904.d
Report Date: 12/30/2007 20:12

MANUAL INTEGRATION GRAPHIC REPORT

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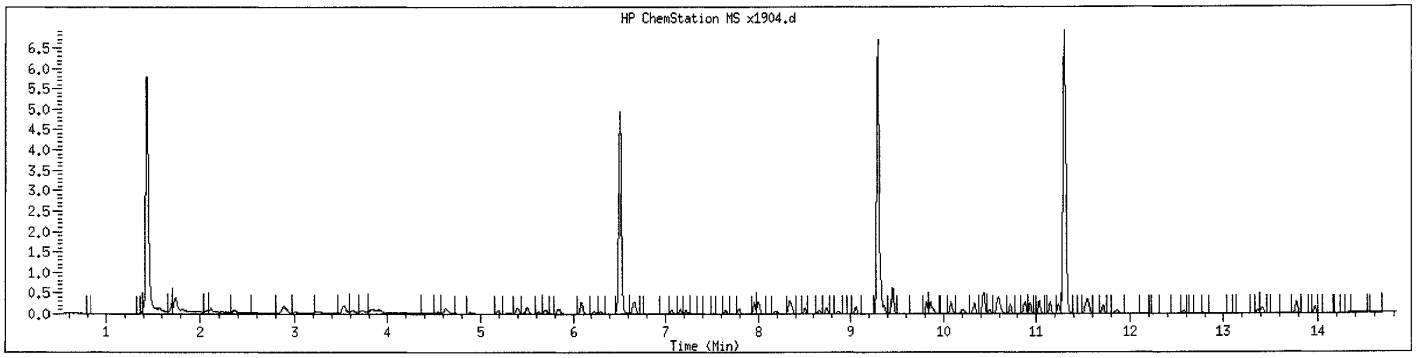
Injection Date	: 12/30/2007 11:42	Instrument	: msv0.i
Operator	: JCK		
Sample Info	: 1206*V0STD002*6-13-9		
Misc Info	: MSV~12193~*1*JCK		
Method	: /var/chem/msv0.i/2071230.b/8260Bs0.m		
Dilution	: 1.00		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist:	8260b



Original | Final

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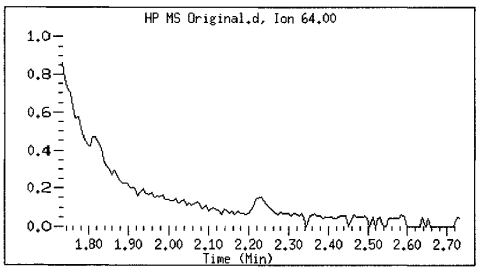
6 Chloroethane CAS#: 75-00-3 Reason: M1



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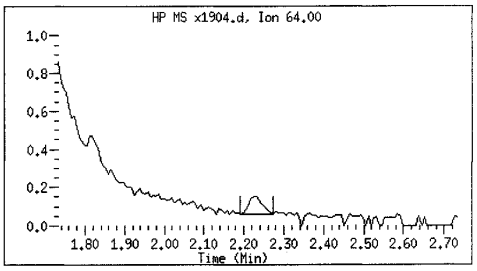
User: jck
Date: 12/30/2007 13:16



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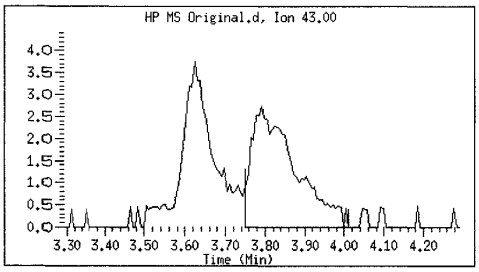
16 Methyl Acetate CAS#: 79-20-9 Reason: M2



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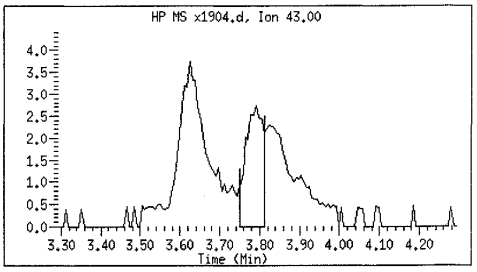
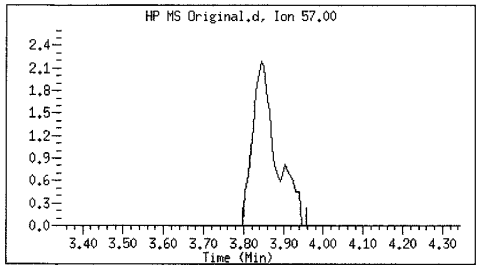


168653

Original Final

23 Hexane CAS#: 110-54-3 Reason: M2



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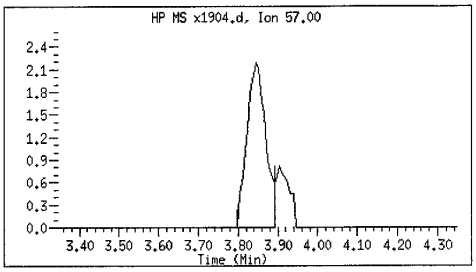

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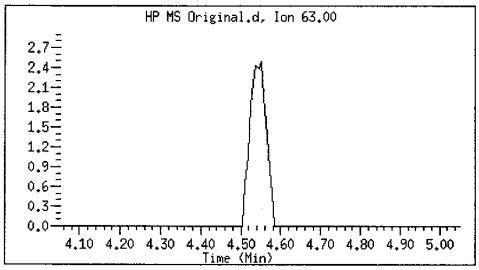
26 1,1-Dichloroethane ++ CAS#: 75-34-3 Reason: M1



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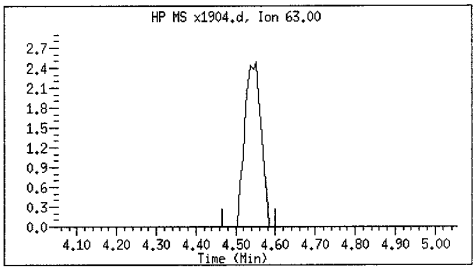

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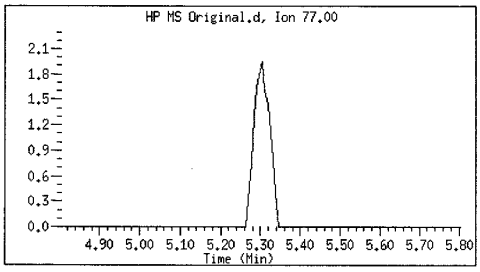
29 2,2-Dichloropropane CAS#: 594-20-7 Reason: M1



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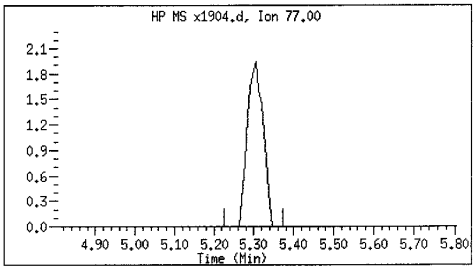

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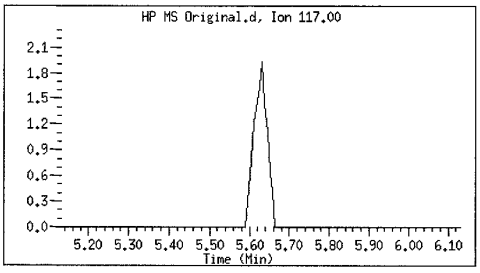
42 Carbon Tetrachloride CAS#: 56-23-5 Reason: M1



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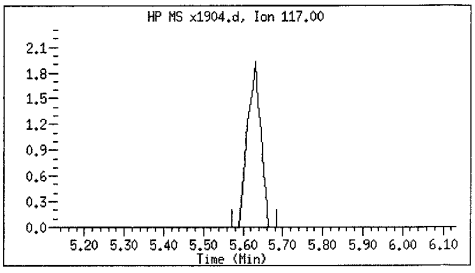

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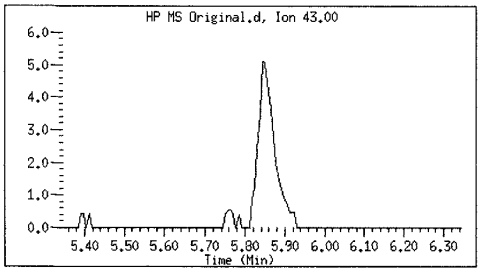
31 2-Butanone CAS#: 78-93-3 Reason: M1



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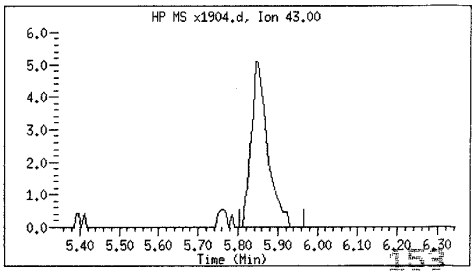
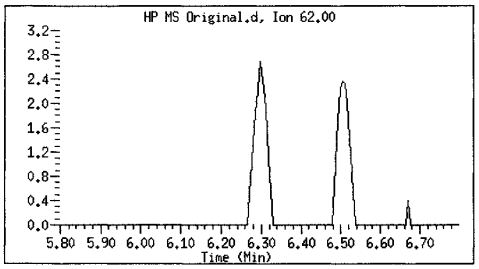


Original Final

48 1,2-Dichloroethane CAS#: 107-06-2 Reason: M1



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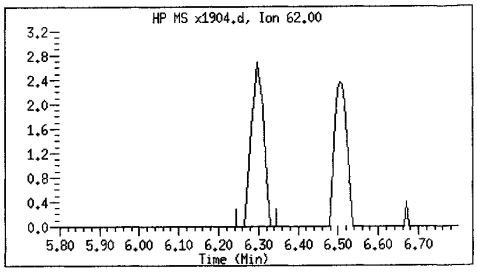
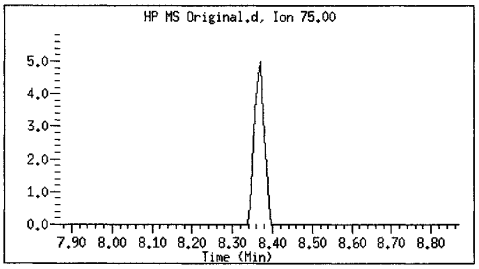


71 trans-1,3-Dichloropropene CAS#: 10061-02-6 Reason: M1



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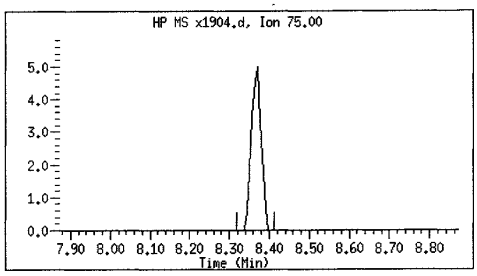
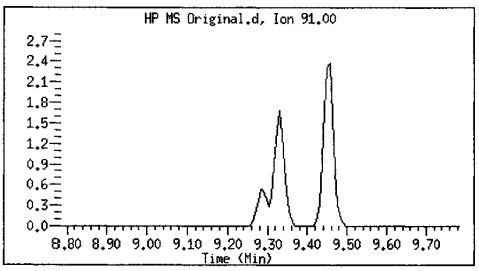


84 1-Chlorohexane CAS#: 544-10-5 Reason: M1



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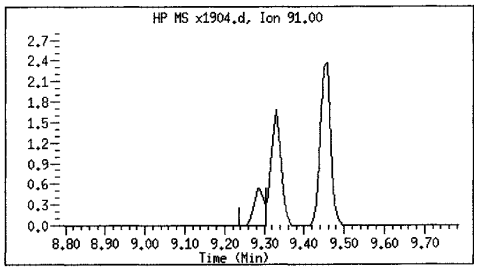
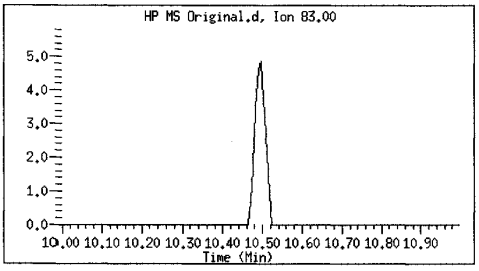


101 1,1,2,2-Tetrachloroethane++ CAS#: 79-34-5 Reason: M1



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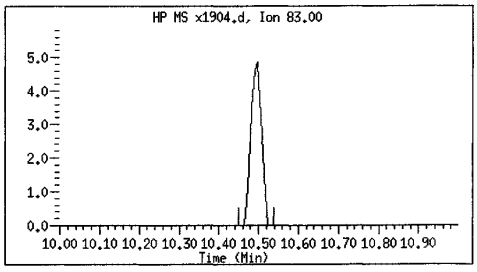
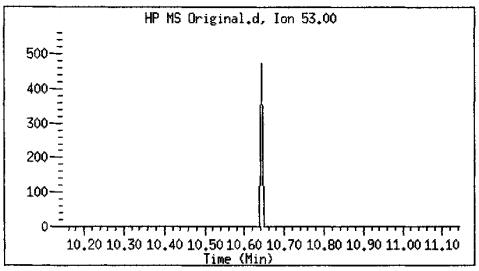


106 trans-1,4-Dichloro-2-Butene CAS#: 110-57-6 Reason: M1



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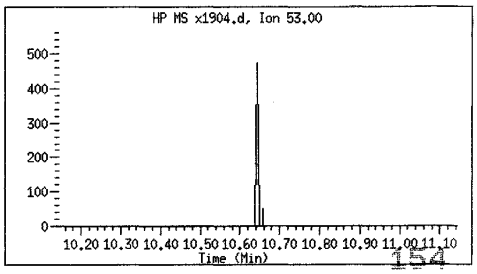
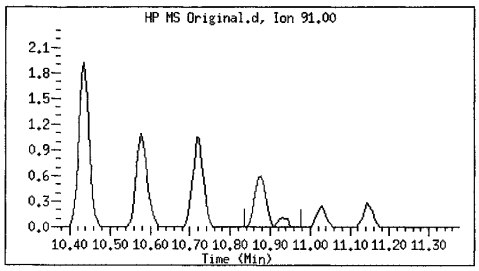


Original Final

109 tert-butylbenzene CAS#: 98-06-6 Reason: M2



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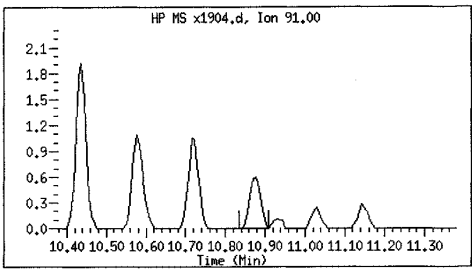
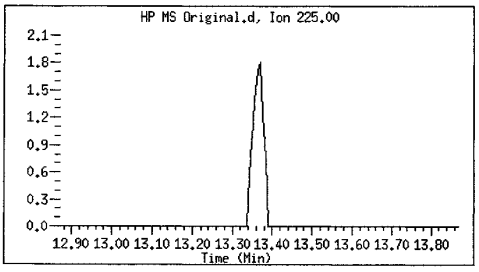


124 Hexachlorobutadiene CAS#: 87-68-3 Reason: M1



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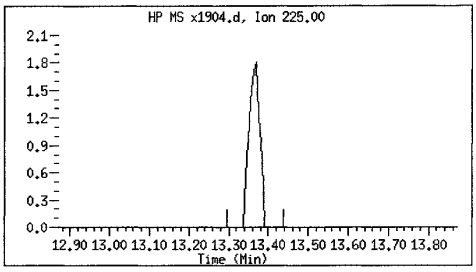

M1 - Target system did not integrate
M2 - Target system integrated incorrectly

168656

GCAL, Inc.

Data file : /var/chem/msv0.i/2071230.b/x1905.d
Lab Smp Id: 1201 Client Smp ID: V0STD005
Inj Date : 30-DEC-2007 12:04
Operator : JCK Inst ID: msv0.i
Smp Info : 1201*V0STD005*6-13-9
Misc Info : MSV~12193~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071230.b/8260Bs0.m
Meth Date : 30-Dec-2007 20:12 jck Quant Type: ISTD
Cal Date : 12-DEC-2007 03:29 Cal File: x1336.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1	Dichlorodifluoromethane	85	1.566	1.566	(0.241)	16886	5.00000	4.92	5788
2	Chloromethane ++	50	1.732	1.732	(0.266)	47116	5.00000	7.02	9061
4	Vinyl Chloride +	62	1.812	1.812	(0.279)	13790	5.00000	4.59	6758
5	Bromomethane	94	2.112	2.112	(0.325)	15913	5.00000	3.02	8356
6	Chloroethane	64	2.226	2.226	(0.342)	4786	5.00000	4.55	6492(M2)
7	Trichlorofluoromethane	101	2.359	2.359	(0.363)	12275	5.00000	5.13	7419
11	1,1-Dichloroethene +	96	2.865	2.865	(0.441)	8758	5.00000	4.87	8354
14	Carbon Disulfide	76	2.885	2.885	(0.444)	45056	5.00000	5.14	9134
9	1,1,2Trichlotrifluoroethane	101	2.912	2.912	(0.448)	11494	5.00000	4.97	8736
13	Methyl Iodide	142	3.005	3.005	(0.462)	9155	5.00000	5.52	7011
10	Acrolein	56	3.245	3.245	(0.499)	11395	25.0000	22.2	7026
18	Methylene Chloride	49	3.525	3.525	(0.542)	18352	5.00000	6.24	8964
12	Acetone	43	3.612	3.612	(0.555)	19614	5.00000	2.96	7427

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.732	3.732	(0.574)	12361	5.00000	5.12	8476
	16 Methyl Acetate	43	3.779	3.779	(0.581)	17290	5.00000	5.92	7484(M2)
	23 Hexane	57	3.832	3.832	(0.589)	16302	5.00000	5.48	8729(M2)
	20 MTBE	73	3.905	3.905	(0.600)	33713	5.00000	4.95	8509
	26 1,1-Dichloroethane ++	63	4.538	4.538	(0.698)	17443	5.00000	4.93	7962
	22 Acrylonitrile	53	4.625	4.625	(0.711)	46054	25.0000	24.3	9358
	27 Vinyl Acetate	43	4.892	4.892	(0.752)	22265	5.00000	5.27	
	30 cis-1,2-Dichloroethene	61	5.185	5.185	(0.797)	14139	5.00000	4.87	9144
	29 2,2-Dichloropropane	77	5.298	5.298	(0.815)	12651	5.00000	5.16	8696
	39 Cyclohexane	56	5.385	5.385	(0.828)	19074	5.00000	5.13	8670
	34 Bromochloromethane	128	5.398	5.398	(0.830)	5676	5.00000	4.42	9051
	38 Chloroform +	83	5.498	5.498	(0.845)	29796	5.00000	6.22	9280
	42 Carbon Tetrachloride	117	5.625	5.625	(0.865)	11210	5.00000	5.02	8674
$	41 Dibromofluoromethane	111	5.691	5.691	(0.875)	10770	5.00000	4.77	8416
	40 1,1,1-Trichloroethane	97	5.698	5.698	(0.876)	12725	5.00000	4.92	8554
	43 1,1-Dichloropropene	75	5.831	5.831	(0.896)	16915	5.00000	5.06	9199
	31 2-Butanone	43	5.851	5.851	(0.900)	24349	5.00000	5.44	(M1)
	46 Benzene	78	6.085	6.085	(0.935)	62406	5.00000	5.57	9640
$	47 1,2-Dichloroethane-d4	67	6.225	6.225	(0.957)	5680	5.00000	4.72	8868
	48 1,2-Dichloroethane	62	6.298	6.298	(0.968)	13767	5.00000	4.94	9039
*	49 FLUOROBENZENE	96	6.505	6.505	(1.000)	546529	50.0000		9584
	52 Methyl cyclohexane	83	6.651	6.651	(1.023)	23115	5.00000	5.00	9076
	50 Trichloroethene	130	6.671	6.671	(1.026)	16897	5.00000	4.81	9493
	58 Dibromomethane	93	7.058	7.058	(1.085)	8796	5.00000	4.92	9254
	54 1,2-Dichloropropane +	63	7.158	7.158	(1.100)	13066	5.00000	4.94	9169
	61 Bromodichloromethane	83	7.218	7.218	(1.110)	18312	5.00000	4.98	8979
	64 1-Bromo-2-chloroethane	63	7.651	7.651	(1.176)	25060	5.00000	4.86	8547
	65 cis-1,3-Dichloropropene	75	7.791	7.791	(1.198)	23554	5.00000	4.87	
$	67 Toluene-d8	98	7.958	7.958	(0.856)	43144	5.00000	5.33	9473
	68 Toluene +	91	7.998	7.998	(0.860)	59261	5.00000	5.16	9547
	66 4-methyl-2-pentanone	43	8.338	8.338	(1.282)	31237	5.00000	4.95	
	78 Tetrachloroethene	164	8.338	8.338	(0.897)	12746	5.00000	5.13	9739
	71 trans-1,3-Dichloropropene	75	8.364	8.364	(0.900)	21198	5.00000	4.84	
	76 1,1,2-Trichloroethane	97	8.504	8.504	(0.915)	14167	5.00000	4.92	9517
	81 Dibromochloromethane	129	8.657	8.657	(0.931)	15562	5.00000	4.84	8806
	79 1,3-Dichloropropane	76	8.737	8.737	(0.940)	26036	5.00000	4.94	9334
	83 1,2-Dibromoethane(EDB)	107	8.864	8.864	(0.953)	15059	5.00000	4.93	8415
	80 2-Hexanone	43	9.051	9.051	(0.973)	28769	5.00000	5.00	9450
	84 1-Chlorohexane	91	9.284	9.284	(1.427)	19890	5.00000	4.76	0(M1)
*	85 Chlorobenzene-d5	82	9.297	9.297	(1.000)	239963	50.0000		3055
	86 Chlorobenzene ++	112	9.311	9.311	(1.001)	36187	5.00000	5.06	4306
	87 Ethylbenzene +	106	9.331	9.331	(1.004)	18072	5.00000	5.05	9791
	89 1,1,1,2-Tetrachloroethane	133	9.364	9.364	(1.007)	12750	5.00000	4.90	9230
M	75 Total 1,2-Dichloroethene	61				26500	10.0000	9.98	0
	90 p,m-Xylene	106	9.451	9.451	(1.016)	47328	10.0000	10.4	9845
M	77 1-3 Dichloropropene-Total	100				44752	10.0000	9.72	0
	91 o-Xylene	106	9.817	9.817	(1.056)	22258	5.00000	5.00	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
92	Styrene	104	9.864	9.864	(1.061)	39465	5.00000	4.96	9673
95	Bromoform ++	173	9.890	9.890	(1.064)	12287	5.00000	4.75	9075
96	Isopropylbenzene	105	10.084	10.084	(1.085)	58023	5.00000	5.03	9706
$ 98	Bromofluorobenzene	174	10.330	10.330	(1.111)	16462	5.00000	5.25	9238
102	Bromobenzene	77	10.424	10.424	(0.923)	31345	5.00000	5.19	9575
103	n-Propylbenzene	91	10.430	10.430	(0.923)	78667	5.00000	5.10	9363
101	1,1,2,2-Tetrachloroethane++	83	10.490	10.490	(0.929)	22957	5.00000	4.97	9034
105	2-Chlorotoluene	91	10.577	10.577	(0.936)	49264	5.00000	5.14	9309
107	1,3,5-Trimethylbenzene	105	10.597	10.597	(0.938)	49414	5.00000	5.12	
104	1,2,3-Trichloropropane	75	10.617	10.617	(0.940)	27845	5.00000	4.88	9429
106	trans-1,4-Dichloro-2-Butene	53	10.644	10.644	(0.942)	1944	5.00000	5.50	7905
108	4-Chlorotoluene	91	10.717	10.717	(0.949)	46802	5.00000	5.19	9669
109	tert-butylbenzene	91	10.870	10.870	(0.962)	28702	5.00000	5.25	9845
110	1,2,4-Trimethylbenzene	105	10.930	10.930	(0.968)	50874	5.00000	5.22	
112	sec-Butylbenzene	105	11.024	11.024	(0.976)	67223	5.00000	5.15	
113	p-Isopropyltoluene	119	11.144	11.144	(0.986)	54252	5.00000	5.16	9688
114	1,3-Dichlorobenzene	146	11.230	11.230	(0.994)	35379	5.00000	5.14	
* 115	1,4-DICHLOROBENZENE-D4	152	11.297	11.297	(1.000)	238192	50.0000		4599
117	1,4-Dichlorobenzene	146	11.310	11.310	(1.001)	37738	5.00000	5.22	
119	n-Butylbenzene	91	11.530	11.530	(1.021)	57098	5.00000	5.16	9692
120	1,2-Dichlorobenzene	146	11.710	11.710	(1.037)	34262	5.00000	5.16	
121	1,2-Dibromo-3-Chloropropane	157	12.570	12.570	(1.113)	7589	5.00000	4.75	8351
124	Hexachlorobutadiene	225	13.363	13.363	(1.183)	8842	5.00000	5.02	8980
123	1,2,4-Trichlorobenzene	180	13.410	13.410	(1.187)	21138	5.00000	5.15	
125	Napthalene	128	13.776	13.776	(1.219)	157746	5.00000	9.85	9698
126	1,2,3-Trichlorobenzene	180	13.970	13.970	(1.237)	21060	5.00000	5.13	
M 127	TOTAL XYLENE	106				69586	15.0000	15.4	0

QC Flag Legend

M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.

168659

Data File: /var/chem/msv0.i/2071230.b/x1905.d

Date : 30-DEC-2007 12:04

Client ID: VOSTD005

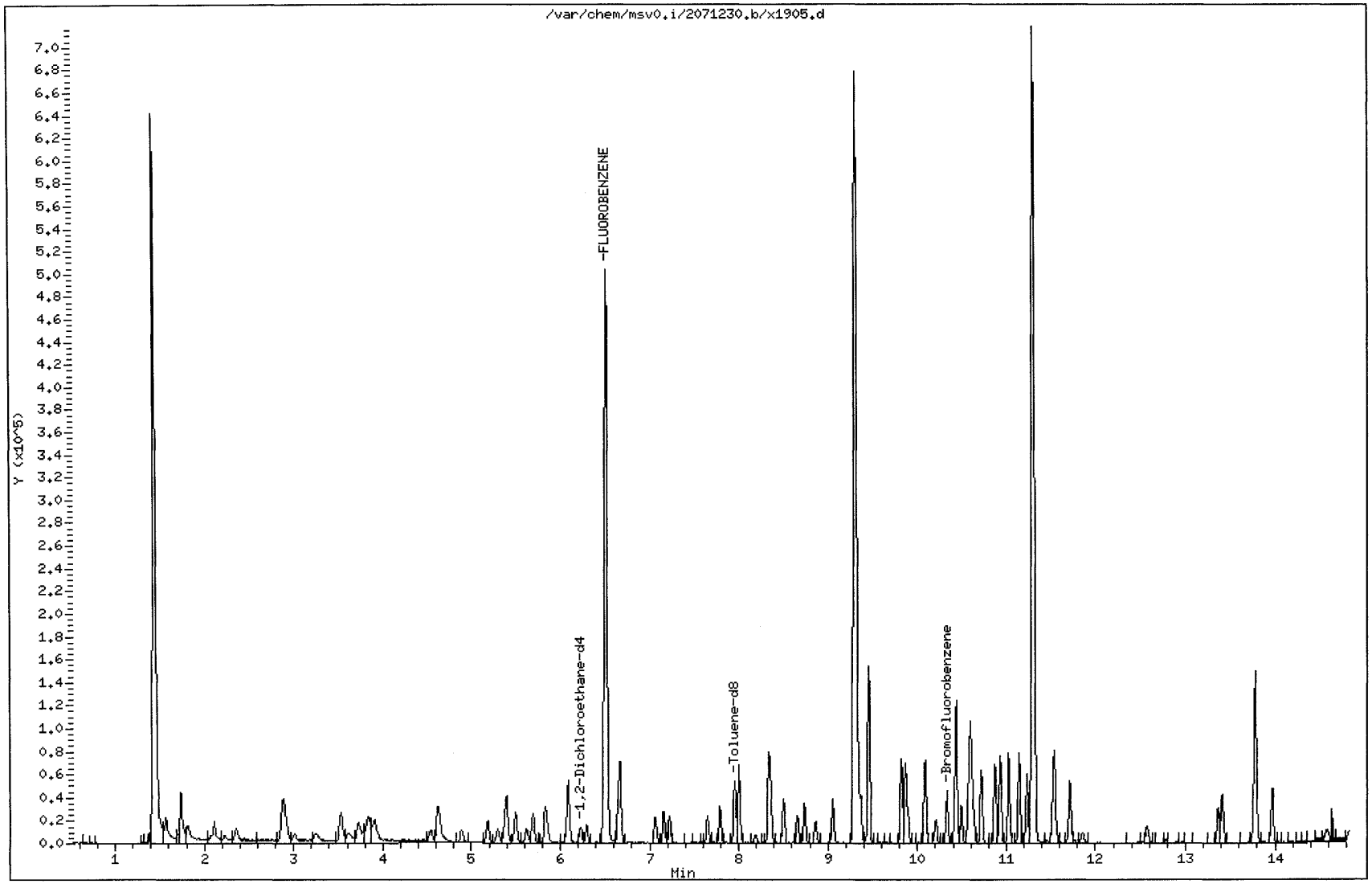
Sample Info: 1201*VOSTD005*6-13-9

Column phase: DB-624-30M

Instrument: msv0.i

Operator: JCK

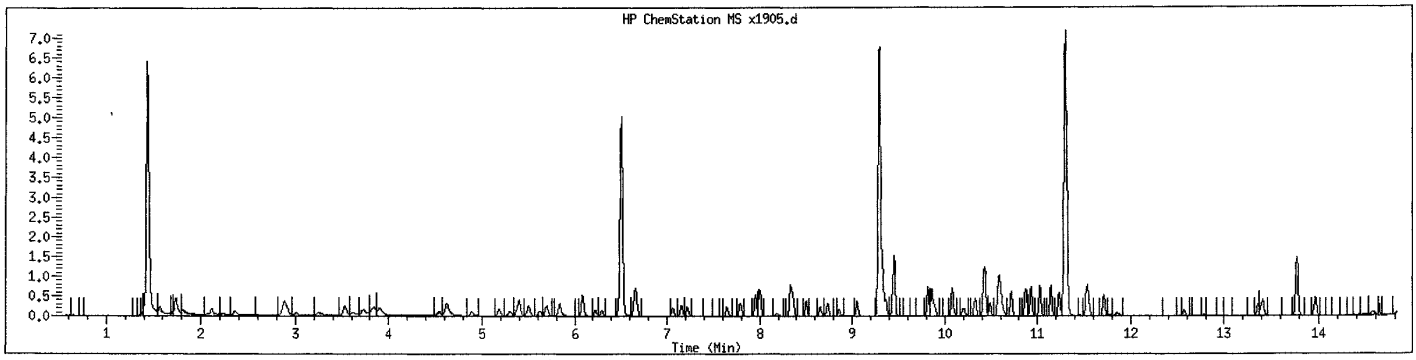
Column diameter: 0.53



Data file : /var/chem/msv0.i/2071230.b/x1905.d
Report Date: 12/30/2007 20:12

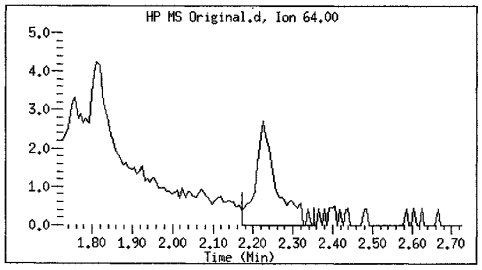
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1201	SampleType	: CALIB_1
Injection Date	: 12/30/2007 12:04	Instrument	: msv0.i
Operator	: JCK		
Sample Info	: 1201*V0STD005*6-13-9		
Misc Info	: MSV~12193~*1*JCK		
Method	: /var/chem/msv0.i/2071230.b/8260Bs0.m		
Dilution	: 1.00		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: 8260b



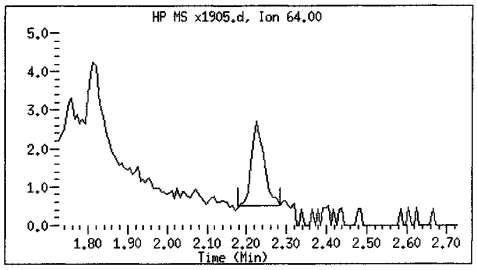
Original Final

6 Chloroethane CAS#: 75-00-3 Reason: M2

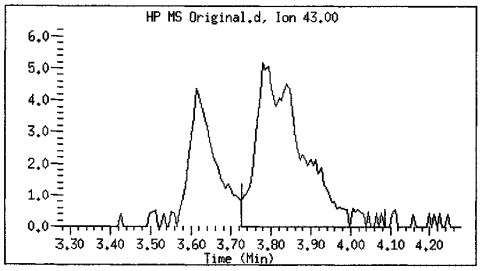


Electronic Signature Applied

User: jck
Date: 12/30/2007 14:16

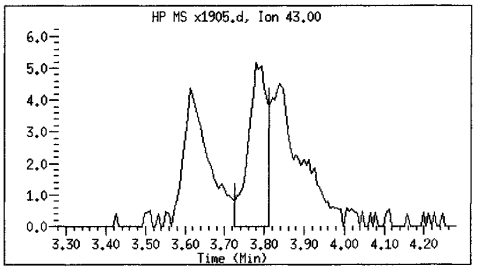


16 Methyl Acetate CAS#: 79-20-9 Reason: M2



Electronic Signature Applied

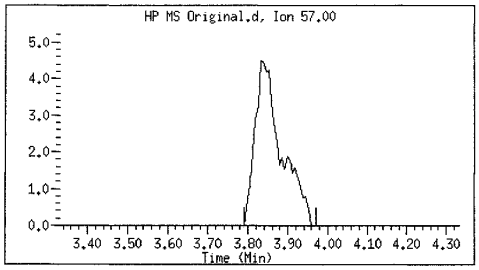
User: jck
Date: 12/30/2007 13:12



168661

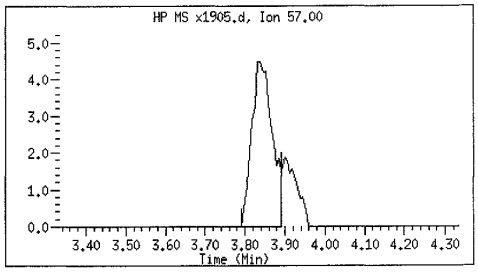
Original Final

23 Hexane CAS#: 110-54-3 Reason: M2



Electronic Signature Applied

User: jck
Date: 12/30/2007 13:13



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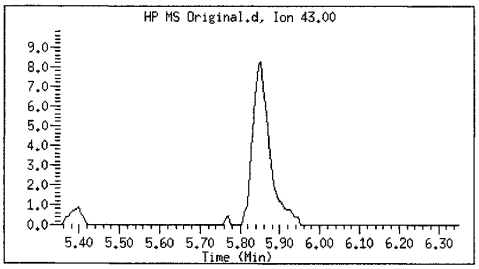
31 2-Butanone CAS#: 78-93-3 Reason: M1



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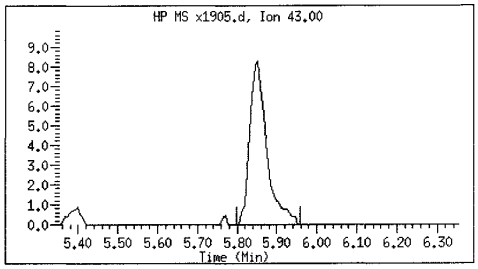

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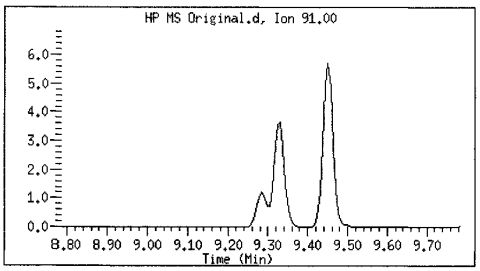
84 1-Chlorohexane CAS#: 544-10-5 Reason: M1



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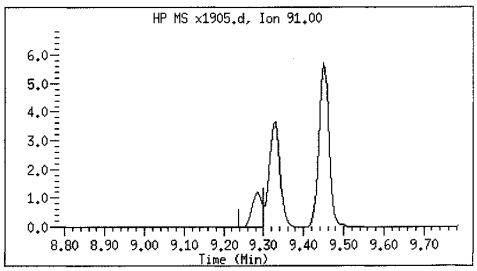
Date: 12/30/2007 13:13



M1 - Target system did not integrate
M2 - Target system did not integrate

GCAL, Inc.

Data file : /var/chem/msv0.i/2071230.b/x1906.d
Lab Smp Id: 1207 Client Smp ID: V0STD010
Inj Date : 30-DEC-2007 12:25
Operator : JCK Inst ID: msv0.i
Smp Info : 1207*V0STD010*6-13-9
Misc Info : MSV~12193~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071230.b/8260Bs0.m
Meth Date : 30-Dec-2007 20:12 jck Quant Type: ISTD
Cal Date : 12-DEC-2007 03:51 Cal File: x1337.d
Als bottle: 3 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1	Dichlorodifluoromethane	85	1.571	1.571	(0.242)	34431	10.0000	10.1	7549
2	Chloromethane ++	50	1.738	1.738	(0.267)	60871	10.0000	10.5	9173
4	Vinyl Chloride +	62	1.818	1.818	(0.280)	30071	10.0000	10.1	8357
5	Bromomethane	94	2.111	2.111	(0.325)	24069	10.0000	9.87	8574
6	Chloroethane	64	2.224	2.224	(0.342)	13253	10.0000	12.7	7650
7	Trichlorofluoromethane	101	2.358	2.358	(0.363)	24699	10.0000	10.4	8642
11	1,1-Dichloroethene +	96	2.864	2.864	(0.440)	17905	10.0000	10.1	8359
14	Carbon Disulfide	76	2.884	2.884	(0.443)	84385	10.0000	9.72	9264
9	1,1,2Trichlotrifluoroethane	101	2.918	2.918	(0.449)	23084	10.0000	10.1	8863
13	Methyl Iodide	142	3.018	3.018	(0.464)	16177	10.0000	9.85	7811
10	Acrolein	56	3.251	3.251	(0.500)	24399	50.0000	48.1	8339
18	Methylene Chloride	49	3.531	3.531	(0.543)	30688	10.0000	10.5	9219
12	Acetone	43	3.631	3.631	(0.558)	29431	10.0000	9.08	8063

168663

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.724	3.724	(0.573)	24925	10.0000	10.4	9150
	16 Methyl Acetate	43	3.784	3.784	(0.582)	30644	10.0000	10.6	8456(M2)
	23 Hexane	57	3.837	3.837	(0.590)	31137	10.0000	10.6	9262(M2)
	20 MTBE	73	3.911	3.911	(0.601)	68062	10.0000	10.1	9130
	26 1,1-Dichloroethane ++	63	4.537	4.537	(0.698)	35863	10.0000	10.2	9021
	22 Acrylonitrile	53	4.624	4.624	(0.711)	95255	50.0000	50.8	9727
	27 Vinyl Acetate	43	4.890	4.890	(0.752)	42457	10.0000	10.2	
	30 cis-1,2-Dichloroethene	61	5.184	5.184	(0.797)	29982	10.0000	10.4	9256
	29 2,2-Dichloropropane	77	5.297	5.297	(0.814)	26709	10.0000	11.0	9013
	39 Cyclohexane	56	5.390	5.390	(0.829)	37593	10.0000	10.2	9731
	34 Bromochloromethane	128	5.404	5.404	(0.831)	12906	10.0000	10.2	9610
	38 Chloroform +	83	5.504	5.504	(0.846)	51390	10.0000	10.8	9215
	42 Carbon Tetrachloride	117	5.630	5.630	(0.866)	23488	10.0000	10.6	9174
$	41 Dibromofluoromethane	111	5.697	5.697	(0.876)	22250	10.0000	9.96	9399
	40 1,1,1-Trichloroethane	97	5.697	5.697	(0.876)	27227	10.0000	10.6	9391
	43 1,1-Dichloropropene	75	5.837	5.837	(0.897)	33867	10.0000	10.2	9322
	31 2-Butanone	43	5.850	5.850	(0.900)	45636	10.0000	10.3	
	46 Benzene	78	6.090	6.090	(0.936)	115687	10.0000	10.4	9805
$	47 1,2-Dichloroethane-d4	67	6.230	6.230	(0.958)	12031	10.0000	10.1	9288
	48 1,2-Dichloroethane	62	6.297	6.297	(0.968)	27340	10.0000	9.91	9289
*	49 FLUOROBENZENE	96	6.503	6.503	(1.000)	541108	50.0000		9613
	52 Methyl cyclohexane	83	6.650	6.650	(1.023)	47252	10.0000	10.3	8766
	50 Trichloroethene	130	6.663	6.663	(1.025)	35305	10.0000	10.2	9123
	58 Dibromomethane	93	7.063	7.063	(1.086)	18876	10.0000	10.7	9512
	54 1,2-Dichloropropane +	63	7.157	7.157	(1.100)	26803	10.0000	10.2	9707
	61 Bromodichloromethane	83	7.223	7.223	(1.111)	36337	10.0000	9.97	9517
	64 1-Bromo-2-chloroethane	63	7.650	7.650	(1.176)	50949	10.0000	9.98	9537
	65 cis-1,3-Dichloropropene	75	7.790	7.790	(1.198)	48295	10.0000	10.1	
$	67 Toluene-d8	98	7.956	7.956	(0.856)	82947	10.0000	10.4	9749
	68 Toluene +	91	7.996	7.996	(0.860)	113745	10.0000	10.0	9860
	66 4-methyl-2-pentanone	43	8.336	8.336	(1.282)	61750	10.0000	9.89	
	78 Tetrachloroethene	164	8.336	8.336	(0.897)	25685	10.0000	10.5	9673
	71 trans-1,3-Dichloropropene	75	8.363	8.363	(0.900)	42412	10.0000	9.80	
	76 1,1,2-Trichloroethane	97	8.503	8.503	(0.915)	28546	10.0000	10.0	9694
	81 Dibromochloromethane	129	8.656	8.656	(0.931)	31046	10.0000	9.76	9653
	79 1,3-Dichloropropane	76	8.736	8.736	(0.940)	52087	10.0000	9.99	9657
	83 1,2-Dibromoethane(EDB)	107	8.863	8.863	(0.953)	30270	10.0000	10.0	8977
	80 2-Hexanone	43	9.050	9.050	(0.973)	56362	10.0000	9.90	9657
	84 1-Chlorohexane	91	9.283	9.283	(1.427)	43946	10.0000	10.6	0(M1)
*	85 Chlorobenzene-d5	82	9.296	9.296	(1.000)	237181	50.0000		3755
	86 Chlorobenzene ++	112	9.309	9.309	(1.001)	71588	10.0000	10.1	5396
	87 Ethylbenzene +	106	9.329	9.329	(1.004)	35484	10.0000	10.0	9691
	89 1,1,1,2-Tetrachloroethane	133	9.363	9.363	(1.007)	26380	10.0000	10.3	9602
M	75 Total 1,2-Dichloroethene	61				54907	20.0000	20.8	0
	90 p,m-Xylene	106	9.449	9.449	(1.016)	91783	20.0000	20.4	9840
M	77 1-3 Dichloropropene-Total	100				90707	20.0000	19.9	0
	91 o-Xylene	106	9.816	9.816	(1.056)	44531	10.0000	10.1	

168664

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.724	3.724	(0.573)	24925	10.0000	10.4	9150
	16 Methyl Acetate	43	3.784	3.784	(0.582)	30644	10.0000	10.6	8456(M2)
	23 Hexane	57	3.837	3.837	(0.590)	31137	10.0000	10.6	9262(M2)
	20 MTBE	73	3.911	3.911	(0.601)	68062	10.0000	10.1	9130
	26 1,1-Dichloroethane ++	63	4.537	4.537	(0.698)	35863	10.0000	10.2	9021
	22 Acrylonitrile	53	4.624	4.624	(0.711)	95255	50.0000	50.8	9727
	27 Vinyl Acetate	43	4.890	4.890	(0.752)	42457	10.0000	10.2	
	30 cis-1,2-Dichloroethene	61	5.184	5.184	(0.797)	29982	10.0000	10.4	9256
	29 2,2-Dichloropropane	77	5.297	5.297	(0.814)	26709	10.0000	11.0	9013
	39 Cyclohexane	56	5.390	5.390	(0.829)	37593	10.0000	10.2	9731
	34 Bromochloromethane	128	5.404	5.404	(0.831)	12906	10.0000	10.2	9610
	38 Chloroform +	83	5.504	5.504	(0.846)	51390	10.0000	10.8	9215
	42 Carbon Tetrachloride	117	5.630	5.630	(0.866)	23488	10.0000	10.6	9174
$	41 Dibromofluoromethane	111	5.697	5.697	(0.876)	22250	10.0000	9.96	9399
	40 1,1,1-Trichloroethane	97	5.697	5.697	(0.876)	27227	10.0000	10.6	9391
	43 1,1-Dichloropropene	75	5.837	5.837	(0.897)	33867	10.0000	10.2	9322
	31 2-Butanone	43	5.850	5.850	(0.900)	45636	10.0000	10.3	
	46 Benzene	78	6.090	6.090	(0.936)	115687	10.0000	10.4	9805
$	47 1,2-Dichloroethane-d4	67	6.230	6.230	(0.958)	12031	10.0000	10.1	9288
	48 1,2-Dichloroethane	62	6.297	6.297	(0.968)	27340	10.0000	9.91	9289
*	49 FLUOROBENZENE	96	6.503	6.503	(1.000)	541108	50.0000		9613
	52 Methyl cyclohexane	83	6.650	6.650	(1.023)	47252	10.0000	10.3	8766
	50 Trichloroethene	130	6.663	6.663	(1.025)	35305	10.0000	10.2	9123
	58 Dibromomethane	93	7.063	7.063	(1.086)	18876	10.0000	10.7	9512
	54 1,2-Dichloropropane +	63	7.157	7.157	(1.100)	26803	10.0000	10.2	9707
	61 Bromodichloromethane	83	7.223	7.223	(1.111)	36337	10.0000	9.97	9517
	64 1-Bromo-2-chloroethane	63	7.650	7.650	(1.176)	50949	10.0000	9.98	9537
	65 cis-1,3-Dichloropropene	75	7.790	7.790	(1.198)	48295	10.0000	10.1	
$	67 Toluene-d8	98	7.956	7.956	(0.856)	82947	10.0000	10.4	9749
	68 Toluene +	91	7.996	7.996	(0.860)	113745	10.0000	10.0	9860
	66 4-methyl-2-pentanone	43	8.336	8.336	(1.282)	61750	10.0000	9.89	
	78 Tetrachloroethene	164	8.336	8.336	(0.897)	25685	10.0000	10.5	9673
	71 trans-1,3-Dichloropropene	75	8.363	8.363	(0.900)	42412	10.0000	9.80	
	76 1,1,2-Trichloroethane	97	8.503	8.503	(0.915)	28546	10.0000	10.0	9694
	81 Dibromochloromethane	129	8.656	8.656	(0.931)	31046	10.0000	9.76	9653
	79 1,3-Dichloropropane	76	8.736	8.736	(0.940)	52087	10.0000	9.99	9657
	83 1,2-Dibromoethane(EDB)	107	8.863	8.863	(0.953)	30270	10.0000	10.0	8977
	80 2-Hexanone	43	9.050	9.050	(0.973)	56362	10.0000	9.90	9657
	84 1-Chlorohexane	91	9.283	9.283	(1.427)	43946	10.0000	10.6	0(M1)
*	85 Chlorobenzene-d5	82	9.296	9.296	(1.000)	237181	50.0000		3755
	86 Chlorobenzene ++	112	9.309	9.309	(1.001)	71588	10.0000	10.1	5396
	87 Ethylbenzene +	106	9.329	9.329	(1.004)	35484	10.0000	10.0	9691
	89 1,1,1,2-Tetrachloroethane	133	9.363	9.363	(1.007)	26380	10.0000	10.3	9602
M	75 Total 1,2-Dichloroethene	61				54907	20.0000	20.8	0
	90 p,m-Xylene	106	9.449	9.449	(1.016)	91783	20.0000	20.4	9840
M	77 1-3 Dichloropropene-Total	100				90707	20.0000	19.9	0
	91 o-Xylene	106	9.816	9.816	(1.056)	44531	10.0000	10.1	

168665

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
92 Styrene	104	9.863	9.863	(1.061)	80850	10.0000	10.3	9709
95 Bromoform ++	173	9.896	9.896	(1.065)	24747	10.0000	9.68	9332
96 Isopropylbenzene	105	10.083	10.083	(1.085)	115681	10.0000	10.1	9791
$ 98 Bromofluorobenzene	174	10.329	10.329	(1.111)	31712	10.0000	10.2	9759
102 Bromobenzene	77	10.423	10.423	(0.923)	60741	10.0000	10.3	9743
103 n-Propylbenzene	91	10.436	10.436	(0.924)	154778	10.0000	10.2	9825
101 1,1,2,2-Tetrachloroethane++	83	10.489	10.489	(0.929)	45749	10.0000	10.1	9809
105 2-Chlorotoluene	91	10.576	10.576	(0.936)	98556	10.0000	10.5	9546
107 1,3,5-Trimethylbenzene	105	10.596	10.596	(0.938)	96360	10.0000	10.2	
104 1,2,3-Trichloropropane	75	10.616	10.616	(0.940)	56248	10.0000	10.1	9644
106 trans-1,4-Dichloro-2-Butene	53	10.642	10.642	(0.942)	4868	10.0000	10.2	9595
108 4-Chlorotoluene	91	10.716	10.716	(0.949)	92056	10.0000	10.4	9735
109 tert-butylbenzene	91	10.869	10.869	(0.962)	55182	10.0000	10.3	9900
110 1,2,4-Trimethylbenzene	105	10.929	10.929	(0.968)	97822	10.0000	10.3	
112 sec-Butylbenzene	105	11.022	11.022	(0.976)	131259	10.0000	10.3	
113 p-Isopropyltoluene	119	11.142	11.142	(0.986)	104909	10.0000	10.2	9718
114 1,3-Dichlorobenzene	146	11.229	11.229	(0.994)	68446	10.0000	10.1	
* 115 1,4-DICHLOROBENZENE-D4	152	11.296	11.296	(1.000)	233412	50.0000		4989
117 1,4-Dichlorobenzene	146	11.309	11.309	(1.001)	73146	10.0000	10.3	
119 n-Butylbenzene	91	11.529	11.529	(1.021)	110403	10.0000	10.2	9875
120 1,2-Dichlorobenzene	146	11.716	11.716	(1.037)	66277	10.0000	10.2	
121 1,2-Dibromo-3-Chloropropane	157	12.569	12.569	(1.113)	16217	10.0000	10.4	8786
124 Hexachlorobutadiene	225	13.362	13.362	(1.183)	18006	10.0000	10.4	9695
123 1,2,4-Trichlorobenzene	180	13.409	13.409	(1.187)	40742	10.0000	10.1	
125 Napthalene	128	13.775	13.775	(1.220)	139549	10.0000	8.68	9720
126 1,2,3-Trichlorobenzene	180	13.968	13.968	(1.237)	40433	10.0000	10.1	
M 127 TOTAL XYLENE	106				136314	30.0000	30.5	0

QC Flag Legend

M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.

168666

Data File: /var/chem/msv0.i/2071230.b/x1906.d

Page 1

Date : 30-DEC-2007 12:25

Client ID: V0STD010

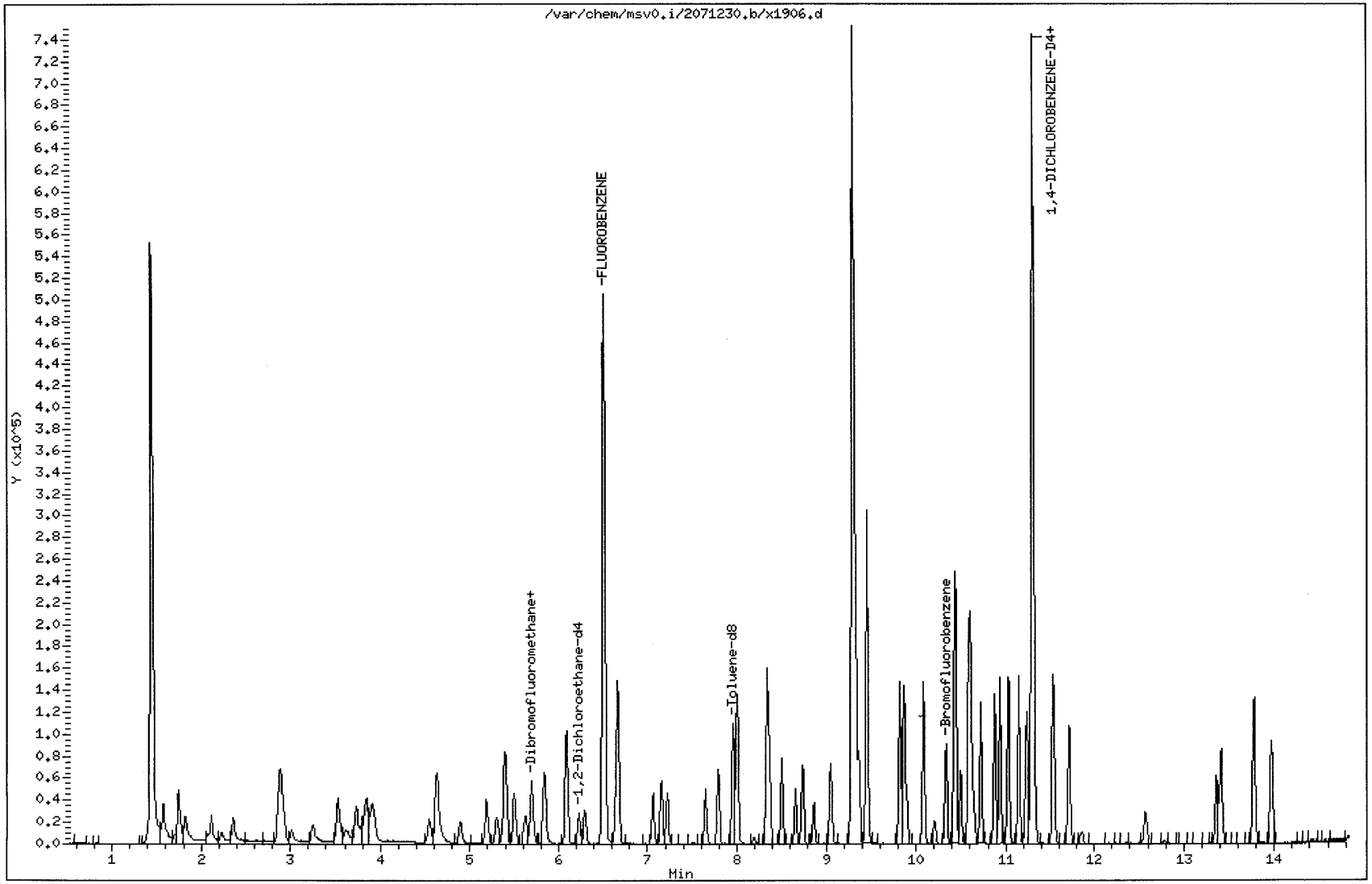
Instrument: msv0.i

Sample Info: 1207*V0STD010*6-13-9

Operator: JCK

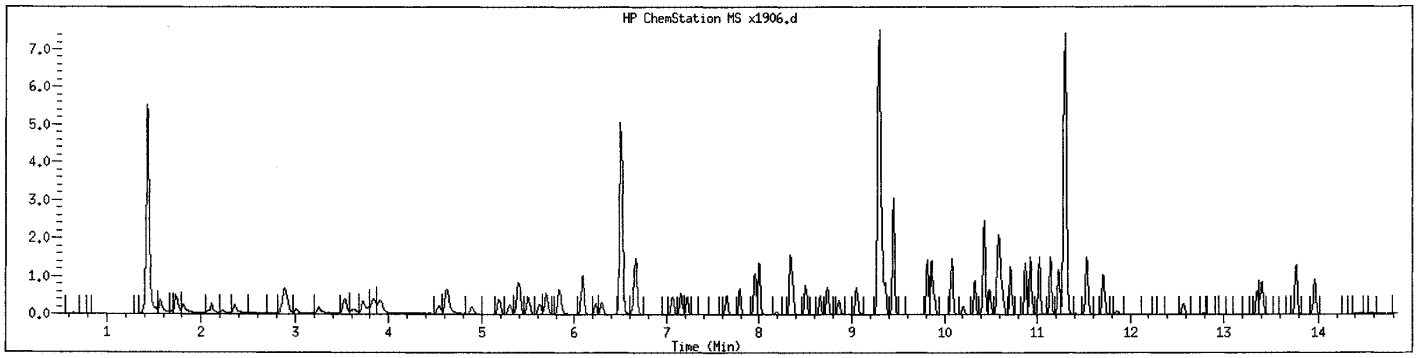
Column phase: DB-624-30M

Column diameter: 0.53



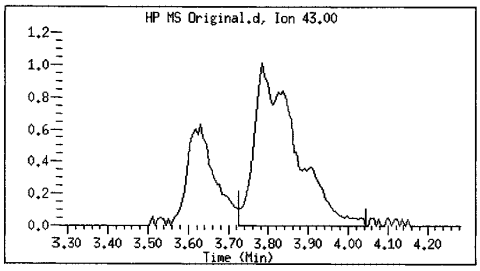
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1207 SampleType : CALIB_7
Injection Date: 12/30/2007 12:25 Instrument : msv0.i
Operator : JCK
Sample Info : 1207*V0STD010*6-13-9
Misc Info : MSV~12193~*1*JCK
Method : /var/chem/msv0.i/2071230.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



Original Final

16 Methyl Acetate CAS#: 79-20-9 Reason: M2



Electronic Signature
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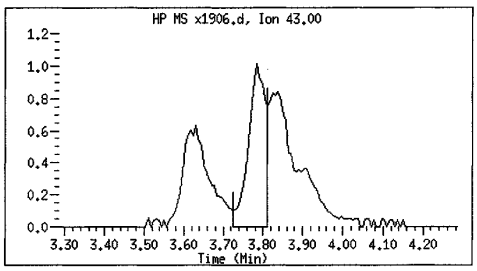
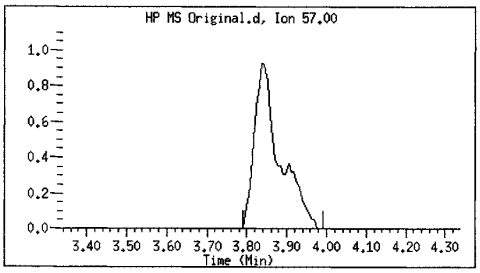
User: jck
Date: 12/30/2007 12:16

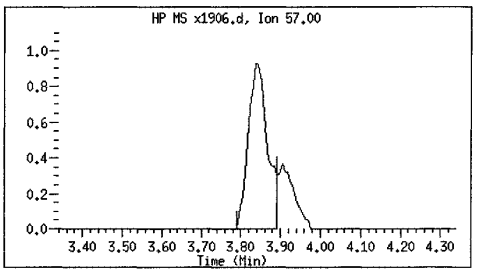


23 Hexane CAS#: 110-54-3 Reason: M2



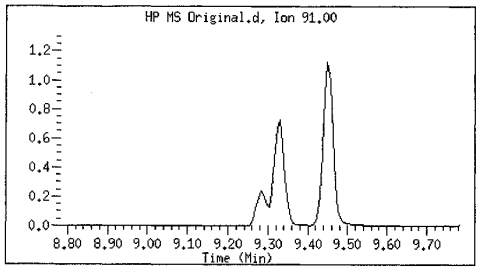
Electronic Signature
Applied

User: jck
Date: 12/30/2007 12:17



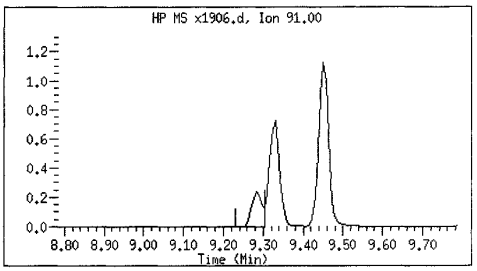
Original Final

84 1-Chlorohexane CAS#: 544-10-5 Reason: M1



Electronic Signature Applied

User: jck
Date: 12/30/2007 12:17



M1 - Target system did not integrate
M2 - Target system did not integrate

GCAL, Inc.

Data file : /var/chem/msv0.i/2071230.b/x1907.d
Lab Smp Id: 1202 Client Smp ID: V0STD020
Inj Date : 30-DEC-2007 12:47
Operator : JCK Inst ID: msv0.i
Smp Info : 1202*V0STD020*6-13-9
Misc Info : MSV~12193~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071230.b/8260Bs0.m
Meth Date : 30-Dec-2007 20:12 jck Quant Type: ISTD
Cal Date : 12-DEC-2007 04:12 Cal File: x1338.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.566	1.566	(0.241)	63534	20.0000	19.7	8702
2 Chloromethane ++	50	1.733	1.733	(0.266)	92040	20.0000	19.3	9510
4 Vinyl Chloride +	62	1.813	1.813	(0.279)	56181	20.0000	19.9	9273
5 Bromomethane	94	2.106	2.106	(0.324)	34216	20.0000	19.6	9229
6 Chloroethane	64	2.226	2.226	(0.342)	20203	20.0000	20.4	7997
7 Trichlorofluoromethane	101	2.353	2.353	(0.362)	46050	20.0000	20.4	9300
11 1,1-Dichloroethene +	96	2.859	2.859	(0.440)	33391	20.0000	19.7	8018
14 Carbon Disulfide	76	2.886	2.886	(0.444)	154421	20.0000	18.7	9721
9 1,1,2Trichlotrifluoroethane	101	2.906	2.906	(0.447)	43332	20.0000	19.9	9270
13 Methyl Iodide	142	3.006	3.006	(0.462)	30214	20.0000	19.4	8996
10 Acrolein	56	3.246	3.246	(0.499)	51265	100.000	106	9271
18 Methylene Chloride	49	3.526	3.526	(0.542)	54319	20.0000	19.6	9582
12 Acetone	43	3.619	3.619	(0.556)	49047	20.0000	22.3	8921

168670

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.726	3.726	(0.573)	44329	20.0000	19.5	9518
	16 Methyl Acetate	43	3.779	3.779	(0.581)	54583	20.0000	19.9	0(M1)
	23 Hexane	57	3.839	3.839	(0.590)	52702	20.0000	18.8	9395(M2)
	20 MTBE	73	3.906	3.906	(0.600)	128208	20.0000	20.0	9578
	26 1,1-Dichloroethane ++	63	4.539	4.539	(0.698)	67129	20.0000	20.2	9435
	22 Acrylonitrile	53	4.619	4.619	(0.710)	190685	100.000	107	9806
	27 Vinyl Acetate	43	4.885	4.885	(0.751)	79022	20.0000	19.9	
	30 cis-1,2-Dichloroethene	61	5.179	5.179	(0.796)	54312	20.0000	19.9	9826
	29 2,2-Dichloropropane	77	5.299	5.299	(0.815)	47934	20.0000	20.8	9570
	39 Cyclohexane	56	5.385	5.385	(0.828)	69528	20.0000	19.9	9645
	34 Bromochloromethane	128	5.399	5.399	(0.830)	24980	20.0000	20.7	9648
	38 Chloroform +	83	5.499	5.499	(0.845)	85997	20.0000	19.1	9785
	42 Carbon Tetrachloride	117	5.625	5.625	(0.865)	42748	20.0000	20.4	9263
$	41 Dibromofluoromethane	111	5.692	5.692	(0.875)	41646	20.0000	19.6	9762
	40 1,1,1-Trichloroethane	97	5.699	5.699	(0.876)	48809	20.0000	20.1	9723
	43 1,1-Dichloropropene	75	5.832	5.832	(0.896)	61993	20.0000	19.7	9521
	31 2-Butanone	43	5.845	5.845	(0.899)	89511	20.0000	21.3	
	46 Benzene	78	6.085	6.085	(0.935)	206434	20.0000	19.6	9807
$	47 1,2-Dichloroethane-d4	67	6.225	6.225	(0.957)	23285	20.0000	20.6	9596
	48 1,2-Dichloroethane	62	6.292	6.292	(0.967)	53634	20.0000	20.5	9664
*	49 FLUOROBENZENE	96	6.505	6.505	(1.000)	514266	50.0000		9577
	52 Methyl cyclohexane	83	6.652	6.652	(1.023)	85495	20.0000	19.7	9457
	50 Trichloroethene	130	6.665	6.665	(1.025)	66873	20.0000	20.2	9634
	58 Dibromomethane	93	7.058	7.058	(1.085)	34992	20.0000	20.8	9532
	54 1,2-Dichloropropane +	63	7.158	7.158	(1.100)	50282	20.0000	20.2	9720
	61 Bromodichloromethane	83	7.218	7.218	(1.110)	69307	20.0000	20.0	9647
	64 1-Bromo-2-chloroethane	63	7.645	7.645	(1.175)	99207	20.0000	20.4	9778
	65 cis-1,3-Dichloropropene	75	7.791	7.791	(1.198)	90689	20.0000	19.9	
$	67 Toluene-d8	98	7.951	7.951	(0.856)	145834	20.0000	18.8	9847
	68 Toluene +	91	7.998	7.998	(0.861)	211085	20.0000	19.2	9880
	66 4-methyl-2-pentanone	43	8.338	8.338	(1.282)	125230	20.0000	21.1	
	78 Tetrachloroethene	164	8.331	8.331	(0.897)	45993	20.0000	19.4	9635
	71 trans-1,3-Dichloropropene	75	8.365	8.365	(0.900)	83665	20.0000	20.0	
	76 1,1,2-Trichloroethane	97	8.505	8.505	(0.915)	55485	20.0000	20.2	9786
	81 Dibromochloromethane	129	8.658	8.658	(0.932)	61164	20.0000	19.9	9598
	79 1,3-Dichloropropane	76	8.738	8.738	(0.940)	100948	20.0000	20.0	9806
	83 1,2-Dibromoethane(EDB)	107	8.858	8.858	(0.953)	57824	20.0000	19.8	9398
	80 2-Hexanone	43	9.051	9.051	(0.974)	113757	20.0000	20.7	9821
	84 1-Chlorohexane	91	9.284	9.284	(1.427)	72526	20.0000	18.5	3945(M2)
*	85 Chlorobenzene-d5	82	9.291	9.291	(1.000)	229241	50.0000		4874
	86 Chlorobenzene ++	112	9.311	9.311	(1.002)	134803	20.0000	19.7	7432
	87 Ethylbenzene +	106	9.324	9.324	(1.004)	67271	20.0000	19.7	9004
	89 1,1,1,2-Tetrachloroethane	133	9.364	9.364	(1.008)	48888	20.0000	19.7	9808
M	75 Total 1,2-Dichloroethene	61				98641	40.0000	39.4	0
	90 p,m-Xylene	106	9.451	9.451	(1.017)	171825	40.0000	39.5	9848
M	77 1-3 Dichloropropene-Total	100				174354	40.0000	39.9	0
	91 o-Xylene	106	9.818	9.818	(1.057)	83624	20.0000	19.6	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
92	Styrene	104	9.858	9.858	(1.061)	146338	20.0000	19.3	9854
95	Bromoform ++	173	9.891	9.891	(1.065)	49840	20.0000	20.2	9361
96	Isopropylbenzene	105	10.084	10.084	(1.085)	216180	20.0000	19.6	9778
$ 98	Bromofluorobenzene	174	10.331	10.331	(1.112)	58903	20.0000	19.7	9690
102	Bromobenzene	77	10.424	10.424	(0.923)	113500	20.0000	19.5	9599
103	n-Propylbenzene	91	10.431	10.431	(0.923)	291671	20.0000	19.6	9407
101	1,1,2,2-Tetrachloroethane++	83	10.491	10.491	(0.929)	89344	20.0000	20.1	9839
105	2-Chlorotoluene	91	10.578	10.578	(0.936)	177908	20.0000	19.2	9254
107	1,3,5-Trimethylbenzene	105	10.591	10.591	(0.937)	182034	20.0000	19.6	
104	1,2,3-Trichloropropane	75	10.617	10.617	(0.940)	110650	20.0000	20.1	9435
106	trans-1,4-Dichloro-2-Butene	53	10.644	10.644	(0.942)	11398	20.0000	21.0	9735
108	4-Chlorotoluene	91	10.717	10.717	(0.949)	173271	20.0000	19.9	9769
109	tert-butylbenzene	91	10.871	10.871	(0.962)	105138	20.0000	19.9	9865
110	1,2,4-Trimethylbenzene	105	10.931	10.931	(0.968)	183662	20.0000	19.5	
112	sec-Butylbenzene	105	11.024	11.024	(0.976)	247180	20.0000	19.6	
113	p-Isopropyltoluene	119	11.144	11.144	(0.986)	199162	20.0000	19.7	9766
114	1,3-Dichlorobenzene	146	11.231	11.231	(0.994)	130487	20.0000	19.6	
* 115	1,4-DICHLOROBENZENE-D4	152	11.297	11.297	(1.000)	229815	50.0000		5775
117	1,4-Dichlorobenzene	146	11.311	11.311	(1.001)	136866	20.0000	19.6	
119	n-Butylbenzene	91	11.531	11.531	(1.021)	209635	20.0000	19.7	9893
120	1,2-Dichlorobenzene	146	11.711	11.711	(1.037)	126140	20.0000	19.7	
121	1,2-Dibromo-3-Chloropropane	157	12.570	12.570	(1.113)	33169	20.0000	21.5	9439
124	Hexachlorobutadiene	225	13.364	13.364	(1.183)	33928	20.0000	19.9	9463
123	1,2,4-Trichlorobenzene	180	13.404	13.404	(1.186)	77288	20.0000	19.5	
125	Napthalene	128	13.770	13.770	(1.219)	259822	20.0000	18.3	9785
126	1,2,3-Trichlorobenzene	180	13.963	13.963	(1.236)	77481	20.0000	19.6	
M 127	TOTAL XYLENE	106				255449	60.0000	59.1	0

QC Flag Legend

M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.

168672

Data File: /var/chem/msv0.i/2071230.b/x1907.d

Date : 30-DEC-2007 12:47

Client ID: V0STD020

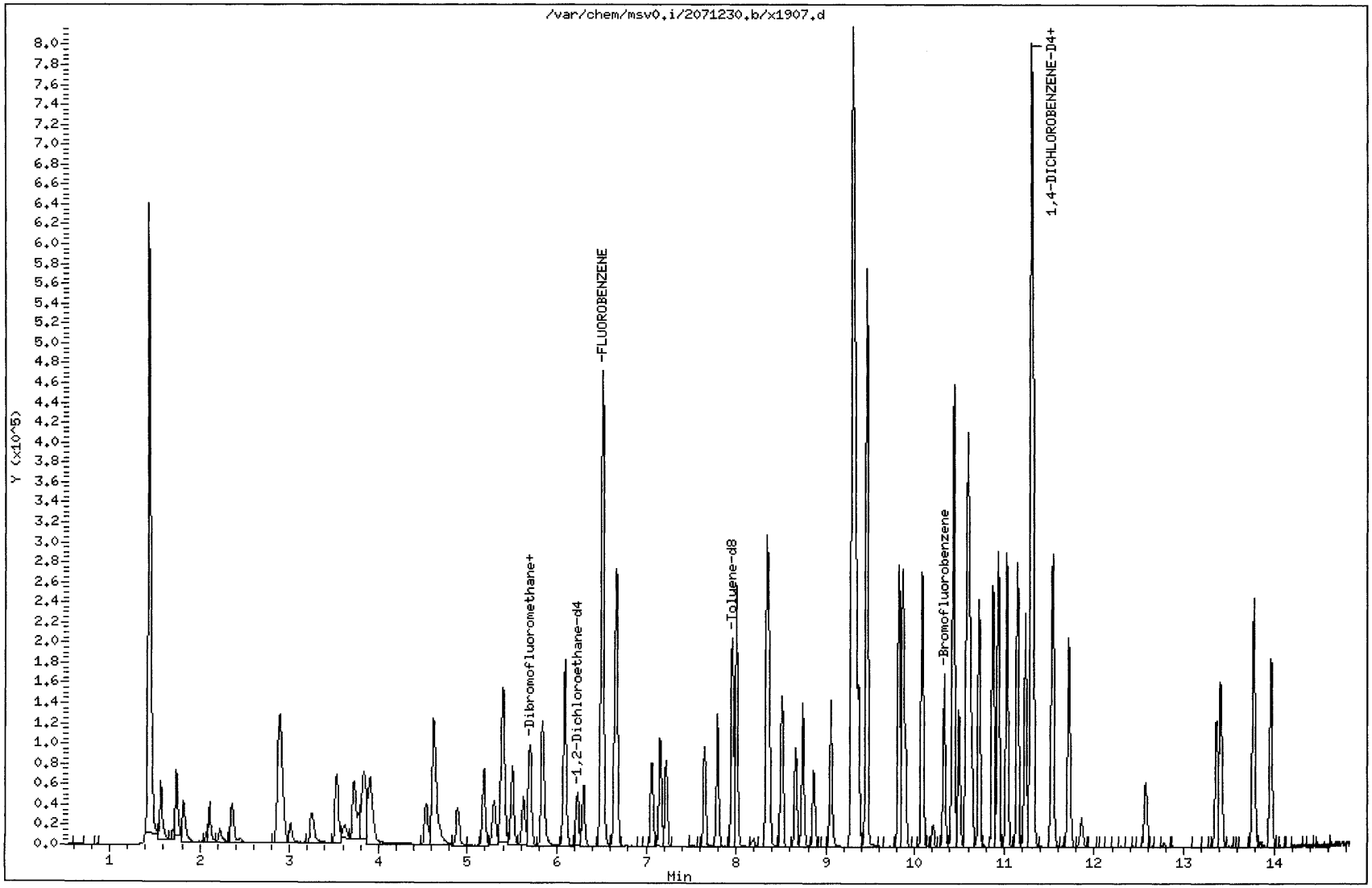
Instrument: msv0.i

Sample Info: 1202*V0STD020*6-13-9

Operator: JCK

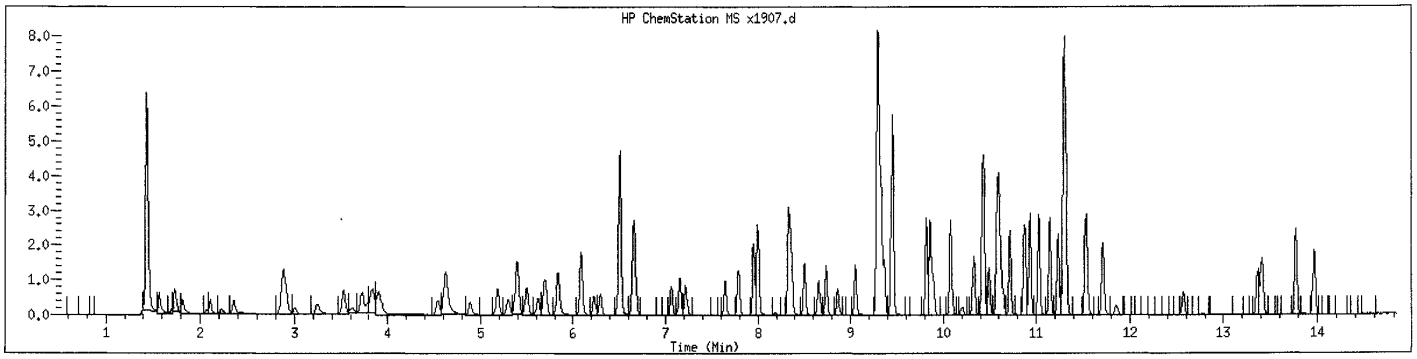
Column phase: DB-624-30M

Column diameter: 0.53



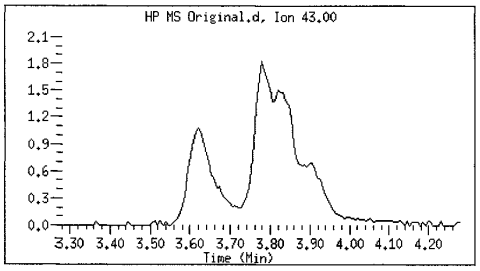
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1202 SampleType : CALIB_2
Injection Date: 12/30/2007 12:47 Instrument : msv0.i
Operator : JCK
Sample Info : 1202*V0STD020*6-13-9
Misc Info : MSV~12193~*1*JCK
Method : /var/chem/msv0.i/2071230.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



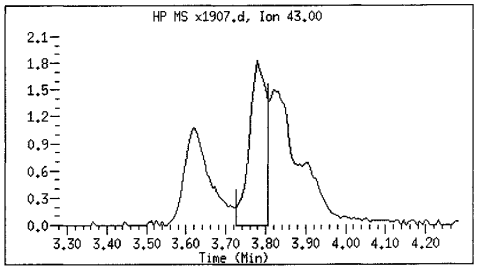
Original Final

16 Methyl Acetate CAS#: 79-20-9 Reason: M1

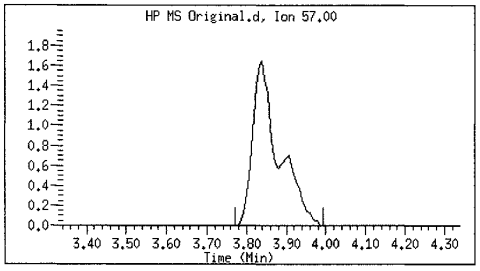


Electronic Signature
Applied

User: jck
Date: 12/30/2007 13:08



23 Hexane CAS#: 110-54-3 Reason: M2



Electronic Signature
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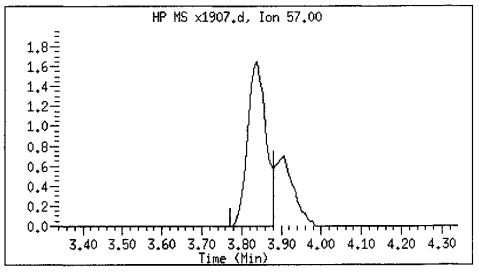
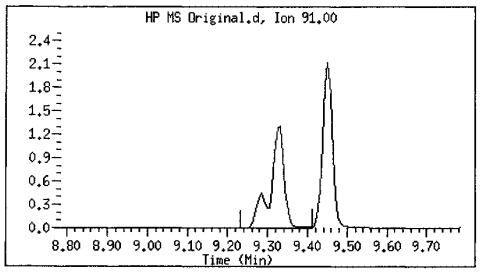
User: jck
Date: 12/30/2007 13:09



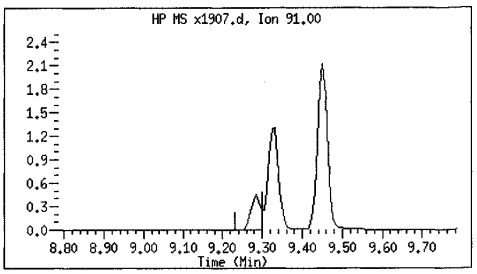
Original Final

84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



Electronic Signature Applied

User: jck
Date: 12/30/2007 13:09



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

168675

GCAL, Inc.

Data file : /var/chem/msv0.i/2071230.b/x1908.d
Lab Smp Id: 1203 Client Smp ID: V0STD050
Inj Date : 30-DEC-2007 13:09
Operator : JCK Inst ID: msv0.i
Smp Info : 1203*V0STD050*6-13-9
Misc Info : MSV~12193~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071230.b/8260Bs0.m
Meth Date : 30-Dec-2007 20:12 jck Quant Type: ISTD
Cal Date : 12-DEC-2007 04:34 Cal File: x1339.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1	Dichlorodifluoromethane	85	1.569	1.569	(0.241)	158475	50.0000	49.2	9526
2	Chloromethane ++	50	1.735	1.735	(0.267)	198488	50.0000	46.9	9755
4	Vinyl Chloride +	62	1.815	1.815	(0.279)	141672	50.0000	50.3	9645
5	Bromomethane	94	2.108	2.108	(0.324)	68802	50.0000	48.8	9543
6	Chloroethane	64	2.222	2.222	(0.342)	46031	50.0000	46.6	9141
7	Trichlorofluoromethane	101	2.355	2.355	(0.362)	114983	50.0000	51.2	9690
11	1,1-Dichloroethene +	96	2.862	2.862	(0.440)	82945	50.0000	49.2	8660
14	Carbon Disulfide	76	2.882	2.882	(0.443)	376825	50.0000	45.8	9551
9	1,1,2Trichlotrifluoroethane	101	2.908	2.908	(0.447)	108266	50.0000	49.9	9672
13	Methyl Iodide	142	3.008	3.008	(0.463)	71076	50.0000	45.7	9256
10	Acrolein	56	3.248	3.248	(0.500)	119854	250.000	249	9633
18	Methylene Chloride	49	3.528	3.528	(0.543)	126132	50.0000	45.7	9661
12	Acetone	43	3.615	3.615	(0.556)	99140	50.0000	52.4	9362

168676

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.728	3.728	(0.573)	111513	50.0000	49.2	9793
	16 Methyl Acetate	43	3.781	3.781	(0.582)	128661	50.0000	47.0	0(M1)
	23 Hexane	57	3.835	3.835	(0.590)	127381	50.0000	45.7	9621(M2)
	20 MTBE	73	3.908	3.908	(0.601)	321043	50.0000	50.2	9766
	26 1,1-Dichloroethane ++	63	4.541	4.541	(0.699)	168821	50.0000	50.9	9743
	22 Acrylonitrile	53	4.621	4.621	(0.711)	436090	250.000	246	9798
	27 Vinyl Acetate	43	4.888	4.888	(0.752)	193422	50.0000	48.8	
	30 cis-1,2-Dichloroethene	61	5.181	5.181	(0.797)	139740	50.0000	51.3	9784
	29 2,2-Dichloropropane	77	5.301	5.301	(0.815)	121587	50.0000	52.9	9889
	39 Cyclohexane	56	5.388	5.388	(0.829)	170114	50.0000	48.8	9876
	34 Bromochloromethane	128	5.401	5.401	(0.831)	63405	50.0000	52.7	9839
	38 Chloroform +	83	5.501	5.501	(0.846)	204623	50.0000	45.6	9866
	42 Carbon Tetrachloride	117	5.621	5.621	(0.865)	109105	50.0000	52.1	9602
$	41 Dibromofluoromethane	111	5.688	5.688	(0.875)	106359	50.0000	50.3	9608
	40 1,1,1-Trichloroethane	97	5.701	5.701	(0.877)	123233	50.0000	50.8	9763
	43 1,1-Dichloropropene	75	5.834	5.834	(0.897)	153804	50.0000	49.1	9355
	31 2-Butanone	43	5.848	5.848	(0.900)	196339	50.0000	46.8	
	46 Benzene	78	6.088	6.088	(0.936)	501207	50.0000	47.7	9882
$	47 1,2-Dichloroethane-d4	67	6.228	6.228	(0.958)	57013	50.0000	50.5	9830
	48 1,2-Dichloroethane	62	6.294	6.294	(0.968)	132197	50.0000	50.6	9809
*	49 FLUOROBENZENE	96	6.501	6.501	(1.000)	512639	50.0000		9620
	52 Methyl cyclohexane	83	6.654	6.654	(1.024)	209360	50.0000	48.3	9863
	50 Trichloroethene	130	6.667	6.667	(1.026)	162306	50.0000	49.3	9831
	58 Dibromomethane	93	7.061	7.061	(1.086)	85216	50.0000	50.8	9666
	54 1,2-Dichloropropane +	63	7.154	7.154	(1.100)	122818	50.0000	49.5	9897
	61 Bromodichloromethane	83	7.221	7.221	(1.111)	170503	50.0000	49.4	9824
	64 1-Bromo-2-chloroethane	63	7.647	7.647	(1.176)	242882	50.0000	50.2	9834
	65 cis-1,3-Dichloropropene	75	7.787	7.787	(1.198)	229156	50.0000	50.6	
$	67 Toluene-d8	98	7.954	7.954	(0.856)	373603	50.0000	49.3	9803
	68 Toluene +	91	8.000	8.000	(0.861)	516051	50.0000	48.0	9896
	66 4-methyl-2-pentanone	43	8.340	8.340	(1.283)	293935	50.0000	49.7	
	78 Tetrachloroethene	164	8.334	8.334	(0.897)	112801	50.0000	48.5	9774
	71 trans-1,3-Dichloropropene	75	8.367	8.367	(0.900)	207949	50.0000	50.7	
	76 1,1,2-Trichloroethane	97	8.500	8.500	(0.915)	136192	50.0000	50.5	9906
	81 Dibromochloromethane	129	8.654	8.654	(0.931)	152762	50.0000	50.7	9812
	79 1,3-Dichloropropane	76	8.734	8.734	(0.940)	246653	50.0000	50.0	9856
	83 1,2-Dibromoethane(EDB)	107	8.860	8.860	(0.953)	145054	50.0000	50.7	9739
	80 2-Hexanone	43	9.047	9.047	(0.973)	258173	50.0000	47.9	9858
	84 1-Chlorohexane	91	9.280	9.280	(1.428)	186075	50.0000	47.5	3737(M2)
*	85 Chlorobenzene-d5	82	9.294	9.294	(1.000)	224653	50.0000		6788
	86 Chlorobenzene ++	112	9.307	9.307	(1.001)	329655	50.0000	49.2	8145
	87 Ethylbenzene +	106	9.327	9.327	(1.004)	164606	50.0000	49.1	9496
	89 1,1,1,2-Tetrachloroethane	133	9.360	9.360	(1.007)	123276	50.0000	50.6	9797
M	75 Total 1,2-Dichloroethene	61				251253	100.000	100	0
	90 p,m-Xylene	106	9.453	9.453	(1.017)	418799	100.000	98.2	9842
M	77 1-3 Dichloropropene-Total	100				437105	100.000	101	0
	91 o-Xylene	106	9.820	9.820	(1.057)	206648	50.0000	49.5	

168677

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
92	Styrene	104	9.860	9.860	(1.061)	382692	50.0000	51.4	9805
95	Bromoform ++	173	9.893	9.893	(1.065)	125954	50.0000	52.0	9567
96	Isopropylbenzene	105	10.080	10.080	(1.085)	530474	50.0000	49.1	9844
$ 98	Bromofluorobenzene	174	10.327	10.327	(1.111)	144252	50.0000	49.2	9849
102	Bromobenzene	77	10.427	10.427	(0.923)	277673	50.0000	48.1	9201
103	n-Propylbenzene	91	10.433	10.433	(0.924)	713177	50.0000	48.3	9696
101	1,1,2,2-Tetrachloroethane++	83	10.493	10.493	(0.929)	223133	50.0000	50.5	9838
105	2-Chlorotoluene	91	10.573	10.573	(0.936)	439980	50.0000	48.0	9795
107	1,3,5-Trimethylbenzene	105	10.593	10.593	(0.938)	453780	50.0000	49.2	
104	1,2,3-Trichloropropane	75	10.613	10.613	(0.940)	272244	50.0000	49.9	9494
106	trans-1,4-Dichloro-2-Butene	53	10.640	10.640	(0.942)	27741	50.0000	48.0	9391
108	4-Chlorotoluene	91	10.720	10.720	(0.949)	406525	50.0000	47.1	9745
109	tert-butylbenzene	91	10.873	10.873	(0.963)	245575	50.0000	47.0	9825(M2)
110	1,2,4-Trimethylbenzene	105	10.933	10.933	(0.968)	454113	50.0000	48.8	
112	sec-Butylbenzene	105	11.026	11.026	(0.976)	602267	50.0000	48.3	
113	p-Isopropyltoluene	119	11.146	11.146	(0.987)	486635	50.0000	48.4	9714
114	1,3-Dichlorobenzene	146	11.233	11.233	(0.995)	316714	50.0000	48.1	
* 115	1,4-DICHLOROBENZENE-D4	152	11.293	11.293	(1.000)	227837	50.0000		6562
117	1,4-Dichlorobenzene	146	11.313	11.313	(1.002)	332059	50.0000	48.0	
119	n-Butylbenzene	91	11.526	11.526	(1.021)	510986	50.0000	48.3	9897
120	1,2-Dichlorobenzene	146	11.713	11.713	(1.037)	313306	50.0000	49.3	
121	1,2-Dibromo-3-Chloropropane	157	12.573	12.573	(1.113)	79658	50.0000	52.1	9529
124	Hexachlorobutadiene	225	13.366	13.366	(1.184)	85451	50.0000	50.7	9472
123	1,2,4-Trichlorobenzene	180	13.406	13.406	(1.187)	195703	50.0000	49.9	
125	Napthalene	128	13.772	13.772	(1.220)	646335	50.0000	49.3	9769
126	1,2,3-Trichlorobenzene	180	13.966	13.966	(1.237)	196687	50.0000	50.1	
M 127	TOTAL XYLENE	106				625447	150.000	148	0

QC Flag Legend

M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.

168678

Data File: /var/chem/msv0.i/2071230.b/x1908.d

Page 1

Date : 30-DEC-2007 13:09

Client ID: V0STD050

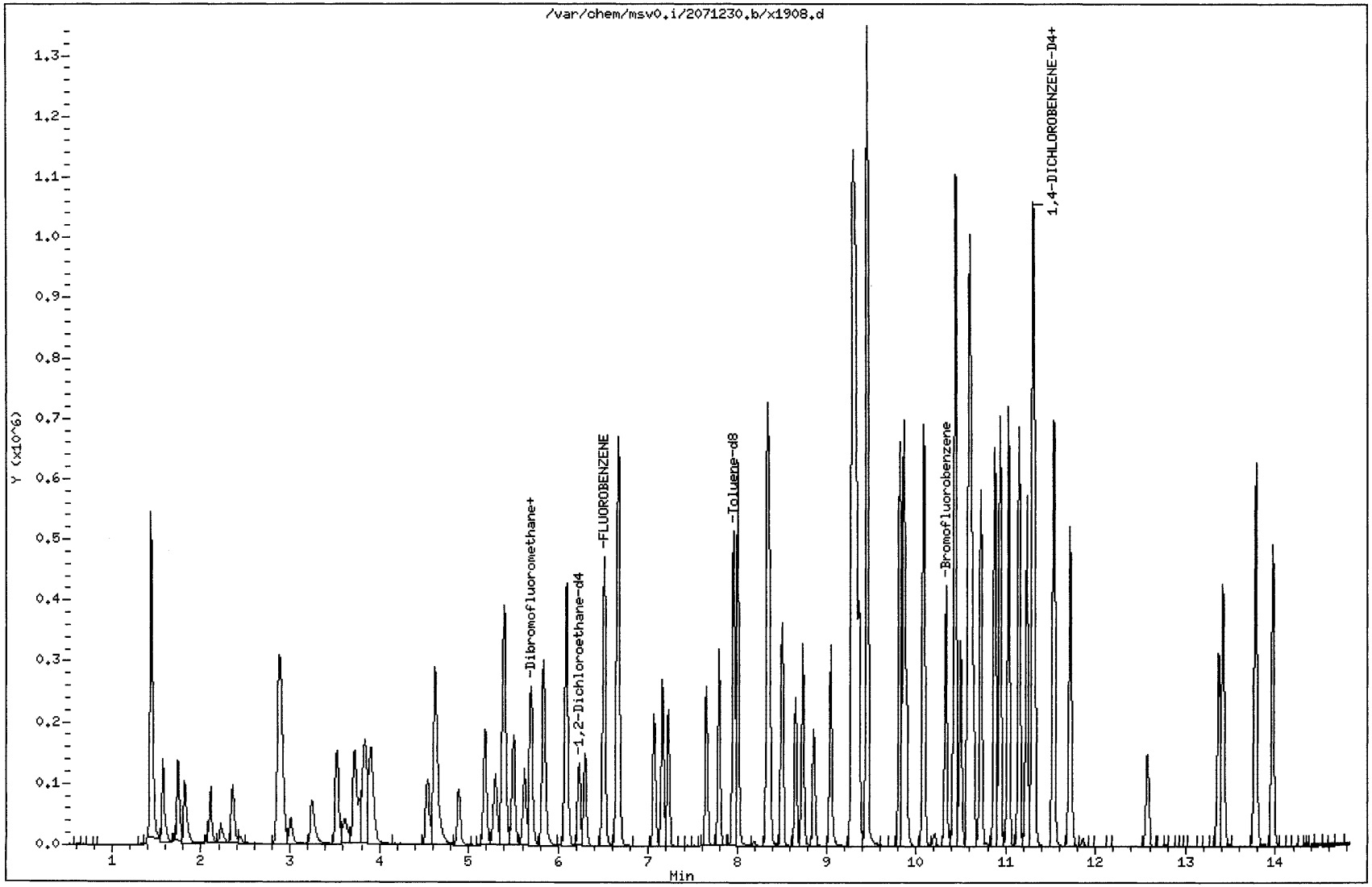
Instrument: msv0.i

Sample Info: 1203*V0STD050*6-13-9

Operator: JCK

Column phase: DB-624-30M

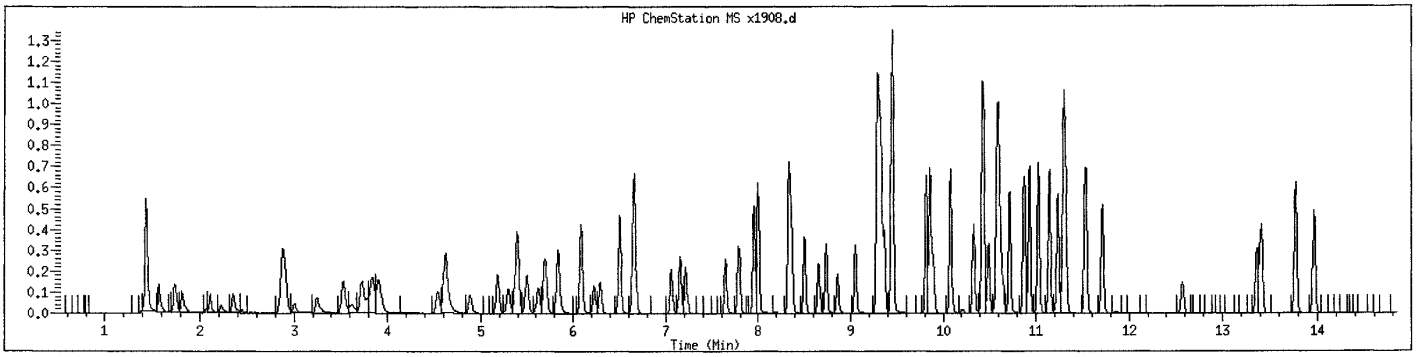
Column diameter: 0.53



Data file : /var/chem/msv0.i/2071230.b/x1908.d
Report Date: 12/30/2007 20:12

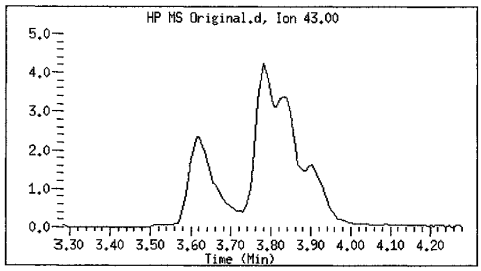
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/30/2007 13:09	Instrument	: msv0.i
Operator	: JCK		
Sample Info	: 1203*V0STD050*6-13-9		
Misc Info	: MSV~12193~*1*JCK		
Method	: /var/chem/msv0.i/2071230.b/8260Bs0.m		
Dilution	: 1.00		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: 8260b



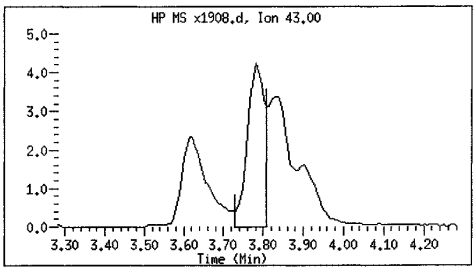
Original Final

16 Methyl Acetate CAS#: 79-20-9 Reason: M1

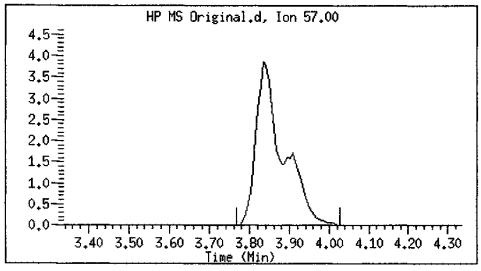


Electronic Signature Applied

User: jck
Date: 12/30/2007 13:10



23 Hexane CAS#: 110-54-3 Reason: M2



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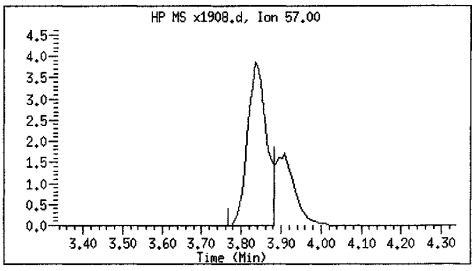
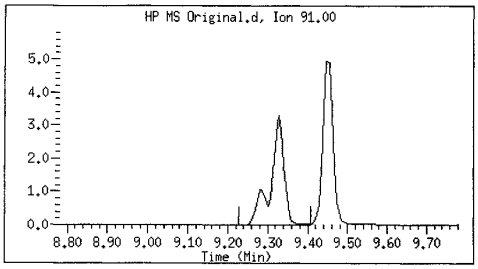
Date: 12/30/2007 13:11



168680

Original Final

84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



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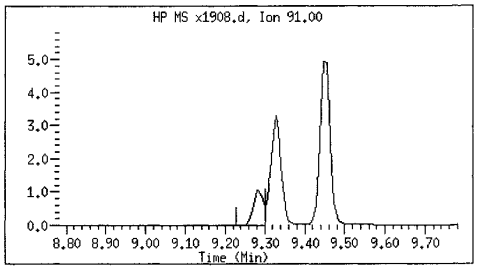
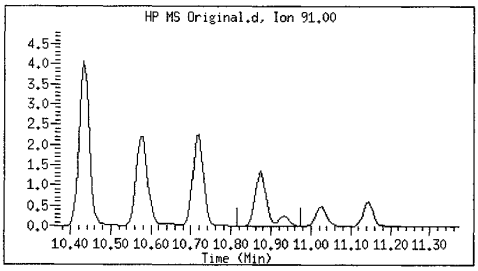
Date: 12/30/2007 13:11



109 tert-butylbenzene CAS#: 98-06-6 Reason: M2



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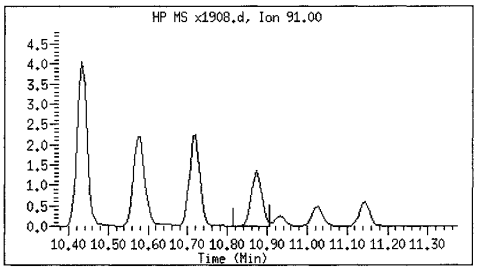

M1 - Target system did not integrate
M2 - Target system integrated incorrectly

168681

GCAL, Inc.

Data file : /var/chem/msv0.i/2071230.b/x1909.d
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Inj Date : 30-DEC-2007 13:31
Operator : JCK Inst ID: msv0.i
Smp Info : 1204*V0STD100*6-13-9
Misc Info : MSV~12193~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071230.b/8260Bs0.m
Meth Date : 30-Dec-2007 20:12 jck Quant Type: ISTD
Cal Date : 12-DEC-2007 04:56 Cal File: x1340.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1	Dichlorodifluoromethane	85	1.564	1.564	(0.241)	323730	100.000	99.4	9763
2	Chloromethane ++	50	1.738	1.738	(0.267)	398987	100.000	97.5	9863
4	Vinyl Chloride +	62	1.811	1.811	(0.278)	297460	100.000	104	9774
5	Bromomethane	94	2.104	2.104	(0.324)	135606	100.000	101	0(M1)
6	Chloroethane	64	2.217	2.217	(0.341)	90289	100.000	90.4	9353
7	Trichlorofluoromethane	101	2.351	2.351	(0.361)	231056	100.000	102	9715
11	1,1-Dichloroethene +	96	2.864	2.864	(0.440)	172720	100.000	101	9822
14	Carbon Disulfide	76	2.884	2.884	(0.443)	765118	100.000	92.0	9799
9	1,1,2Trichlotrifluoroethane	101	2.904	2.904	(0.447)	222520	100.000	101	9456
13	Methyl Iodide	142	3.004	3.004	(0.462)	152279	100.000	96.7	9523
10	Acrolein	56	3.244	3.244	(0.499)	246908	500.000	507	9654(A)
18	Methylene Chloride	49	3.524	3.524	(0.542)	248810	100.000	89.2	9823
12	Acetone	43	3.617	3.617	(0.556)	186570	100.000	97.9	9425

168682

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.724	3.724	(0.573)	227580	100.000	99.3	9822
	16 Methyl Acetate	43	3.784	3.784	(0.582)	244321	100.000	88.1	0(M1)
	23 Hexane	57	3.837	3.837	(0.590)	253679	100.000	90.0	9591(M2)
	20 MTBE	73	3.904	3.904	(0.600)	652745	100.000	101	9884
	26 1,1-Dichloroethane ++	63	4.537	4.537	(0.698)	329814	100.000	98.3	9797
	22 Acrylonitrile	53	4.617	4.617	(0.710)	889747	500.000	495	0(M1)
	27 Vinyl Acetate	43	4.883	4.883	(0.751)	386914	100.000	96.5	
	30 cis-1,2-Dichloroethene	61	5.183	5.183	(0.797)	277219	100.000	101	9773
	29 2,2-Dichloropropane	77	5.297	5.297	(0.814)	236325	100.000	102	9826
	39 Cyclohexane	56	5.390	5.390	(0.829)	347737	100.000	98.6	9763
	34 Bromochloromethane	128	5.403	5.403	(0.831)	134080	100.000	110	9818
	38 Chloroform +	83	5.497	5.497	(0.845)	407450	100.000	89.7	9860
	42 Carbon Tetrachloride	117	5.623	5.623	(0.865)	209535	100.000	99.0	9675
$	41 Dibromofluoromethane	111	5.690	5.690	(0.875)	219828	100.000	103	9741
	40 1,1,1-Trichloroethane	97	5.697	5.697	(0.876)	248327	100.000	101	9840
	43 1,1-Dichloropropene	75	5.830	5.830	(0.896)	312323	100.000	98.6	9669
	31 2-Butanone	43	5.843	5.843	(0.899)	398445	100.000	93.9	
	46 Benzene	78	6.083	6.083	(0.935)	1010835	100.000	95.1	9898
$	47 1,2-Dichloroethane-d4	67	6.223	6.223	(0.957)	115168	100.000	101	9792
	48 1,2-Dichloroethane	62	6.296	6.296	(0.968)	264785	100.000	100	9810
*	49 FLUOROBENZENE	96	6.503	6.503	(1.000)	518522	50.0000		9652
	52 Methyl cyclohexane	83	6.650	6.650	(1.023)	424878	100.000	96.9	9184
	50 Trichloroethene	130	6.663	6.663	(1.025)	329825	100.000	99.0	9435
	58 Dibromomethane	93	7.063	7.063	(1.086)	168830	100.000	99.6	9648
	54 1,2-Dichloropropane +	63	7.156	7.156	(1.100)	256188	100.000	102	9823
	61 Bromodichloromethane	83	7.216	7.216	(1.110)	351272	100.000	101	9860
	64 1-Bromo-2-chloroethane	63	7.650	7.650	(1.176)	501821	100.000	103	9841
	65 cis-1,3-Dichloropropene	75	7.789	7.789	(1.198)	472666	100.000	103	
$	67 Toluene-d8	98	7.956	7.956	(0.856)	760789	100.000	99.1	9771
	68 Toluene +	91	7.996	7.996	(0.860)	1056529	100.000	97.0	9917
	66 4-methyl-2-pentanone	43	8.336	8.336	(1.282)	597579	100.000	99.9	
	78 Tetrachloroethene	164	8.336	8.336	(0.897)	227438	100.000	96.7	9829
	71 trans-1,3-Dichloropropene	75	8.363	8.363	(0.900)	438201	100.000	106	
	76 1,1,2-Trichloroethane	97	8.503	8.503	(0.915)	281926	100.000	103	9816
	81 Dibromochloromethane	129	8.656	8.656	(0.931)	319592	100.000	105	9675
	79 1,3-Dichloropropane	76	8.736	8.736	(0.940)	507008	100.000	101	9893
	83 1,2-Dibromoethane(EDB)	107	8.863	8.863	(0.953)	298843	100.000	103	9749
	80 2-Hexanone	43	9.049	9.049	(0.973)	541044	100.000	99.1	9906
	84 1-Chlorohexane	91	9.282	9.282	(1.427)	388088	100.000	97.9	3573(M2)
*	85 Chlorobenzene-d5	82	9.296	9.296	(1.000)	227412	50.0000		7432
	86 Chlorobenzene ++	112	9.309	9.309	(1.001)	675157	100.000	99.6	9350
	87 Ethylbenzene +	106	9.329	9.329	(1.004)	340623	100.000	100	9745
	89 1,1,1,2-Tetrachloroethane	133	9.362	9.362	(1.007)	256627	100.000	104	9835
M	75 Total 1,2-Dichloroethene	61				504799	200.000	200	0
	90 p,m-Xylene	106	9.449	9.449	(1.016)	845089	200.000	196	9902
M	77 1-3 Dichloropropene-Total	100				910867	200.000	209	0
	91 o-Xylene	106	9.816	9.816	(1.056)	426303	100.000	101	

168683

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
92	Styrene	104	9.862	9.862	(1.061)	757302	100.000	100	9828
95	Bromoform ++	173	9.896	9.896	(1.065)	267807	100.000	109	9542
96	Isopropylbenzene	105	10.082	10.082	(1.085)	1074738	100.000	98.3	9842
$ 98	Bromofluorobenzene	174	10.329	10.329	(1.111)	293029	100.000	98.7	9774
102	Bromobenzene	77	10.422	10.422	(0.923)	566356	100.000	98.8	9892
103	n-Propylbenzene	91	10.436	10.436	(0.924)	1442977	100.000	98.5	9811
101	1,1,2,2-Tetrachloroethane++	83	10.496	10.496	(0.929)	459495	100.000	105	9830
105	2-Chlorotoluene	91	10.575	10.575	(0.936)	893645	100.000	98.2	9830
107	1,3,5-Trimethylbenzene	105	10.595	10.595	(0.938)	913172	100.000	99.7	
104	1,2,3-Trichloropropane	75	10.616	10.616	(0.940)	568283	100.000	105	9726
106	trans-1,4-Dichloro-2-Butene	53	10.642	10.642	(0.942)	58074	100.000	98.4	9653
108	4-Chlorotoluene	91	10.715	10.715	(0.949)	840640	100.000	98.2	9820
109	tert-butylbenzene	91	10.875	10.875	(0.963)	512660	100.000	98.8	9821
110	1,2,4-Trimethylbenzene	105	10.929	10.929	(0.968)	908925	100.000	98.3	
112	sec-Butylbenzene	105	11.029	11.029	(0.976)	1217045	100.000	98.3	
113	p-Isopropyltoluene	119	11.142	11.142	(0.986)	984723	100.000	98.7	9806
114	1,3-Dichlorobenzene	146	11.229	11.229	(0.994)	643997	100.000	98.5	
* 115	1,4-DICHLOROBENZENE-D4	152	11.295	11.295	(1.000)	226158	50.0000		8303
117	1,4-Dichlorobenzene	146	11.309	11.309	(1.001)	666006	100.000	97.1	
119	n-Butylbenzene	91	11.529	11.529	(1.021)	1025479	100.000	97.7	9888
120	1,2-Dichlorobenzene	146	11.715	11.715	(1.037)	635183	100.000	101	
121	1,2-Dibromo-3-Chloropropane	157	12.568	12.568	(1.113)	161793	100.000	107	9649
124	Hexachlorobutadiene	225	13.362	13.362	(1.183)	165447	100.000	98.8	9561
123	1,2,4-Trichlorobenzene	180	13.408	13.408	(1.187)	389417	100.000	100	
125	Napthalene	128	13.775	13.775	(1.220)	1289492	100.000	101	9753
126	1,2,3-Trichlorobenzene	180	13.968	13.968	(1.237)	387242	100.000	99.4	
M 127	TOTAL XYLENE	106				1271392	300.000	297	0

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.

168684

Data File: /var/chem/msv0.i/2071230.b/x1909.d

Page 1

Date : 30-DEC-2007 13:31

Client ID: VOSTD100

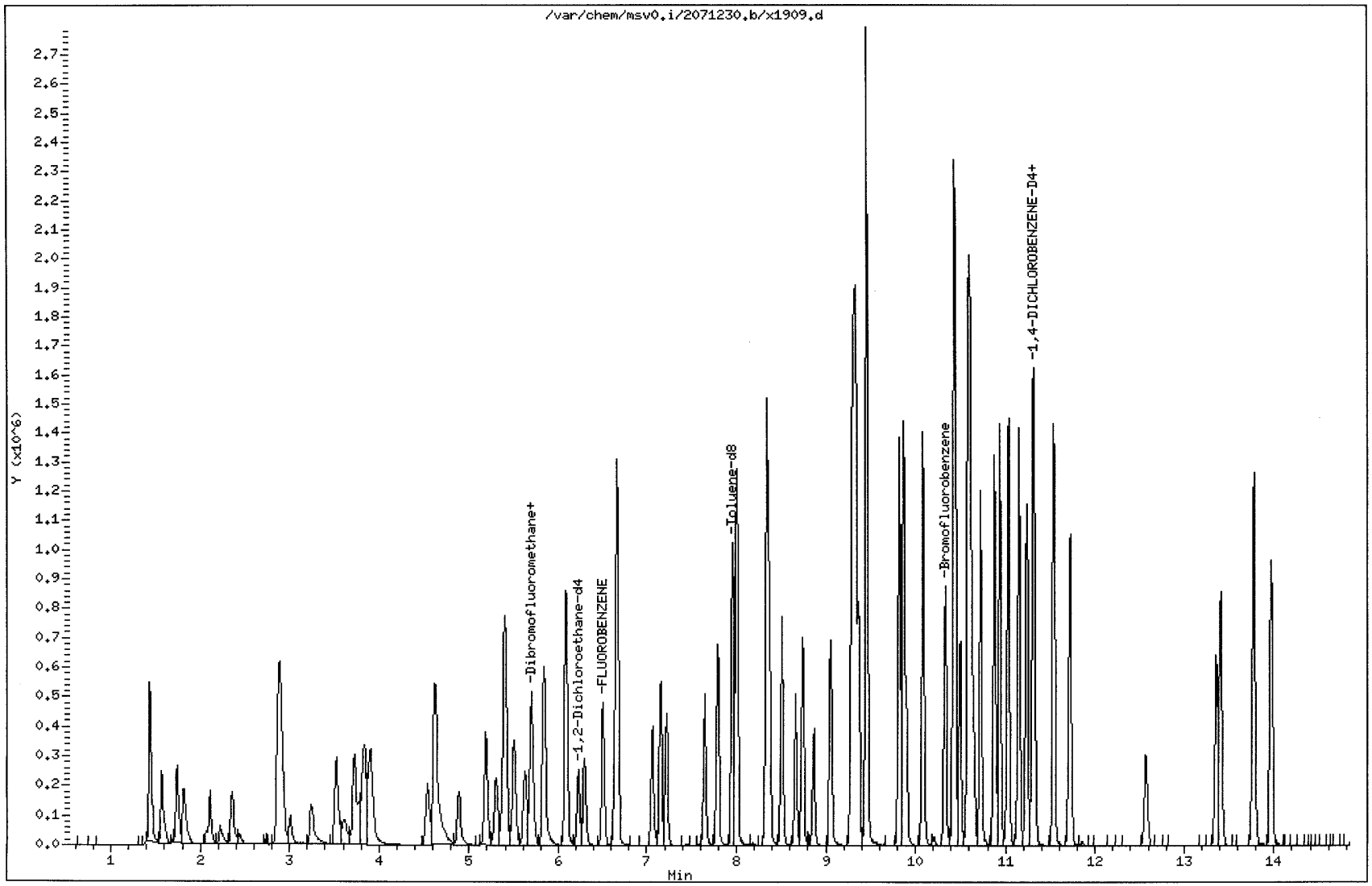
Instrument: msv0.i

Sample Info: 1204*VOSTD100*6-13-9

Operator: JCK

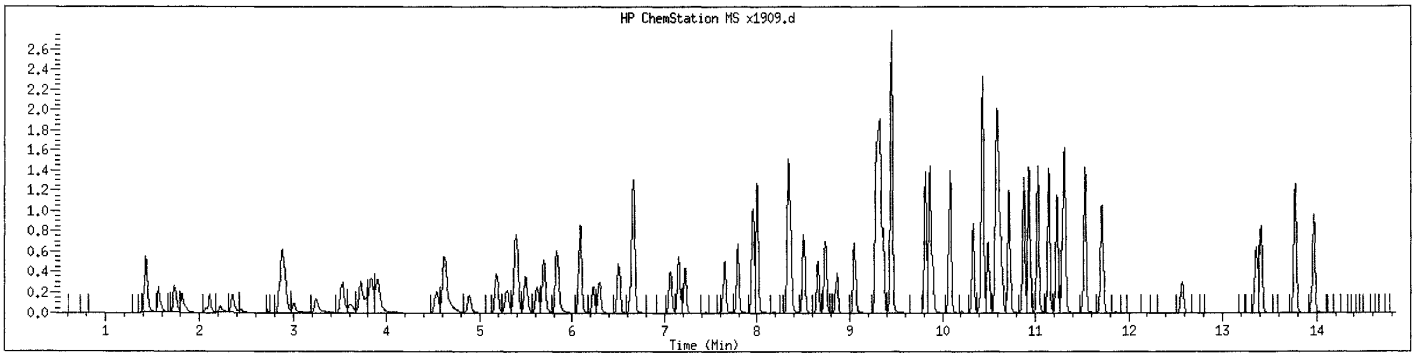
Column phase: DB-624-30M

Column diameter: 0.53



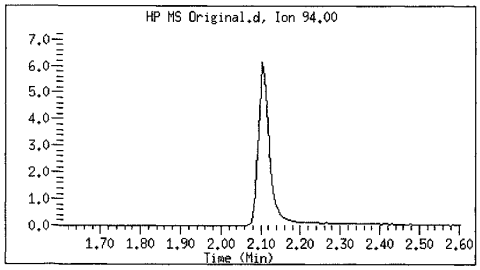
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1204 SampleType : CALIB_4
Injection Date: 12/30/2007 13:31 Instrument : msv0.i
Operator : JCK
Sample Info : 1204*V0STD100*6-13-9
Misc Info : MSV~12193~*1*JCK
Method : /var/chem/msv0.i/2071230.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



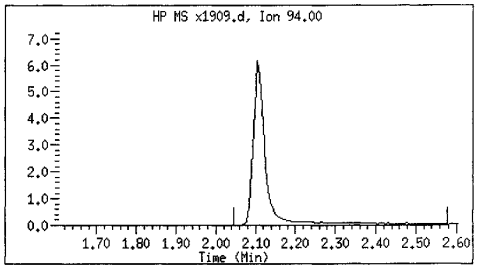
Original Final

5 Bromomethane CAS#: 74-83-9 Reason: M1

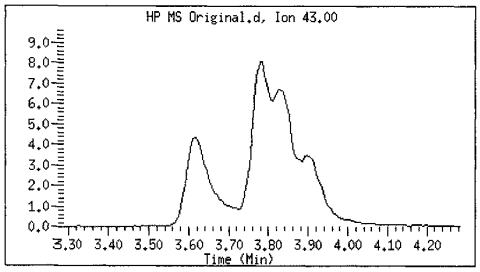


Electronic Signature
Applied

User: jck
Date: 12/30/2007 13:19

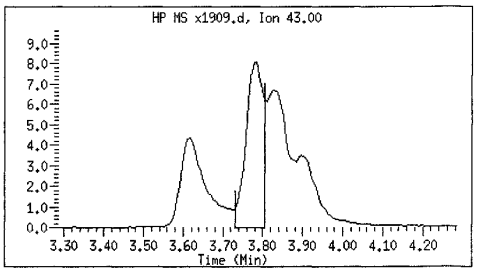


16 Methyl Acetate CAS#: 79-20-9 Reason: M1



Electronic Signature
Applied

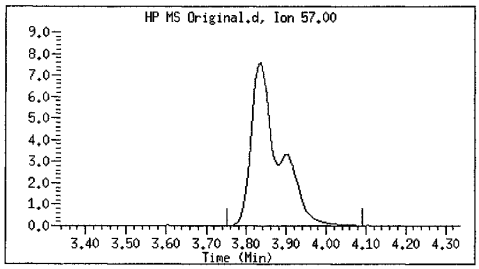
User: jck
Date: 12/30/2007 13:19



168686

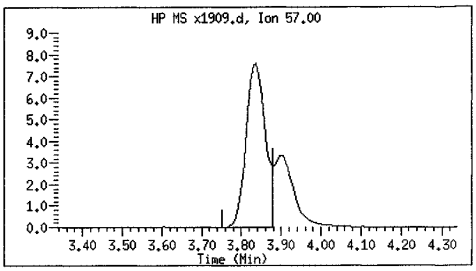
Original Final

23 Hexane CAS#: 110-54-3 Reason: M2



Electronic Signature Applied

User: jck
Date: 12/30/2007 13:20



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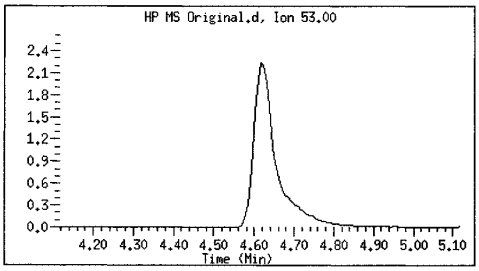
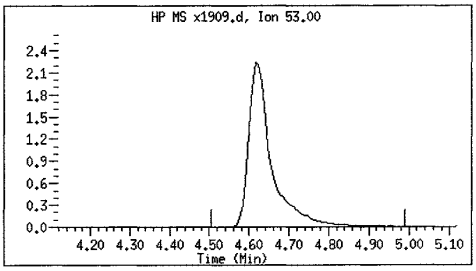
22 Acrylonitrile CAS#: 107-13-1 Reason: M1



Electronic Signature Applied

User: jck
Date: 12/30/2007 13:19



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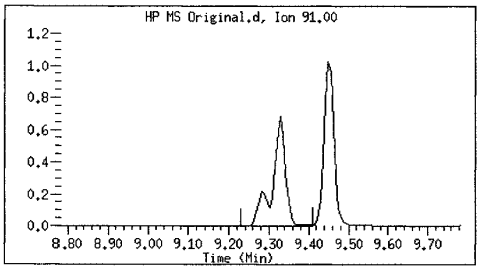
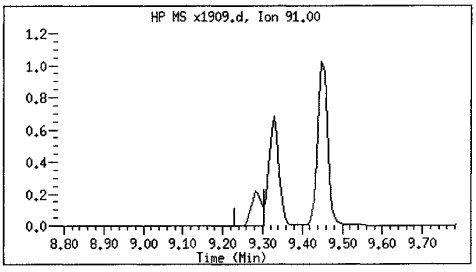
84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



Electronic Signature Applied

User: jck
Date: 12/30/2007 13:20



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

168687

GCAL, Inc.

Data file : /var/chem/msv0.i/2071230.b/x1910.d
Lab Smp Id: 1205 Client Smp ID: V0STD200
Inj Date : 30-DEC-2007 13:52
Operator : JCK Inst ID: msv0.i
Smp Info : 1205*V0STD200*6-13-9
Misc Info : MSV~12193~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071230.b/8260Bs0.m
Meth Date : 30-Dec-2007 20:12 jck Quant Type: ISTD
Cal Date : 12-DEC-2007 05:17 Cal File: x1341.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1	Dichlorodifluoromethane	85	1.567	1.567	(0.241)	652233	200.000	203	9793
2	Chloromethane ++	50	1.741	1.741	(0.268)	795314	200.000	202	9891
4	Vinyl Chloride +	62	1.814	1.814	(0.279)	607802	200.000	217	9747
5	Bromomethane	94	2.107	2.107	(0.324)	273033	200.000	200	0(M1)
6	Chloroethane	64	2.214	2.214	(0.340)	113952	200.000	116	9394
7	Trichlorofluoromethane	101	2.340	2.340	(0.360)	376014	200.000	168	9700
11	1,1-Dichloroethene +	96	2.854	2.854	(0.439)	362092	200.000	216	8639
14	Carbon Disulfide	76	2.874	2.874	(0.442)	1507556	200.000	184	0(M1)
9	1,1,2Trichlotrifluoroethane	101	2.907	2.907	(0.447)	447577	200.000	207	9706
13	Methyl Iodide	142	3.000	3.000	(0.461)	286019	200.000	185	0(M1)
10	Acrolein	56	3.247	3.247	(0.499)	501374	1000.00	1050	0(AM1)
18	Methylene Chloride	49	3.520	3.520	(0.541)	498328	200.000	182	9778
12	Acetone	43	3.620	3.620	(0.556)	465710	200.000	200	9369

168688

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.720	3.720	(0.572)	463857	200.000	206	9760
	16 Methyl Acetate	43	3.780	3.780	(0.581)	514725	200.000	189	9557(M2)
	23 Hexane	57	3.833	3.833	(0.589)	505761	200.000	182	9569
	20 MTBE	73	3.907	3.907	(0.600)	1280312	200.000	201	9752
	26 1,1-Dichloroethane ++	63	4.540	4.540	(0.698)	661182	200.000	200	9839
	22 Acrylonitrile	53	4.620	4.620	(0.710)	1818659	1000.00	1030	0(AM1)
	27 Vinyl Acetate	43	4.887	4.887	(0.751)	753392	200.000	191	
	30 cis-1,2-Dichloroethene	61	5.180	5.180	(0.796)	546876	200.000	202	9757
	29 2,2-Dichloropropane	77	5.300	5.300	(0.815)	317631	200.000	139	9794
	39 Cyclohexane	56	5.386	5.386	(0.828)	703216	200.000	203	9848
	34 Bromochloromethane	128	5.400	5.400	(0.830)	275525	200.000	230	9819
	38 Chloroform +	83	5.500	5.500	(0.845)	811707	200.000	182	9863
	42 Carbon Tetrachloride	117	5.620	5.620	(0.864)	381806	200.000	183	9749
$	41 Dibromofluoromethane	111	5.693	5.693	(0.875)	436147	200.000	207	9764
	40 1,1,1-Trichloroethane	97	5.700	5.700	(0.876)	456538	200.000	189	9805
	43 1,1-Dichloropropene	75	5.833	5.833	(0.897)	628951	200.000	202	9473
	31 2-Butanone	43	5.846	5.846	(0.899)	786912	200.000	188	
	46 Benzene	78	6.086	6.086	(0.935)	2007542	200.000	192	0(M1)
$	47 1,2-Dichloroethane-d4	67	6.226	6.226	(0.957)	223889	200.000	199	9835
	48 1,2-Dichloroethane	62	6.293	6.293	(0.967)	521285	200.000	200	9841
*	49 FLUOROBENZENE	96	6.506	6.506	(1.000)	510293	50.0000		9623
	52 Methyl cyclohexane	83	6.653	6.653	(1.023)	873396	200.000	202	9699
	50 Trichloroethene	130	6.666	6.666	(1.025)	660060	200.000	201	9791
	58 Dibromomethane	93	7.059	7.059	(1.085)	319368	200.000	191	9768
	54 1,2-Dichloropropane +	63	7.153	7.153	(1.099)	504748	200.000	204	9828
	61 Bromodichloromethane	83	7.219	7.219	(1.110)	659185	200.000	192	9864
	64 1-Bromo-2-chloroethane	63	7.646	7.646	(1.175)	980685	200.000	204	9882
	65 cis-1,3-Dichloropropene	75	7.793	7.793	(1.198)	922856	200.000	205	
$	67 Toluene-d8	98	7.953	7.953	(0.856)	1504670	200.000	196	9823
	68 Toluene +	91	7.999	7.999	(0.861)	2087180	200.000	192	9880
	66 4-methyl-2-pentanone	43	8.339	8.339	(1.282)	1185312	200.000	201	
	78 Tetrachloroethene	164	8.332	8.332	(0.897)	457279	200.000	195	9691
	71 trans-1,3-Dichloropropene	75	8.366	8.366	(0.900)	850757	200.000	205	
	76 1,1,2-Trichloroethane	97	8.506	8.506	(0.915)	557334	200.000	204	9808
	81 Dibromochloromethane	129	8.659	8.659	(0.932)	632435	200.000	208	9671
	79 1,3-Dichloropropane	76	8.739	8.739	(0.940)	995357	200.000	199	9832
	83 1,2-Dibromoethane(EDB)	107	8.859	8.859	(0.953)	593080	200.000	205	9779
	80 2-Hexanone	43	9.052	9.052	(0.974)	1081867	200.000	199	9842
	84 1-Chlorohexane	91	9.286	9.286	(1.427)	801653	200.000	206	3506(M2)
*	85 Chlorobenzene-d5	82	9.292	9.292	(1.000)	227104	50.0000		9623
	86 Chlorobenzene ++	112	9.312	9.312	(1.002)	1308480	200.000	193	9733
	87 Ethylbenzene +	106	9.332	9.332	(1.004)	662978	200.000	196	9841
	89 1,1,1,2-Tetrachloroethane	133	9.366	9.366	(1.008)	502518	200.000	204	9821
M	75 Total 1,2-Dichloroethene	61				1010733	400.000	407	0
	90 p,m-Xylene	106	9.452	9.452	(1.017)	1652314	400.000	383	9849
M	77 1-3 Dichloropropene-Total	100				1773613	400.000	410	0
	91 o-Xylene	106	9.819	9.819	(1.057)	832189	200.000	197	

168689

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
92	Styrene	104	9.865	9.865	(1.062)	1487761	200.000	198	9736
95	Bromoform ++	173	9.892	9.892	(1.065)	536906	200.000	219	9441
96	Isopropylbenzene	105	10.085	10.085	(1.085)	2115263	200.000	194	9796
$ 98	Bromofluorobenzene	174	10.332	10.332	(1.112)	576699	200.000	194	9683
102	Bromobenzene	77	10.425	10.425	(0.923)	1104592	200.000	187	9717
103	n-Propylbenzene	91	10.439	10.439	(0.924)	2815927	200.000	187	9788
101	1,1,2,2-Tetrachloroethane++	83	10.492	10.492	(0.929)	882038	200.000	196	9875
105	2-Chlorotoluene	91	10.579	10.579	(0.936)	1749270	200.000	187	9577
107	1,3,5-Trimethylbenzene	105	10.599	10.599	(0.938)	1790977	200.000	190	
104	1,2,3-Trichloropropane	75	10.619	10.619	(0.940)	1130016	200.000	203	9706
106	trans-1,4-Dichloro-2-Butene	53	10.645	10.645	(0.942)	123595	200.000	201	9811
108	4-Chlorotoluene	91	10.719	10.719	(0.949)	1647821	200.000	187	9791
109	tert-butylbenzene	91	10.872	10.872	(0.962)	1011924	200.000	190	9853
110	1,2,4-Trimethylbenzene	105	10.932	10.932	(0.968)	1803487	200.000	190	
112	sec-Butylbenzene	105	11.025	11.025	(0.976)	2386628	200.000	187	
113	p-Isopropyltoluene	119	11.145	11.145	(0.986)	1927271	200.000	188	9774
114	1,3-Dichlorobenzene	146	11.232	11.232	(0.994)	1266233	200.000	188	
* 115	1,4-DICHLOROBENZENE-D4	152	11.298	11.298	(1.000)	232534	50.0000		9702
117	1,4-Dichlorobenzene	146	11.312	11.312	(1.001)	1304455	200.000	185	
119	n-Butylbenzene	91	11.532	11.532	(1.021)	2023482	200.000	187	9841
120	1,2-Dichlorobenzene	146	11.712	11.712	(1.037)	1241073	200.000	191	
121	1,2-Dibromo-3-Chloropropane	157	12.571	12.571	(1.113)	339052	200.000	217	9564
124	Hexachlorobutadiene	225	13.365	13.365	(1.183)	344552	200.000	200	9528
123	1,2,4-Trichlorobenzene	180	13.411	13.411	(1.187)	774299	200.000	193	
125	Napthalene	128	13.778	13.778	(1.219)	2587545	200.000	200	9742
126	1,2,3-Trichlorobenzene	180	13.971	13.971	(1.237)	775308	200.000	194	
M 127	TOTAL XYLENE	106				2484503	600.000	581	0

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.

168690

Data File: /var/chem/msv0.i/2071230.b/x1910.d

Date : 30-DEC-2007 13:52

Client ID: VOSTD200

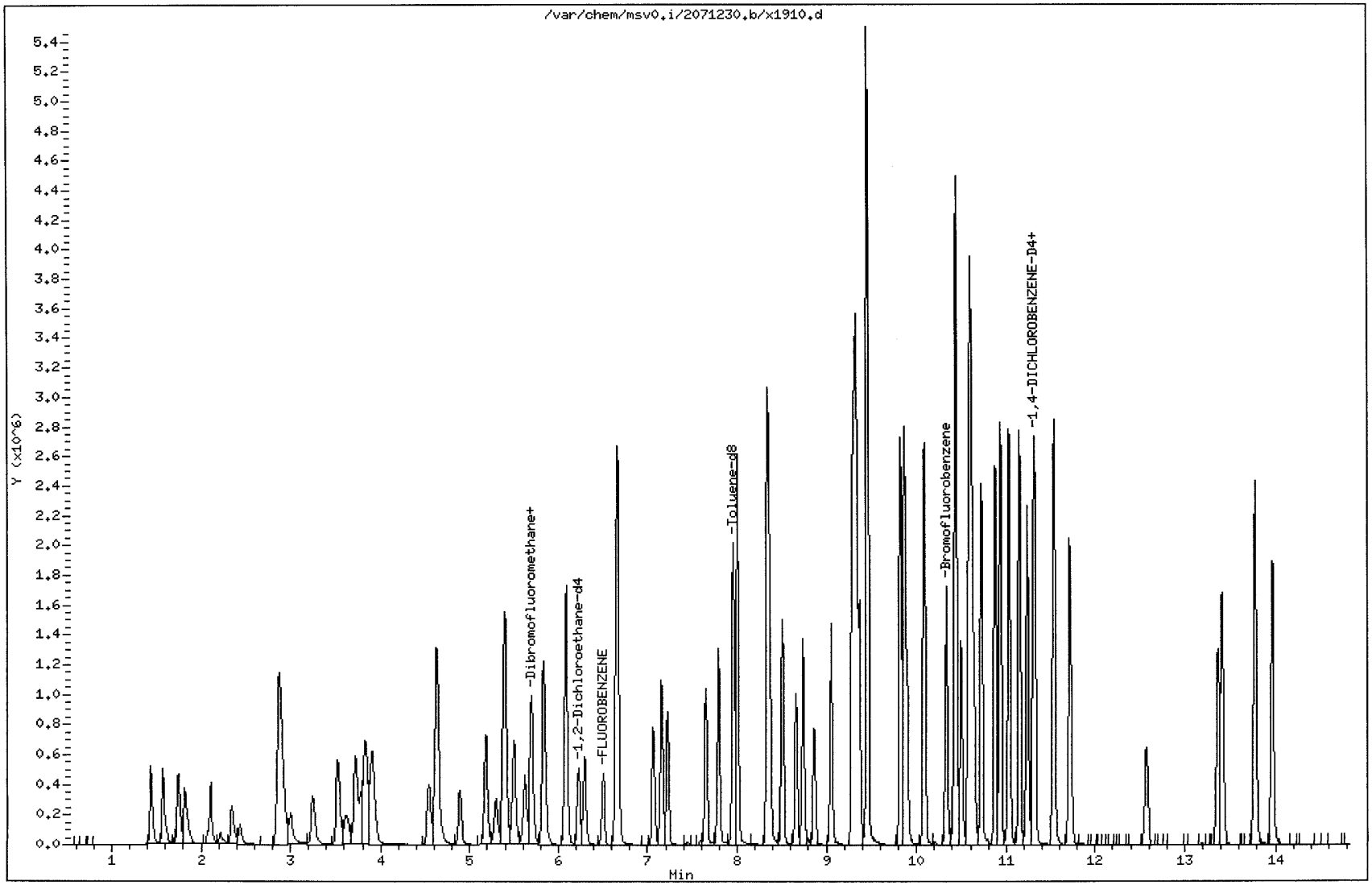
Sample Info: 1205*VOSTD200*6-13-9

Column phase: DB-624-30M

Instrument: msv0.i

Operator: JCK

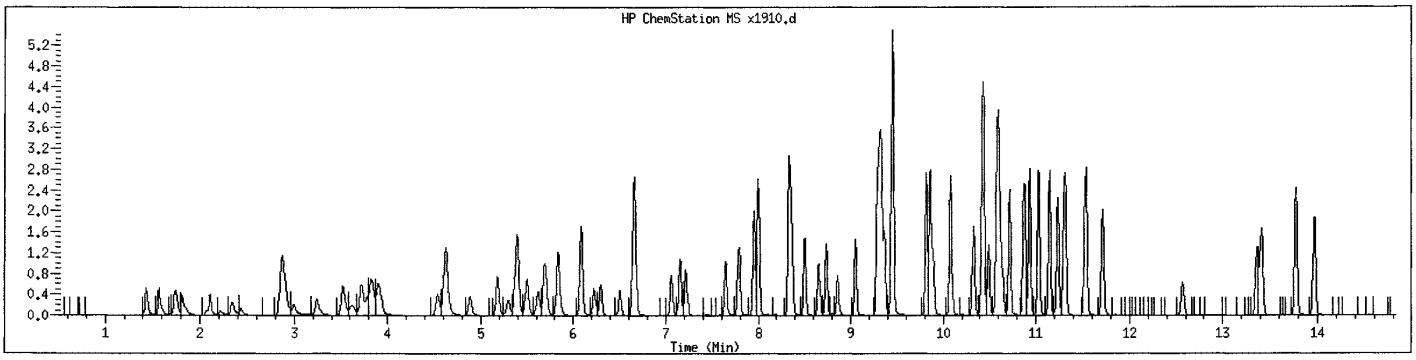
Column diameter: 0.53



Data file : /var/chem/msv0.i/2071230.b/x1910.d Page: 1
Report Date: 12/30/2007 20:12

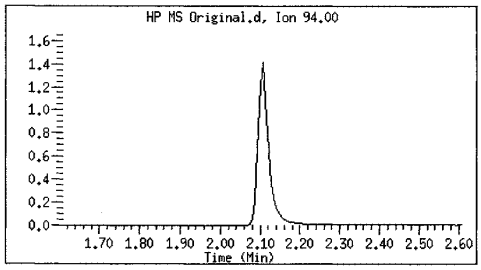
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1205 SampleType : CALIB_5
Injection Date: 12/30/2007 13:52 Instrument : msv0.i
Operator : JCK
Sample Info : 1205*V0STD200*6-13-9
Misc Info : MSV~12193~*1*JCK
Method : /var/chem/msv0.i/2071230.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



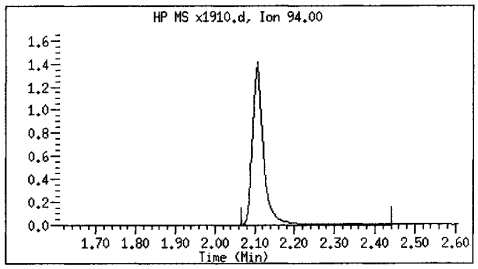
Original Final

5 Bromomethane CAS#: 74-83-9 Reason: M1

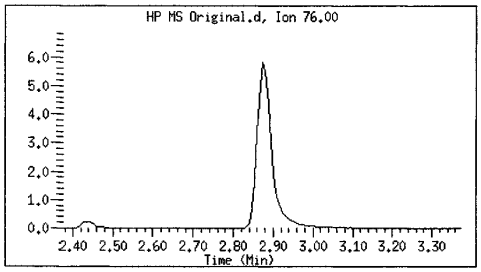


Electronic Signature
Applied

User: jck
Date: 12/30/2007 14:10



14 Carbon Disulfide CAS#: 75-15-0 Reason: M1



Electronic Signature
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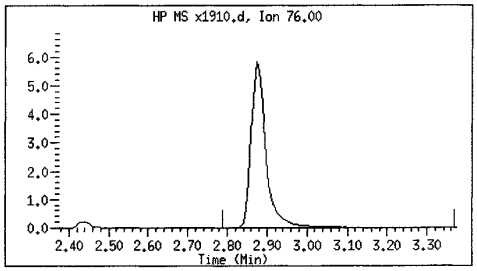
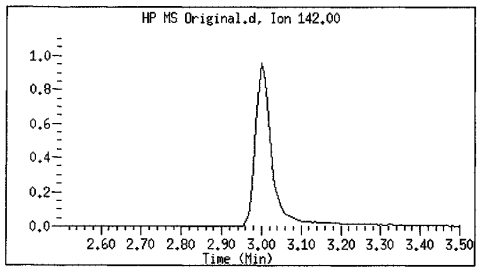
User: jck
Date: 12/30/2007 14:10



168692

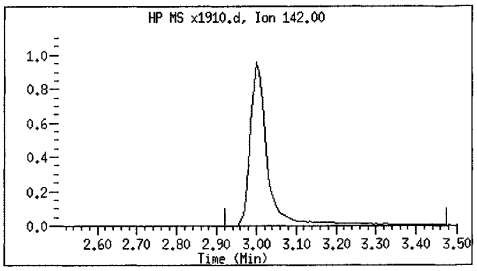
Original Final

13 Methyl Iodide CAS#: 74-88-4 Reason: M1

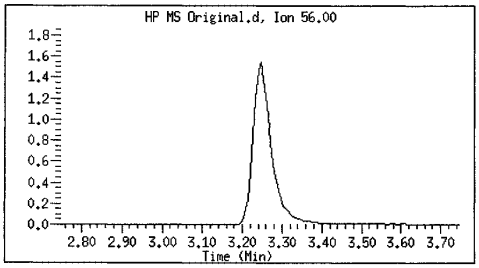


Electronic Signature Applied

User: jck
Date: 12/30/2007 14:10



10 Acrolein CAS#: 107-02-8 Reason: M1



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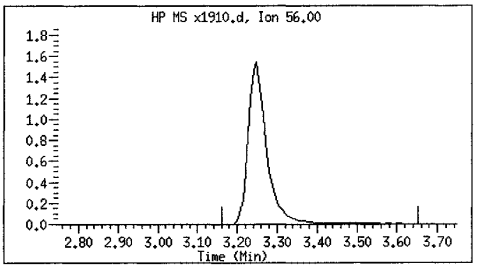
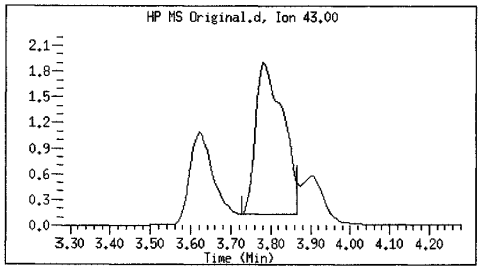
Date: 12/30/2007 14:10



16 Methyl Acetate CAS#: 79-20-9 Reason: M2



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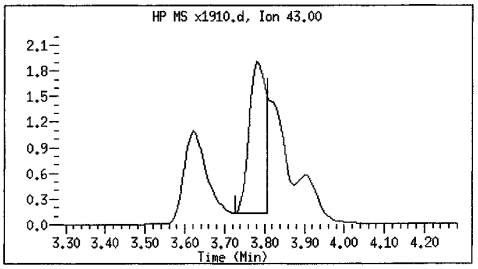
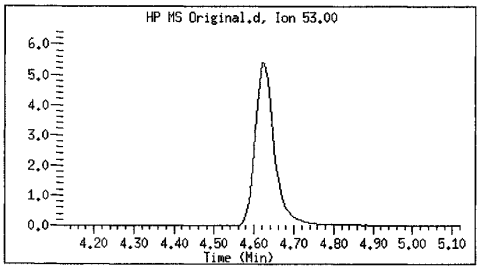
User: jck
Date: 12/30/2007 14:11



22 Acrylonitrile CAS#: 107-13-1 Reason: M1



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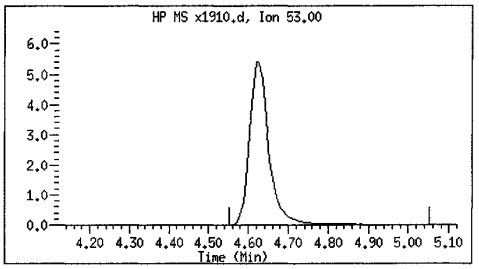
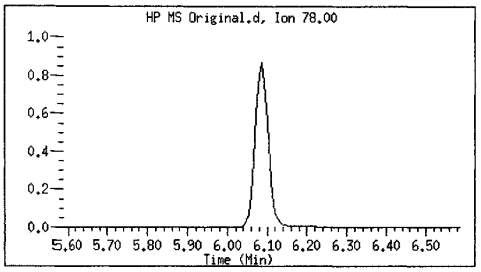
Date: 12/30/2007 14:11



46 Benzene CAS#: 71-43-2 Reason: M1



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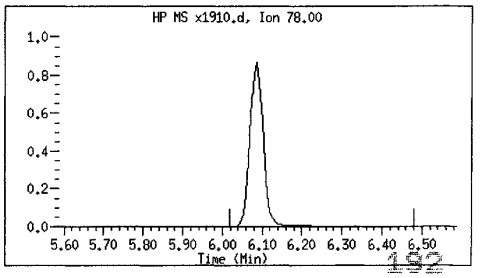
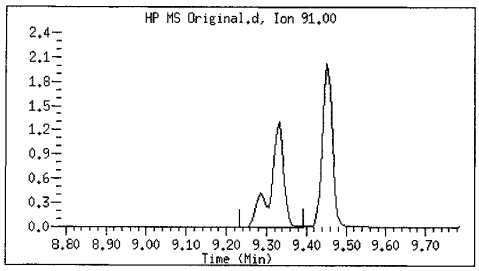
User: jck
Date: 12/30/2007 14:11



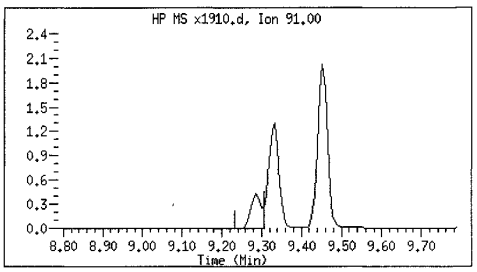
Original Final

84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



Electronic Signature Applied

User: jck
Date: 12/30/2007 14:12



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

168694

Data File: /var/chem/msv0.i/2071230.b/x1913.d
Report Date: 30-Dec-2007 20:16

GCAL, Inc.

RECOVERY REPORT

Client Name:
Client SDG: 2071230
Sample Matrix: SOLID
Fraction: VOA
Lab Smp Id: 1600
Client Smp ID: 8260ICV
Level: LOW
Operator: JCK
Data Type: MS DATA
SampleType: LCS
SpikeList File: ICV.spk
Quant Type: ISTD
Sublist File: 8260b.sub
Method File: /var/chem/msv0.i/2071230.b/8260Bs0.m
Misc Info: MSV~12193~*1*JCK

SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1	Dichlorodifluoromethane	50.0	43.2	86.30	75-125
2	Chloromethane ++	50.0	49.9	99.84	75-125
4	Vinyl Chloride +	50.0	54.6	109.21	75-125
5	Bromomethane	50.0	63.7	127.33*	75-125
6	Chloroethane	50.0	48.3	96.68	75-125
7	Trichlorofluoromethane	50.0	52.9	105.83	75-125
11	1,1-Dichloroethene +	50.0	61.4	122.79	75-125
14	Carbon Disulfide	50.0	49.1	98.13	75-125
9	1,1,2Trichlotrifluoroethane	50.0	49.8	99.57	75-125
13	Methyl Iodide	50.0	58.4	116.83	75-125
10	Acrolein	250	293	117.38	60-140
18	Methylene Chloride	50.0	50.6	101.14	75-125
12	Acetone	50.0	60.7	121.42	60-140
21	trans-1,2-Dichloroethene	50.0	59.1	118.14	75-125
16	Methyl Acetate	50.0	56.8	113.58	75-125
23	Hexane	50.0	49.4	98.77	75-125
20	MTBE	50.0	53.7	107.45	75-125
26	1,1-Dichloroethane ++	50.0	56.0	112.07	75-125
22	Acrylonitrile	250	255	101.84	60-140
27	Vinyl Acetate	50.0	63.5	126.98*	75-125
30	cis-1,2-Dichloroethene	50.0	55.8	111.52	75-125
29	2,2-Dichloropropane	50.0	61.4	122.79	75-125
39	Cyclohexane	50.0	52.8	105.56	75-125
34	Bromochloromethane	50.0	59.1	118.25	75-125
38	Chloroform +	50.0	50.5	101.07	75-125
42	Carbon Tetrachloride	50.0	55.9	111.75	75-125
40	1,1,1-Trichloroethane	50.0	59.1	118.19	75-125
31	2-Butanone	50.0	55.0	109.94	60-140
43	1,1-Dichloropropene	50.0	55.4	110.80	75-125
46	Benzene	50.0	52.5	104.92	75-125
48	1,2-Dichloroethane	50.0	52.9	105.77	75-125
52	Methyl cyclohexane	50.0	51.5	102.99	75-125
50	Trichloroethene	50.0	53.6	107.11	75-125

168695

	SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
M	75	Total 1,2-Dichloroethene	100	115	114.83	75-125
	58	Dibromomethane	50.0	54.7	109.34	75-125
	54	1,2-Dichloropropane +	50.0	53.0	105.94	75-125
	61	Bromodichloromethane	50.0	52.1	104.28	75-125
	62	2-Chloroethyl vinyl ether	50.0	0.00	*	75-125
	65	cis-1,3-Dichloropropene	50.0	53.6	107.25	75-125
	68	Toluene +	50.0	50.3	100.51	75-125
	66	4-methyl-2-pentanone	50.0	54.6	109.13	60-140
	78	Tetrachloroethene	50.0	52.6	105.27	75-125
	71	trans-1,3-Dichloropropene	50.0	53.1	106.23	75-125
	76	1,1,2-Trichloroethane	50.0	52.0	103.91	75-125
	81	Dibromochloromethane	50.0	52.2	104.30	75-125
	79	1,3-Dichloropropane	50.0	53.3	106.67	75-125
	83	1,2-Dibromoethane(EDB)	50.0	52.9	105.90	75-125
	80	2-Hexanone	50.0	55.0	110.08	60-140
	84	1-Chlorohexane	50.0	52.0	103.90	75-125
	86	Chlorobenzene ++	50.0	52.0	104.04	75-125
	87	Ethylbenzene +	50.0	52.1	104.13	75-125
	89	1,1,1,2-Tetrachloroethane	50.0	53.0	106.09	75-125
	90	p,m-Xylene	100	103	102.81	75-125
	91	o-Xylene	50.0	51.4	102.87	75-125
	92	Styrene	50.0	50.5	100.95	75-125
	95	Bromoform ++	50.0	55.9	111.88	75-125
	96	Isopropylbenzene	50.0	49.2	98.42	75-125
	102	Bromobenzene	50.0	51.7	103.38	75-125
	103	n-Propylbenzene	50.0	51.1	102.22	75-125
	101	1,1,2,2-Tetrachloroethane++	50.0	52.6	105.17	75-125
	105	2-Chlorotoluene	50.0	51.7	103.46	75-125
	107	1,3,5-Trimethylbenzene	50.0	50.7	101.40	75-125
	104	1,2,3-Trichloropropane	50.0	62.7	125.31*	75-125
	106	trans-1,4-Dichloro-2-Butene	50.0	100	200.30*	60-140
	108	4-Chlorotoluene	50.0	51.6	103.27	75-125
	109	tert-butylbenzene	50.0	50.9	101.73	75-125
	110	1,2,4-Trimethylbenzene	50.0	50.8	101.51	75-125
	112	sec-Butylbenzene	50.0	50.2	100.48	75-125
	113	p-Isopropyltoluene	50.0	50.3	100.64	75-125
	114	1,3-Dichlorobenzene	50.0	52.2	104.31	75-125
M	127	TOTAL XYLENE	150	154	102.83	75-125
	117	1,4-Dichlorobenzene	50.0	51.3	102.61	75-125
	119	n-Butylbenzene	50.0	50.4	100.74	75-125
	120	1,2-Dichlorobenzene	50.0	51.5	102.99	75-125
	121	1,2-Dibromo-3-Chloropropane	50.0	59.6	119.13	60-140
	124	Hexachlorobutadiene	50.0	47.2	94.40	75-125
	123	1,2,4-Trichlorobenzene	50.0	53.6	107.27	75-125
	126	1,2,3-Trichlorobenzene	50.0	51.9	103.84	75-125

168696

GCAL, Inc.

RECOVERY REPORT

Client Name:
Client SDG: 2071230
Sample Matrix: SOLID
Fraction: VOA
Lab Smp Id: 1600
Client Smp ID: 8260ICV
Level: LOW
Operator: JCK
Data Type: MS DATA
SampleType: LCS
SpikeList File: ICV.spk
Quant Type: ISTD
Sublist File: 8260b.sub
Method File: /var/chem/msv0.i/2071230.b/8260Bs0.m
Misc Info: MSV~12193~*1*JCK

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 41 Dibromofluoromethane	50.0	49.5	99.06	65-130
$ 47 1,2-Dichloroethane-d4	50.0	49.1	98.27	62-125
$ 67 Toluene-d8	50.0	49.3	98.53	71-132
$ 98 Bromofluorobenzene	50.0	47.9	95.85	62-127

168697

GCAL, Inc.

Data file : /var/chem/msv0.i/2071230.b/x1913.d
Lab Smp Id: 1600 Client Smp ID: 8260ICV
Inj Date : 30-DEC-2007 15:15
Operator : JCK Inst ID: msv0.i
Smp Info : 1600*8260ICV
Misc Info : MSV~12193~*1*JCK
Comment :
Method : /var/chem/msv0.i/2071230.b/8260Bs0.m
Meth Date : 30-Dec-2007 20:12 jck Quant Type: ISTD
Cal Date : 12-DEC-2007 05:17 Cal File: x1341.d
Als bottle: 10 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
1	Dichlorodifluoromethane	85	1.565	1.567	(0.241)	139757	43.1516	43.2	9354
2	Chloromethane ++	50	1.739	1.741	(0.267)	211555	49.9187	49.9	9812
4	Vinyl Chloride +	62	1.819	1.814	(0.280)	154630	54.6065	54.6	9760
5	Bromomethane	94	2.105	2.107	(0.324)	87485	63.6660	63.7	0(RM1)
6	Chloroethane	64	2.219	2.214	(0.341)	48006	48.3423	48.3	9315
7	Trichlorofluoromethane	101	2.352	2.340	(0.362)	119498	52.9162	52.9	9735
11	1,1-Dichloroethene +	96	2.859	2.854	(0.439)	104103	61.3944	61.4	7792
14	Carbon Disulfide	76	2.885	2.874	(0.444)	405924	49.0651	49.1	9863
9	1,1,2Trichlotrifluoroethane	101	2.912	2.907	(0.448)	108665	49.7859	49.8	9524
13	Methyl Iodide	142	3.005	3.000	(0.462)	91442	58.4166	58.4	9410
10	Acrolein	56	3.252	3.247	(0.500)	141968	293.458	293	9548
18	Methylene Chloride	49	3.525	3.520	(0.542)	140233	50.5707	50.6	9746
12	Acetone	43	3.618	3.620	(0.556)	114483	60.7121	60.7	9464

168698

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	21	trans-1,2-Dichloroethene	61	3.725	3.720	(0.573)	134566	59.0701	59.1	9690
	16	Methyl Acetate	43	3.785	3.780	(0.582)	156512	56.7903	56.8	0(M1)
	23	Hexane	57	3.838	3.833	(0.590)	138472	49.3862	49.4	9598(M2)
	20	MTBE	73	3.905	3.907	(0.600)	345393	53.7234	53.7	9839
	26	1,1-Dichloroethane ++	63	4.538	4.540	(0.698)	186999	56.0341	56.0	9826
	22	Acrylonitrile	53	4.625	4.620	(0.711)	454854	254.611	255	9815
	27	Vinyl Acetate	43	4.891	4.887	(0.752)	253017	63.4891	63.5	(R)
	30	cis-1,2-Dichloroethene	61	5.185	5.180	(0.797)	152866	55.7579	55.8	9799
	29	2,2-Dichloropropane	77	5.298	5.300	(0.815)	142008	61.3959	61.4	9866
	39	Cyclohexane	56	5.391	5.386	(0.829)	185126	52.7798	52.8	9769
	34	Bromochloromethane	128	5.405	5.400	(0.831)	71549	59.1268	59.1	9866
	38	Chloroform +	83	5.498	5.500	(0.845)	228226	50.5352	50.5	9866
	42	Carbon Tetrachloride	117	5.625	5.620	(0.865)	117629	55.8727	55.9	9635
$	41	Dibromofluoromethane	111	5.691	5.693	(0.875)	105399	49.5288	49.5	9860
	40	1,1,1-Trichloroethane	97	5.698	5.700	(0.876)	144080	59.0974	59.1	9766
	43	1,1-Dichloropropene	75	5.831	5.833	(0.896)	174544	55.4001	55.4	9792
	31	2-Butanone	43	5.845	5.846	(0.899)	231927	54.9680	55.0	
	46	Benzene	78	6.091	6.086	(0.936)	554498	52.4597	52.5	9906
$	47	1,2-Dichloroethane-d4	67	6.231	6.226	(0.958)	55751	49.1325	49.1	9715
	48	1,2-Dichloroethane	62	6.298	6.293	(0.968)	139040	52.8843	52.9	9772
*	49	FLUOROBENZENE	96	6.504	6.506	(1.000)	515581	50.0000		9610
	52	Methyl cyclohexane	83	6.651	6.653	(1.023)	224630	51.4973	51.5	9005
	50	Trichloroethene	130	6.671	6.666	(1.026)	177452	53.5559	53.6	9832
	58	Dibromomethane	93	7.064	7.059	(1.086)	92184	54.6724	54.7	9631
	54	1,2-Dichloropropane +	63	7.158	7.153	(1.100)	132296	52.9706	53.0	9806
	61	Bromodichloromethane	83	7.224	7.219	(1.111)	180986	52.1387	52.1	9815
	64	1-Bromo-2-chloroethane	63	7.651	7.646	(1.176)	218743	44.9547	45.0	9850
	65	cis-1,3-Dichloropropene	75	7.791	7.793	(1.198)	244448	53.6266	53.6	
$	67	Toluene-d8	98	7.957	7.953	(0.856)	380340	49.2646	49.3	9811
	68	Toluene +	91	8.004	7.999	(0.861)	550150	50.2543	50.3	9874
	66	4-methyl-2-pentanone	43	8.344	8.339	(1.283)	324683	54.5671	54.6	
	78	Tetrachloroethene	164	8.337	8.332	(0.897)	124537	52.6339	52.6	9805
	71	trans-1,3-Dichloropropene	75	8.364	8.366	(0.900)	221606	53.1140	53.1	
	76	1,1,2-Trichloroethane	97	8.504	8.506	(0.915)	142589	51.9565	52.0	9848
	81	Dibromochloromethane	129	8.657	8.659	(0.931)	159902	52.1511	52.2	9825
	79	1,3-Dichloropropane	76	8.737	8.739	(0.940)	268059	53.3356	53.3	9833
	83	1,2-Dibromoethane(EDB)	107	8.864	8.859	(0.953)	154206	52.9475	52.9	9783
	80	2-Hexanone	43	9.050	9.052	(0.973)	301992	55.0397	55.0	9873
	84	1-Chlorohexane	91	9.284	9.286	(1.427)	204717	51.9505	52.0	3674(M2)
*	85	Chlorobenzene-d5	82	9.297	9.292	(1.000)	228660	50.0000		6826
	86	Chlorobenzene ++	112	9.310	9.312	(1.001)	354716	52.0224	52.0	8364
	87	Ethylbenzene +	106	9.330	9.332	(1.004)	177539	52.0625	52.1	9633
	89	1,1,1,2-Tetrachloroethane	133	9.364	9.366	(1.007)	131443	53.0465	53.0	9821
M	75	Total 1,2-Dichloroethene	61				287432	114.828	115	0
	90	p,m-Xylene	106	9.450	9.452	(1.016)	446320	102.810	103	9889
M	77	1-3 Dichloropropene-Total	100				466054	106.741	107	0
	91	o-Xylene	106	9.817	9.819	(1.056)	218359	51.4360	51.4	

168699

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
92	Styrene	104	9.864	9.865	(1.061)	382438	50.4727	50.5	9815
95	Bromoform ++	173	9.897	9.892	(1.065)	137934	55.9376	55.9	9721
96	Isopropylbenzene	105	10.084	10.085	(1.085)	540845	49.2121	49.2	9868
$ 98	Bromofluorobenzene	174	10.330	10.332	(1.111)	143116	47.9226	47.9	9808
102	Bromobenzene	77	10.423	10.425	(0.923)	296527	51.6878	51.7	9817
103	n-Propylbenzene	91	10.437	10.439	(0.924)	749685	51.1119	51.1	9756
101	1,1,2,2-Tetrachloroethane++	83	10.497	10.492	(0.929)	230881	52.5851	52.6	9789
105	2-Chlorotoluene	91	10.577	10.579	(0.936)	471421	51.7280	51.7	9845
107	1,3,5-Trimethylbenzene	105	10.597	10.599	(0.938)	465122	50.6984	50.7	
104	1,2,3-Trichloropropane	75	10.617	10.619	(0.940)	339766	62.6566	62.7	9736(R)
106	trans-1,4-Dichloro-2-Butene	53	10.643	10.645	(0.942)	59189	100.151	100	9879(R)
108	4-Chlorotoluene	91	10.723	10.719	(0.949)	442611	51.6343	51.6	9730
109	tert-butylbenzene	91	10.877	10.872	(0.963)	264168	50.8629	50.9	9842
110	1,2,4-Trimethylbenzene	105	10.937	10.932	(0.968)	469865	50.7543	50.8	
112	sec-Butylbenzene	105	11.030	11.025	(0.976)	623046	50.2399	50.2	
113	p-Isopropyltoluene	119	11.143	11.145	(0.986)	502466	50.3186	50.3	9726
114	1,3-Dichlorobenzene	146	11.237	11.232	(0.995)	341450	52.1557	52.2	
* 115	1,4-DICHLOROBENZENE-D4	152	11.297	11.298	(1.000)	226440	50.0000		6874
117	1,4-Dichlorobenzene	146	11.317	11.312	(1.002)	352424	51.3069	51.3	
119	n-Butylbenzene	91	11.530	11.532	(1.021)	529439	50.3686	50.4	9874
120	1,2-Dichlorobenzene	146	11.716	11.712	(1.037)	325352	51.4961	51.5	
121	1,2-Dibromo-3-Chloropropane	157	12.576	12.571	(1.113)	90480	59.5650	59.6	9518
124	Hexachlorobutadiene	225	13.369	13.365	(1.183)	79101	47.1997	47.2	9462
123	1,2,4-Trichlorobenzene	180	13.409	13.411	(1.187)	209118	53.6350	53.6	
125	Napthalene	128	13.776	13.778	(1.219)	680083	52.2828	52.3	9812
126	1,2,3-Trichlorobenzene	180	13.969	13.971	(1.237)	202561	51.9222	51.9	
M 127	TOTAL XYLENE	106				664679	154.246	154	0

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.

Data File: /var/chem/msv0.i/2071230.b/x1913.d

Page 1

Date : 30-DEC-2007 15:15

Client ID: 8260ICV

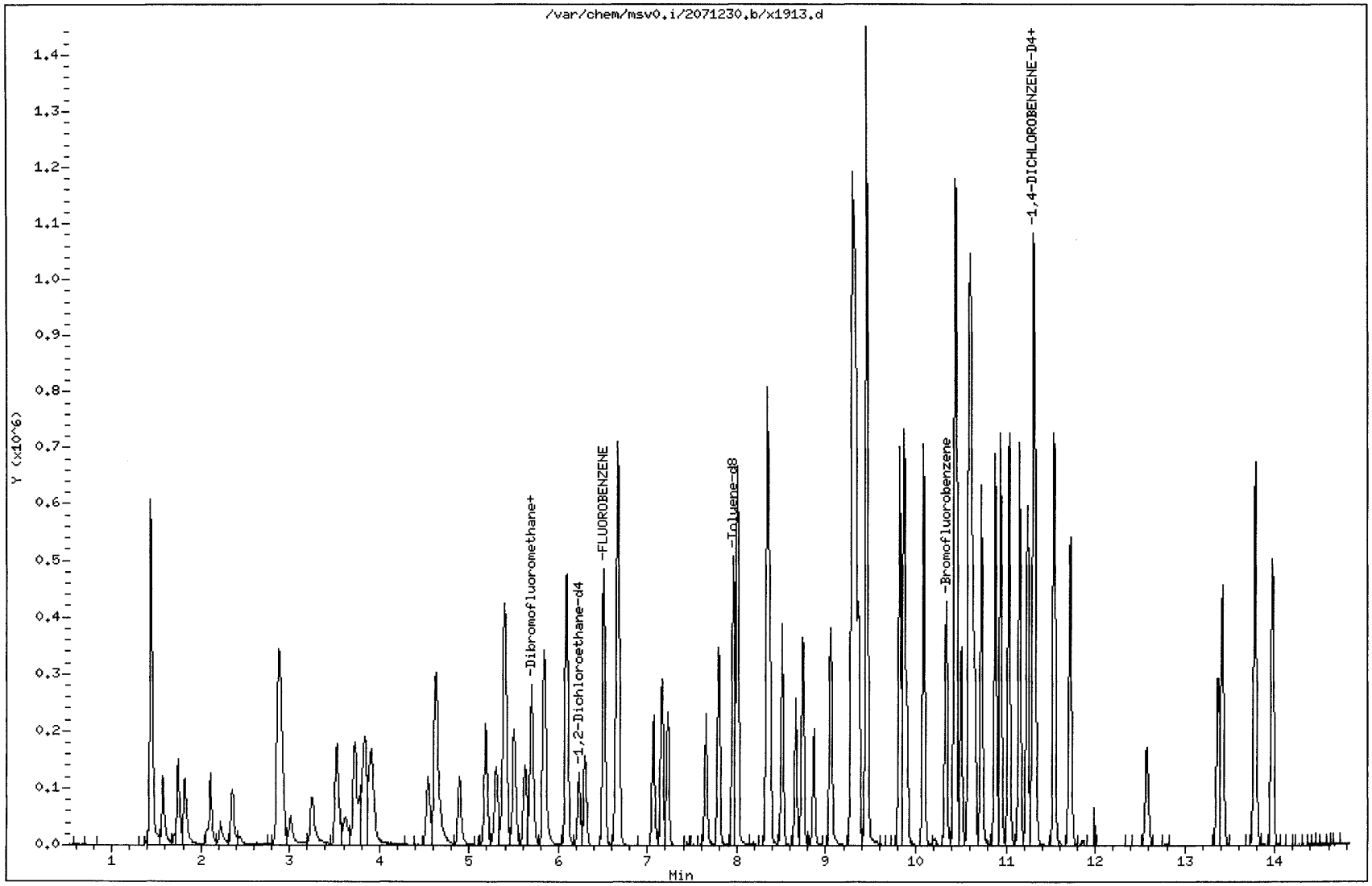
Instrument: msv0.i

Sample Info: 1600x8260ICV

Operator: JCK

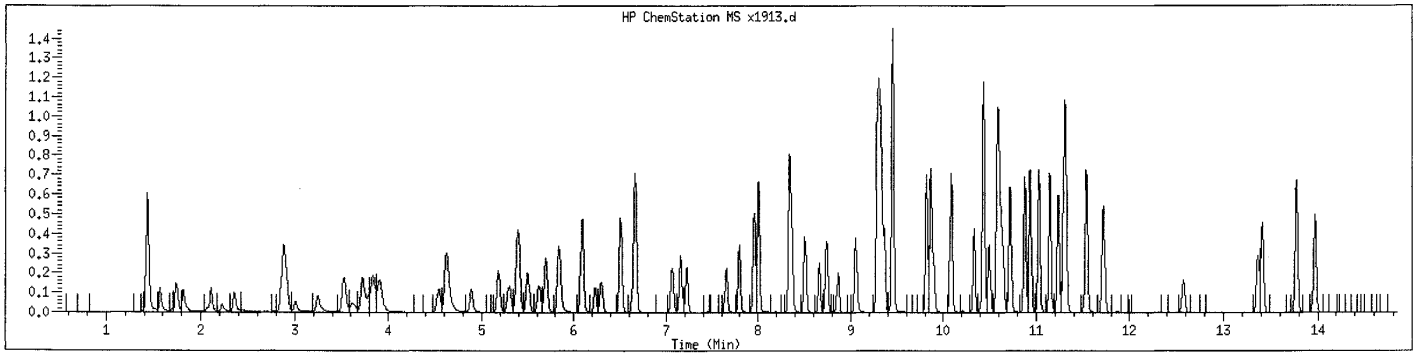
Column phase: DB-624-30M

Column diameter: 0.53



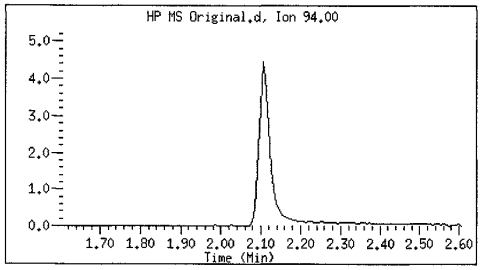
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1600 SampleType : LCS
Injection Date: 12/30/2007 15:15 Instrument : msv0.i
Operator : JCK
Sample Info : 1600*8260ICV
Misc Info : MSV~12193~*1*JCK
Method : /var/chem/msv0.i/2071230.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



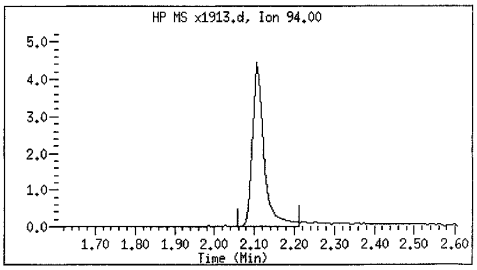
Original Final

5 Bromomethane CAS#: 74-83-9 Reason: M1

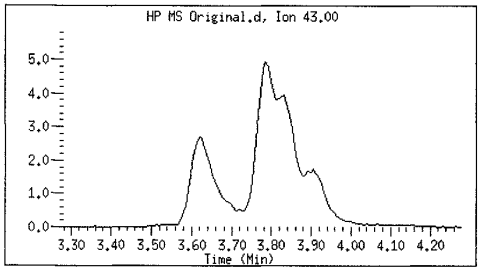


Electronic Signature
Applied

User: jck
Date: 12/30/2007 15:06

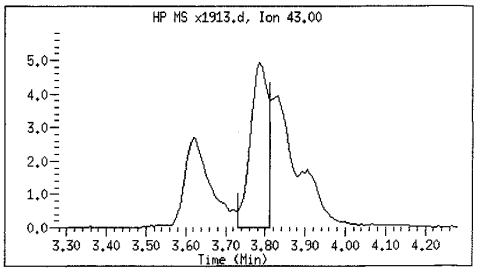


16 Methyl Acetate CAS#: 79-20-9 Reason: M1



Electronic Signature
Applied

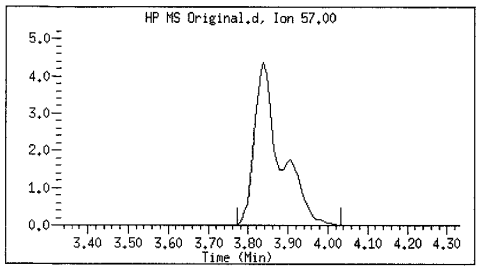
User: jck
Date: 12/30/2007 15:04



168702

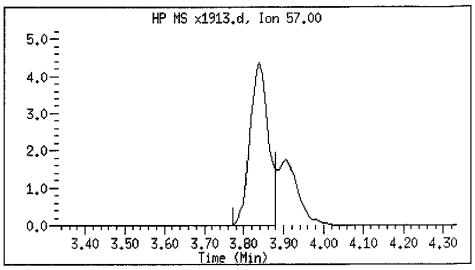
Original Final

23 Hexane CAS#: 110-54-3 Reason: M2

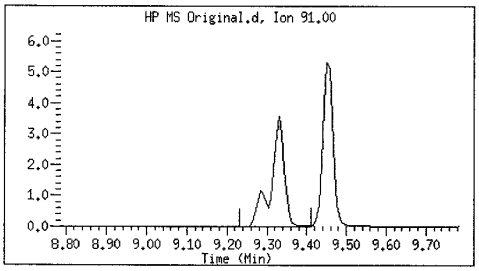


Electronic Signature Applied

User: jck
Date: 12/30/2007 15:04

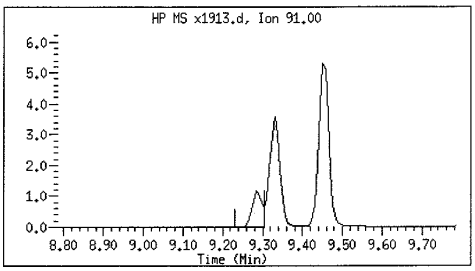


84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



Electronic Signature Applied

User: jck
Date: 12/30/2007 15:04



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

168703

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i Injection Date: 31-DEC-2007 10:47
Lab File ID: x1935.d Init. Cal. Date(s): 11-DEC-2007 30-DEC-2007
Analysis Type: SOIL Init. Cal. Times: 14:56 13:52
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv0.i/2071231.b/8260Bs0.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	0.31409	0.35521	0.35521	0.010	13.09242	30.00000	Averaged	
2 Chloromethane ++	59.47342	50.00000	0.48251	0.100	18.94683	0.000e+00	Linear	<-
4 Vinyl Chloride +	0.27461	0.32344	0.32344	0.010	17.77986	20.00000	Averaged	
5 Bromomethane	49.04501	50.00000	0.13480	0.005	-1.90998	0.000e+00	Quadratic	<-
6 Chloroethane	0.09630	0.07503	0.07503	0.010	-22.09491	30.00000	Averaged	
7 Trichlorofluoromethane	0.21900	0.23581	0.23581	0.010	7.67625	30.00000	Averaged	
11 1,1-Dichloroethene +	0.16444	0.18605	0.18605	0.010	13.13926	20.00000	Averaged	
14 Carbon Disulfide	0.80232	0.83234	0.83234	0.100	3.74241	30.00000	Averaged	
9 1,1,2Trichlotrifluoroethane	0.21167	0.24279	0.24279	0.010	14.70360	30.00000	Averaged	
13 Methyl Iodide	0.15180	0.19194	0.19194	0.010	26.44050	30.00000	Averaged	
10 Acrolein	0.04692	0.04916	0.04916	0.001	4.79300	40.00000	Averaged	
18 Methylene Chloride	0.26892	0.25766	0.25766	0.100	-4.18779	30.00000	Averaged	
12 Acetone	73.85836	50.00000	0.26875	0.010	47.71671	0.000e+00	Quadratic	<-
21 trans-1,2-Dichloroethene	0.22092	0.24591	0.24591	0.100	11.31228	30.00000	Averaged	
16 Methyl Acetate	0.26727	0.30002	0.30002	0.010	12.25324	30.00000	Averaged	
23 Hexane	0.27191	0.29099	0.29099	0.100	7.01601	30.00000	Averaged	
20 MTBE	0.62348	0.67742	0.67742	0.100	8.65131	30.00000	Averaged	
26 1,1-Dichloroethane ++	0.32364	0.35041	0.35041	0.100	8.27130	30.00000	Averaged	
22 Acrylonitrile	0.17325	0.17269	0.17269	0.010	-0.32181	40.00000	Averaged	
27 Vinyl Acetate	0.38648	0.41183	0.41183	0.100	6.56128	30.00000	Averaged	
30 cis-1,2-Dichloroethene	0.26588	0.29325	0.29325	0.100	10.29470	30.00000	Averaged	
29 2,2-Dichloropropane	0.22431	0.27578	0.27578	0.100	22.94485	30.00000	Averaged	
39 Cyclohexane	0.34015	0.37808	0.37808	0.100	11.15066	30.00000	Averaged	
34 Bromochloromethane	0.11735	0.13339	0.13339	0.050	13.66482	30.00000	Averaged	
38 Chloroform +	0.43797	0.44435	0.44435	0.100	1.45646	20.00000	Averaged	
42 Carbon Tetrachloride	0.20417	0.23020	0.23020	0.100	12.74982	30.00000	Averaged	
$ 41 Dibromofluoromethane	0.20637	0.24650	0.24650	0.100	19.44403	30.00000	Averaged	
40 1,1,1-Trichloroethane	0.23643	0.27661	0.27661	0.100	16.99428	30.00000	Averaged	
43 1,1-Dichloropropene	0.30554	0.34064	0.34064	0.100	11.48740	30.00000	Averaged	
31 2-Butanone	0.40918	0.44158	0.44158	0.050	7.91747	40.00000	Averaged	
46 Benzene	1.02506	1.09819	1.09819	0.100	7.13467	30.00000	Averaged	
$ 47 1,2-Dichloroethane-d4	0.11004	0.12742	0.12742	0.010	15.79134	30.00000	Averaged	
48 1,2-Dichloroethane	0.25497	0.27629	0.27629	0.100	8.36427	30.00000	Averaged	
52 Methyl cyclohexane	0.42302	0.47573	0.47573	0.100	12.46114	30.00000	Averaged	
50 Trichloroethene	0.32133	0.35310	0.35310	0.100	9.88696	30.00000	Averaged	

168704

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i Injection Date: 31-DEC-2007 10:47
Lab File ID: x1935.d Init. Cal. Date(s): 11-DEC-2007 30-DEC-2007
Analysis Type: SOIL Init. Cal. Times: 14:56 13:52
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv0.i/2071231.b/8260Bs0.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
58 Dibromomethane	0.16352	0.17959	0.17959	0.100	9.82755	30.00000	Averaged	
54 1,2-Dichloropropane +	0.24221	0.26499	0.26499	0.100	9.40889	20.00000	Averaged	
61 Bromodichloromethane	0.33663	0.35739	0.35739	0.100	6.16517	30.00000	Averaged	
64 1-Bromo-2-chloroethane	0.47188	0.50245	0.50245	0.010	6.47722	30.00000	Averaged	
62 2-Chloroethyl vinyl ether	++++	0.50245	0.50245	0.010	++++	30.00000	Averaged	<-
65 cis-1,3-Dichloropropene	0.44206	0.48726	0.48726	0.100	10.22525	30.00000	Averaged	
$ 67 Toluene-d8	1.68817	2.00263	2.00263	0.100	18.62719	30.00000	Averaged	
68 Toluene +	2.39380	2.55013	2.55013	0.100	6.53076	20.00000	Averaged	
66 4-methyl-2-pentanone	0.57703	0.62540	0.62540	0.100	8.38101	40.00000	Averaged	
78 Tetrachloroethene	0.51738	0.57355	0.57355	0.100	10.85548	30.00000	Averaged	
71 trans-1,3-Dichloropropene	0.91233	0.99848	0.99848	0.100	9.44228	30.00000	Averaged	
76 1,1,2-Trichloroethane	0.60010	0.65059	0.65059	0.100	8.41252	30.00000	Averaged	
81 Dibromochloromethane	0.67046	0.71804	0.71804	0.100	7.09648	30.00000	Averaged	
79 1,3-Dichloropropane	1.09899	1.15804	1.15804	0.100	5.37311	30.00000	Averaged	
83 1,2-Dibromoethane(EDB)	0.63685	0.67638	0.67638	0.100	6.20708	30.00000	Averaged	
80 2-Hexanone	1.19977	1.27179	1.27179	0.100	6.00272	40.00000	Averaged	
84 1-Chlorohexane	0.38215	0.44422	0.44422	0.100	16.24122	30.00000	Averaged	
86 Chlorobenzene ++	1.49097	1.60573	1.60573	0.300	7.69687	50.00000	Averaged	
87 Ethylbenzene +	0.74567	0.82033	0.82033	0.100	10.01208	20.00000	Averaged	
89 1,1,1,2-Tetrachloroethane	0.54183	0.59622	0.59622	0.100	10.03798	30.00000	Averaged	
M 75 Total 1,2-Dichloroethene	0.24340	0.26958	0.26958	0.100	10.75651	30.00000	Averaged	
90 p,m-Xylene	0.94928	1.02934	1.02934	0.100	8.43419	30.00000	Averaged	
M 77 1-3 Dichloropropene-Total	0.42159	0.46525	0.46525	0.100	10.35632	30.00000	Averaged	
91 o-Xylene	0.92829	1.01385	1.01385	0.100	9.21662	30.00000	Averaged	
92 Styrene	1.65685	1.80199	1.80199	0.100	8.75970	30.00000	Averaged	
95 Bromoform ++	0.53920	0.59546	0.59546	0.100	10.43545	30.00000	Averaged	
96 Isopropylbenzene	2.40315	2.62172	2.62172	0.100	9.09531	30.00000	Averaged	
$ 98 Bromofluorobenzene	0.65302	0.70282	0.70282	0.100	7.62654	30.00000	Averaged	
102 Bromobenzene	1.26676	1.34218	1.34218	0.100	5.95388	30.00000	Averaged	
103 n-Propylbenzene	3.23872	3.50617	3.50617	0.100	8.25788	30.00000	Averaged	
101 1,1,2,2-Tetrachloroethane++	0.96949	1.03681	1.03681	0.300	6.94434	30.00000	Averaged	
105 2-Chlorotoluene	2.01233	2.14057	2.14057	0.100	6.37244	30.00000	Averaged	
107 1,3,5-Trimethylbenzene	2.02577	2.20793	2.20793	0.100	8.99248	30.00000	Averaged	
104 1,2,3-Trichloropropane	1.19737	1.29669	1.29669	0.100	8.29486	30.00000	Averaged	
106 trans-1,4-Dichloro-2-Butene	54.69221	50.00000	0.13976	0.100	9.38443	0.000e+00	Linear	<-

168705

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i Injection Date: 31-DEC-2007 10:47
Lab File ID: x1935.d Init. Cal. Date(s): 11-DEC-2007 30-DEC-2007
Analysis Type: SOIL Init. Cal. Times: 14:56 13:52
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv0.i/2071231.b/8260Bs0.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
108 4-Chlorotoluene	1.89278	2.04557	2.04557	0.100	8.07225	30.00000	Averaged	
109 tert-butylbenzene	1.14682	1.23764	1.23764	0.100	7.91912	30.00000	Averaged	
110 1,2,4-Trimethylbenzene	2.04417	2.19478	2.19478	0.100	7.36754	30.00000	Averaged	
112 sec-Butylbenzene	2.73834	2.97496	2.97496	0.100	8.64095	30.00000	Averaged	
113 p-Isopropyltoluene	2.20493	2.39740	2.39740	0.100	8.72905	30.00000	Averaged	
114 1,3-Dichlorobenzene	1.44558	1.53913	1.53913	0.100	6.47118	30.00000	Averaged	
117 1,4-Dichlorobenzene	1.51672	1.59383	1.59383	0.100	5.08407	30.00000	Averaged	
119 n-Butylbenzene	2.32099	2.55456	2.55456	0.100	10.06362	30.00000	Averaged	
120 1,2-Dichlorobenzene	1.39507	1.48413	1.48413	0.100	6.38423	30.00000	Averaged	
121 1,2-Dibromo-3-Chloropropane	0.33541	0.38749	0.38749	0.100	15.52515	40.00000	Averaged	
124 Hexachlorobutadiene	0.37005	0.42249	0.42249	0.100	14.17053	30.00000	Averaged	
123 1,2,4-Trichlorobenzene	0.86091	0.96239	0.96239	0.100	11.78720	30.00000	Averaged	
125 Napthalene	51.42453	50.00000	2.95602	0.100	2.84905	0.000e+00	Linear	<-
126 1,2,3-Trichlorobenzene	0.86143	0.93836	0.93836	0.100	8.93037	30.00000	Averaged	
M 127 TOTAL XYLENE	0.94228	1.02418	1.02418	0.100	8.69113	30.00000	Averaged	

168706

GCAL, Inc.

Data file : /var/chem/msv0.i/2071231.b/x1934.d
Lab Smp Id: 1000 Client Smp ID: V7BFB01
Inj Date : 31-DEC-2007 10:06
Operator : AJV Inst ID: msv0.i
Smp Info : 1000*V7BFB01
Misc Info : MSV~12197~*1*AJV
Comment :
Method : /var/chem/msv0.i/2071231.b/bfb0.m
Meth Date : 05-Dec-2007 11:25 kcb Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb					CAS #: 460-00-4		
10.325	10.335 (0.000)	95	70998			100.00- 100.00	100.00
10.325	10.335 (0.000)	50	10853			15.00- 40.00	15.29
10.325	10.335 (0.000)	75	32631			30.00- 60.00	45.96
10.325	10.335 (0.000)	96	4842			5.00- 9.00	6.82
10.325	10.335 (0.000)	173	0			0.00- 2.00	0.00
10.325	10.335 (0.000)	174	55880			50.00- 120.00	78.71
10.325	10.335 (0.000)	175	4123			5.00- 9.00	7.38
10.325	10.335 (0.000)	176	54312			95.00- 101.00	97.19
10.325	10.335 (0.000)	177	3536			5.00- 9.00	6.51

168707

Data File: /var/chem/msv0.i/2071231.b/x1934.d

Date : 31-DEC-2007 10:06

Client ID: V7BFB01

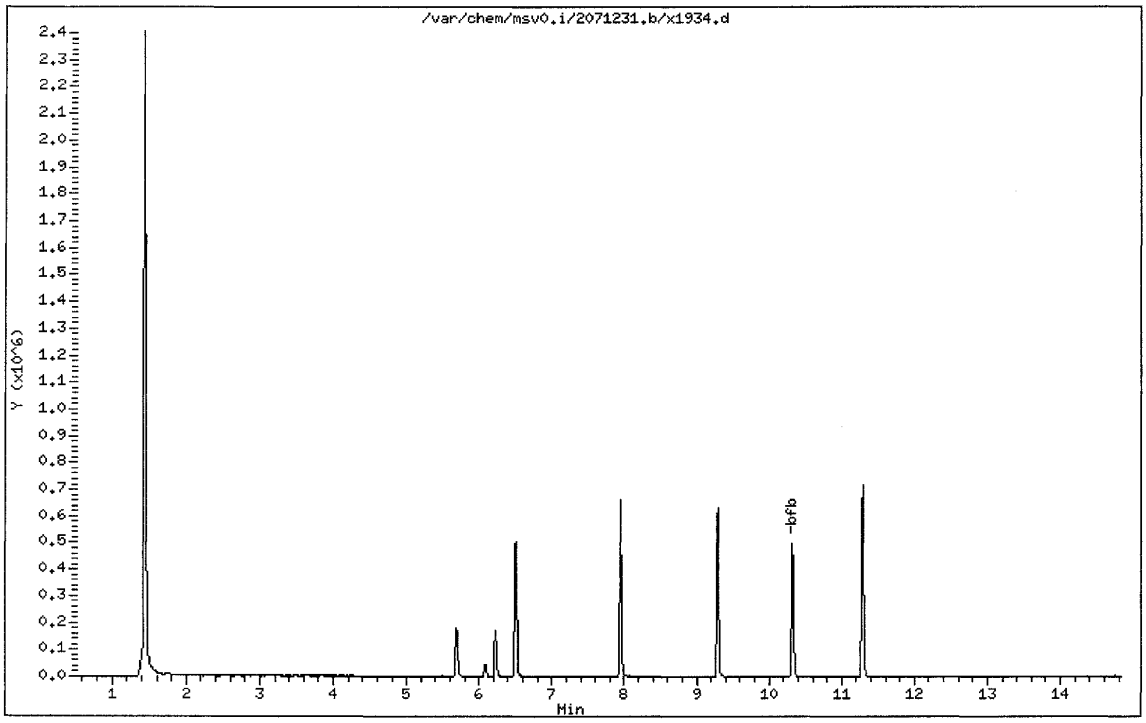
Instrument: msv0.i

Sample Info: 1000*V7BFB01

Operator: AJV

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv0.i/2071231.b/x1934.d

Date : 31-DEC-2007 10:06

Client ID: V7BFB01

Instrument: msv0.i

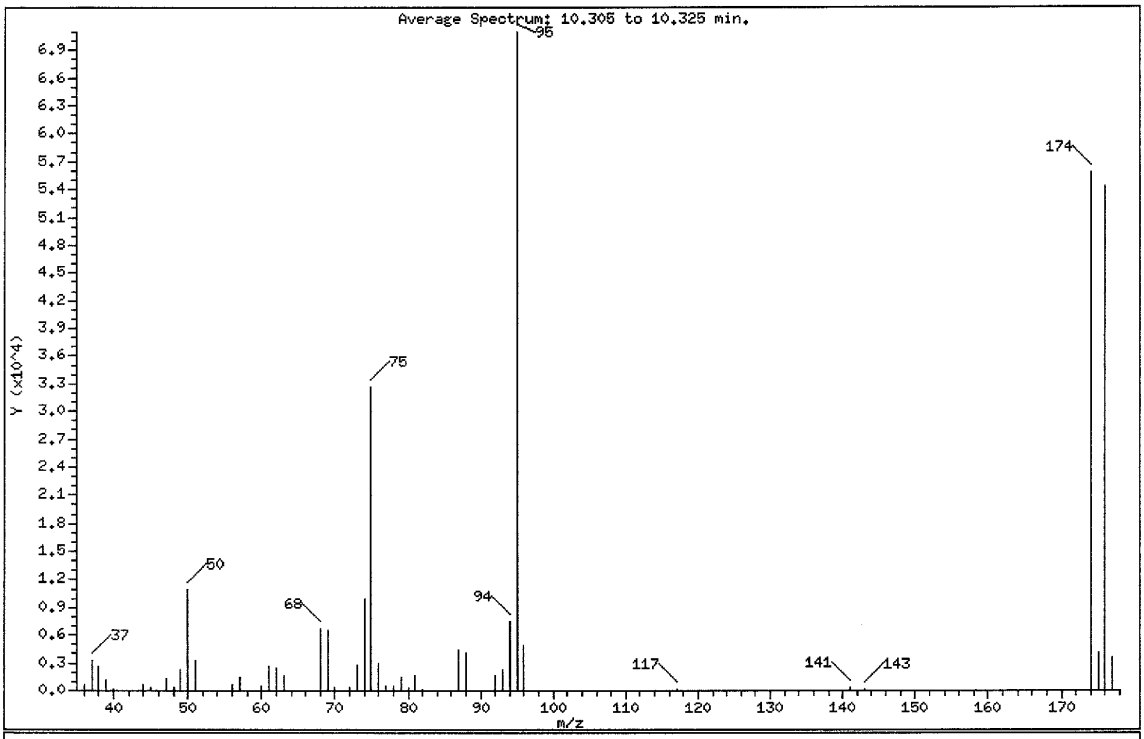
Sample Info: 1000*V7BFB01

Operator: AJV

Column phase: DB-624-30M

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.29
75	30.00 - 60.00% of mass 95	45.96
96	5.00 - 9.00% of mass 95	6.82
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	78.71
175	5.00 - 9.00% of mass 174	5.81 (7.38)
176	95.00 - 101.00% of mass 174	76.50 (97.19)
177	5.00 - 9.00% of mass 176	4.98 (6.51)

Data File: /var/chem/msv0.i/2071231.b/x1934.d

Date : 31-DEC-2007 10:06

Client ID: V7BFB01 Instrument: msv0.i

Sample Info: 1000xV7BFB01

Operator: AJV

Column phase: DB-624-30M Column diameter: 0.53

Data File: x1934.d
Spectrum: Average Spectrum: 10.305 to 10.325 min.
Location of Maximum: 95.00
Number of points: 46

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	642	56.00	705	75.00	32624	94.00	7480
37.00	3271	57.00	1398	76.00	2858	95.00	70992
38.00	2655	60.00	537	77.00	502	96.00	4842
39.00	1175	61.00	2641	78.00	412	117.00	103
40.00	215	62.00	2385	79.00	1531	141.00	298
44.00	642	63.00	1698	80.00	328	143.00	243
45.00	297	68.00	6766	81.00	1650	174.00	55880
47.00	1249	69.00	6556	82.00	101	175.00	4123
48.00	280	70.00	384	87.00	4403	176.00	54312
49.00	2359	72.00	274	88.00	4017	177.00	3536
50.00	10853	73.00	2832	92.00	1603		
51.00	3290	74.00	10011	93.00	2361		

168710

GCAL, Inc.

Data file : /var/chem/msv0.i/2071231.b/x1935.d
Lab Smp Id: 1400 Client Smp ID: V7STD050
Inj Date : 31-DEC-2007 10:47
Operator : KCB Inst ID: msv0.i
Smp Info : 1400*V7STD050
Misc Info : MSV~12197~*1*AJV
Comment :
Method : /var/chem/msv0.i/2071231.b/8260Bs0.m
Meth Date : 31-Dec-2007 13:34 kcb Quant Type: ISTD
Cal Date : 12-DEC-2007 05:17 Cal File: x1341.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.568	1.568	(0.241)	194745	50.0000	56.5	9484
2 Chloromethane ++	50	1.741	1.741	(0.268)	264541	50.0000	59.5	9767
4 Vinyl Chloride +	62	1.815	1.815	(0.279)	177328	50.0000	58.9	9697
5 Bromomethane	94	2.108	2.108	(0.324)	73906	50.0000	49.0	0(M1)
6 Chloroethane	64	2.221	2.221	(0.342)	41133	50.0000	39.0	9358
7 Trichlorofluoromethane	101	2.348	2.348	(0.361)	129285	50.0000	53.8	9756
11 1,1-Dichloroethene +	96	2.861	2.861	(0.440)	102001	50.0000	56.6	9797
14 Carbon Disulfide	76	2.881	2.881	(0.443)	456336	50.0000	51.9	9781
9 1,1,2Trichlotrifluoroethane	101	2.908	2.908	(0.447)	133112	50.0000	57.4	9501
13 Methyl Iodide	142	3.008	3.008	(0.463)	105233	50.0000	63.2	9423
10 Acrolein	56	3.248	3.248	(0.500)	134773	250.000	262	9805
18 Methylene Chloride	49	3.521	3.521	(0.542)	141263	50.0000	47.9	9771
12 Acetone	43	3.621	3.621	(0.557)	147345	50.0000	73.9	9382

168711

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.721	3.721	(0.572)	134824	50.0000	55.7	9763
	16 Methyl Acetate	43	3.781	3.781	(0.582)	164486	50.0000	56.1	0(M1)
	23 Hexane	57	3.834	3.834	(0.590)	159537	50.0000	53.5	9473(M1)
	20 MTBE	73	3.901	3.901	(0.600)	371400	50.0000	54.3	9801
	26 1,1-Dichloroethane ++	63	4.534	4.534	(0.698)	192113	50.0000	54.1	9812
	22 Acrylonitrile	53	4.621	4.621	(0.711)	473392	250.000	249	9819
	27 Vinyl Acetate	43	4.887	4.887	(0.752)	225791	50.0000	53.3	
	30 cis-1,2-Dichloroethene	61	5.181	5.181	(0.797)	160774	50.0000	55.1	9700
	29 2,2-Dichloropropane	77	5.294	5.294	(0.814)	151196	50.0000	61.5	9802
	39 Cyclohexane	56	5.387	5.387	(0.829)	207285	50.0000	55.6	9858
	34 Bromochloromethane	128	5.401	5.401	(0.831)	73131	50.0000	56.8	9775
	38 Chloroform +	83	5.494	5.494	(0.845)	243617	50.0000	50.7	9881
	42 Carbon Tetrachloride	117	5.620	5.620	(0.865)	126208	50.0000	56.4	9722
$	41 Dibromofluoromethane	111	5.687	5.687	(0.875)	135145	50.0000	59.7	9596
	40 1,1,1-Trichloroethane	97	5.694	5.694	(0.876)	151655	50.0000	58.5	9696
	43 1,1-Dichloropropene	75	5.827	5.827	(0.896)	186757	50.0000	55.7	9669
	31 2-Butanone	43	5.840	5.840	(0.898)	242097	50.0000	54.0	
	46 Benzene	78	6.080	6.080	(0.935)	602089	50.0000	53.6	9919
$	47 1,2-Dichloroethane-d4	67	6.227	6.227	(0.958)	69858	50.0000	57.9	9756
	48 1,2-Dichloroethane	62	6.294	6.294	(0.968)	151480	50.0000	54.2	9733
*	49 FLUOROBENZENE	96	6.500	6.500	(1.000)	548256	50.0000		9610
	52 Methyl cyclohexane	83	6.647	6.647	(1.023)	260821	50.0000	56.2	9018
	50 Trichloroethene	130	6.660	6.660	(1.025)	193587	50.0000	54.9	9247
	58 Dibromomethane	93	7.060	7.060	(1.086)	98459	50.0000	54.9	9622
	54 1,2-Dichloropropane +	63	7.153	7.153	(1.100)	145285	50.0000	54.7	9821
	61 Bromodichloromethane	83	7.213	7.213	(1.110)	195940	50.0000	53.1	9787
	64 1-Bromo-2-chloroethane	63	7.647	7.647	(1.176)	275469	50.0000	53.2	9817
	65 cis-1,3-Dichloropropene	75	7.787	7.787	(1.198)	267143	50.0000	55.1	
$	67 Toluene-d8	98	7.953	7.953	(0.856)	487411	50.0000	59.3	9762
	68 Toluene +	91	7.993	7.993	(0.860)	620664	50.0000	53.3	9898
	66 4-methyl-2-pentanone	43	8.333	8.333	(1.282)	342877	50.0000	54.2	
	78 Tetrachloroethene	164	8.333	8.333	(0.897)	139593	50.0000	55.4	9809
	71 trans-1,3-Dichloropropene	75	8.360	8.360	(0.900)	243014	50.0000	54.7	
	76 1,1,2-Trichloroethane	97	8.500	8.500	(0.915)	158343	50.0000	54.2	9792
	81 Dibromochloromethane	129	8.653	8.653	(0.931)	174759	50.0000	53.5	9697
	79 1,3-Dichloropropane	76	8.733	8.733	(0.940)	281849	50.0000	52.7	9888
	83 1,2-Dibromoethane(EDB)	107	8.860	8.860	(0.953)	164620	50.0000	53.1	9714
	80 2-Hexanone	43	9.046	9.046	(0.973)	309535	50.0000	53.0	9869
	84 1-Chlorohexane	91	9.280	9.280	(1.428)	243546	50.0000	58.1	3693(M2)
*	85 Chlorobenzene-d5	82	9.293	9.293	(1.000)	243385	50.0000		6558
	86 Chlorobenzene ++	112	9.306	9.306	(1.001)	390811	50.0000	53.8	8844
	87 Ethylbenzene +	106	9.326	9.326	(1.004)	199656	50.0000	55.0	9831
	89 1,1,1,2-Tetrachloroethane	133	9.360	9.360	(1.007)	145110	50.0000	55.0	9813
M	75 Total 1,2-Dichloroethene	61				295598	100.000	111	0
	90 p,m-Xylene	106	9.446	9.446	(1.016)	501052	100.000	108	9875
M	77 1-3 Dichloropropene-Total	100				510157	100.000	110	0
	91 o-Xylene	106	9.813	9.813	(1.056)	246755	50.0000	54.6	

168712

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
92	Styrene	104	9.860	9.860	(1.061)	438577	50.0000	54.4	9753
95	Bromoform ++	173	9.886	9.886	(1.064)	144927	50.0000	55.2	9238
96	Isopropylbenzene	105	10.079	10.079	(1.085)	638088	50.0000	54.5	9818
$ 98	Bromofluorobenzene	174	10.326	10.326	(1.111)	171057	50.0000	53.8	9679
102	Bromobenzene	77	10.419	10.419	(0.923)	325557	50.0000	53.0	9735
103	n-Propylbenzene	91	10.433	10.433	(0.924)	850454	50.0000	54.1	9822
101	1,1,2,2-Tetrachloroethane++	83	10.486	10.486	(0.929)	251488	50.0000	53.5	9846
105	2-Chlorotoluene	91	10.573	10.573	(0.936)	519214	50.0000	53.2	9547
107	1,3,5-Trimethylbenzene	105	10.593	10.593	(0.938)	535554	50.0000	54.5	
104	1,2,3-Trichloropropane	75	10.613	10.613	(0.940)	314525	50.0000	54.1	9751
106	trans-1,4-Dichloro-2-Butene	53	10.639	10.639	(0.942)	33901	50.0000	54.7	9746
108	4-Chlorotoluene	91	10.713	10.713	(0.949)	496172	50.0000	54.0	9812
109	tert-butylbenzene	91	10.866	10.866	(0.962)	300201	50.0000	54.0	9816
110	1,2,4-Trimethylbenzene	105	10.926	10.926	(0.968)	532363	50.0000	53.7	
112	sec-Butylbenzene	105	11.019	11.019	(0.976)	721604	50.0000	54.3	
113	p-Isopropyltoluene	119	11.139	11.139	(0.986)	581511	50.0000	54.4	9747
114	1,3-Dichlorobenzene	146	11.226	11.226	(0.994)	373329	50.0000	53.2	
* 115	1,4-DICHLOROBENZENE-D4	152	11.293	11.293	(1.000)	242559	50.0000		7437
117	1,4-Dichlorobenzene	146	11.306	11.306	(1.001)	386599	50.0000	52.5	
119	n-Butylbenzene	91	11.526	11.526	(1.021)	619632	50.0000	55.0	9886
120	1,2-Dichlorobenzene	146	11.706	11.706	(1.037)	359990	50.0000	53.2	
121	1,2-Dibromo-3-Chloropropane	157	12.566	12.566	(1.113)	93988	50.0000	57.8	9554
124	Hexachlorobutadiene	225	13.359	13.359	(1.183)	102478	50.0000	57.1	9490
123	1,2,4-Trichlorobenzene	180	13.405	13.405	(1.187)	233437	50.0000	55.9	
125	Napthalene	128	13.765	13.765	(1.219)	717009	50.0000	51.4	9862
126	1,2,3-Trichlorobenzene	180	13.965	13.965	(1.237)	227607	50.0000	54.5	
M 127	TOTAL XYLENE	106				747807	150.000	163	0

QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.
M2- Compound response manually integrated because
Target system integrated incorrectly.

168713

Data File: /var/chem/msv0.i/2071231.b/x1935.d

Page 1

Date : 31-DEC-2007 10:47

Client ID: V7STD050

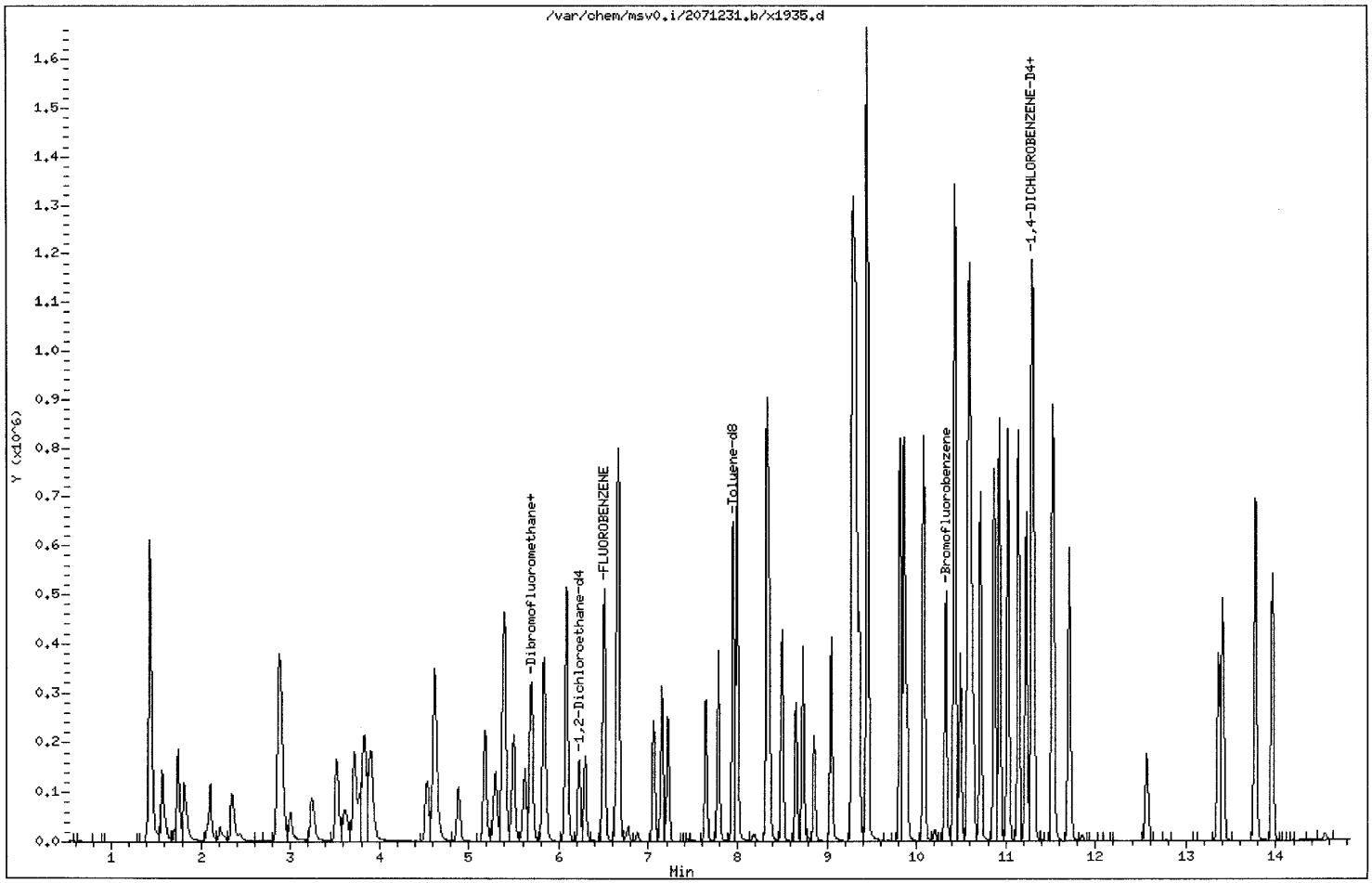
Instrument: msv0.i

Sample Info: 1400*V7STD050

Operator: KCB

Column phase: DB-624-30M

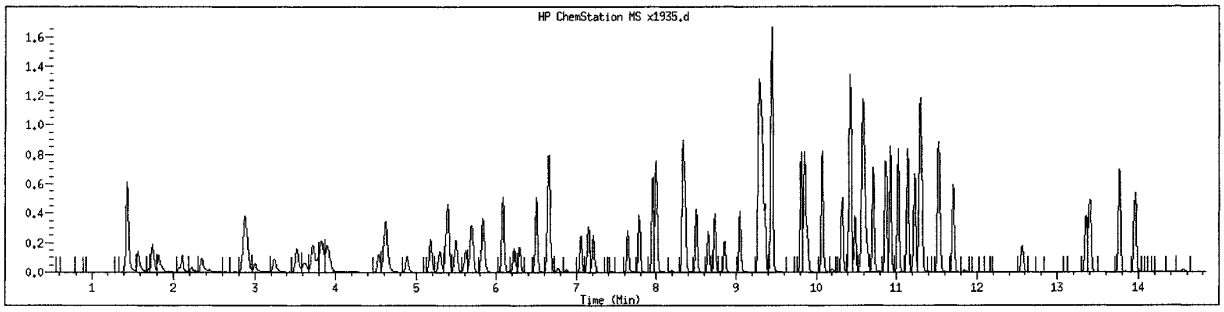
Column diameter: 0.53



Data file : /var/chem/msv0.i/2071231.b/x1935.d Page: 1
Report Date: 12/31/2007 13:34

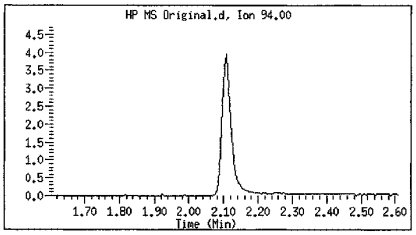
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1400 SampleType : CCALIB_3
Injection Date: 12/31/2007 10:47 Instrument : msv0.i
Operator : KCB
Sample Info : 1400*V7STD050
Misc Info : MSV~12197~*1*AJV
Method : /var/chem/msv0.i/2071231.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



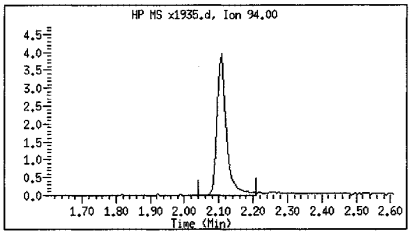
Original Final

5 Bromomethane CAS#: 74-83-9 Reason: M1

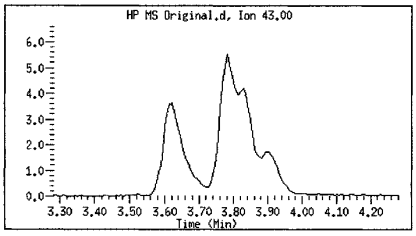


Electronic Signature
Applied

User: kcb
Date: 12/31/2007 10:34



16 Methyl Acetate CAS#: 79-20-9 Reason: M1



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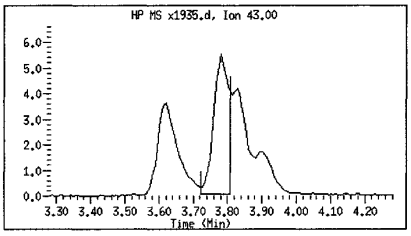
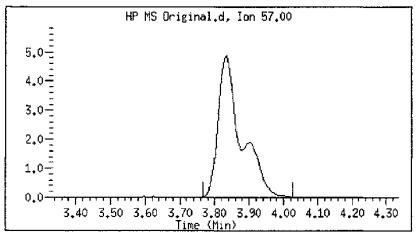


168715

Original Final

23 Hexane CAS#: 110-54-3 Reason: M1



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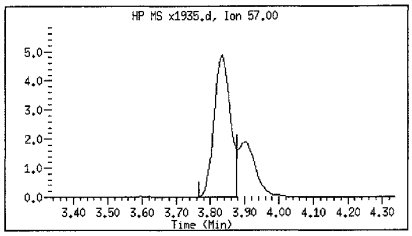
User: kcb
Date: 12/31/2007 10:35



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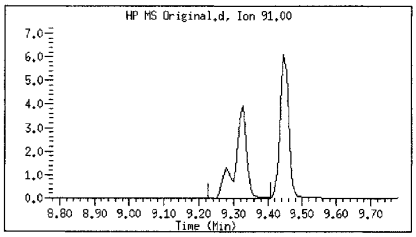
84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



Electronic Signature
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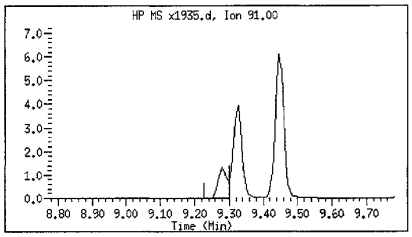
User: kcb
Date: 12/31/2007 10:35



M1 - Target system integrated incorrectly
M2 - Target system integrated incorrectly

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i Injection Date: 31-DEC-2007 11:25
Lab File ID: x1936.d Init. Cal. Date(s): 11-DEC-2007 30-DEC-2007
Analysis Type: SOIL Init. Cal. Times: 14:56 13:52
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv0.i/2071231.b/8260Bs0.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
3 1,3 Butadiene	45.36532	50.00000	0.12074	0.100	-9.26935	0.000e+00	Linear	<-
8 Ethyl Ether	266	250	0.12866	0.010	6.37377	0.000e+00	Quadratic	<-
15 Allyl Chloride	43.64757	50.00000	0.11724	0.010	-12.70485	0.000e+00	Linear	<-
17 Acetonitrile	248	250	0.05774	0.010	-0.75350	0.000e+00	Linear	<-
19 tert-butyl alcohol	0.11020	0.10135	0.10135	0.005	-8.03026	40.00000	Averaged	
25 Isopropyl Ether	0.93692	0.82959	0.82959	0.100	-11.45512	40.00000	Averaged	
28 Chloroprene	0.26334	0.25684	0.25684	0.010	-2.46578	40.00000	Averaged	
32 Ethyl Acetate	0.65209	0.53213	0.53213	0.100	-18.39608	40.00000	Averaged	
33 Proprionitrile	0.10382	0.08232	0.08232	0.010	-20.70908	40.00000	Averaged	
35 2-Butanol	63.88076	100	0.06235	0.001	-36.11924	0.000e+00	Quadratic	<-
36 Tetrahydrofuran	0.28537	0.21580	0.21580	0.100	-24.37800	40.00000	Averaged	
37 Methylacrylonitrile	42.94071	50.00000	0.27483	0.100	-14.11857	0.000e+00	Linear	<-
45 Isobutyl Alcohol	180	250	0.05532	0.001	-28.07414	0.000e+00	Quadratic	<-
44 2-2-4 trimethyl Pentane	0.71784	0.91834	0.91834	0.100	27.93087	40.00000	Averaged	
51 N-Butyl Alcohol	0.05971	0.04066	0.04066	0.001	-31.90498	40.00000	Averaged	
56 2,3-Dichloro-1-propene	0.50531	0.49363	0.49363	0.100	-2.31087	40.00000	Averaged	
57 Methyl Methacrylate	0.37662	0.32894	0.32894	0.100	-12.65988	40.00000	Averaged	
59 1,4-Dioxane	0.00881	0.00608	0.00608	0.001	-30.95159	40.00000	Averaged	
63 1-Nitropropane	47.02679	50.00000	0.10480	0.001	-5.94641	0.000e+00	Linear	<-
73 Ethyl Methacrylate	0.79477	0.74237	0.74237	0.100	-6.59256	40.00000	Averaged	
74 2-Nitroprpoane	73.97102	50.00000	0.15087	0.001	47.94205	0.000e+00	Linear	<-
97 1-5 Cyclooctadiene	0.42421	++++	0.00000	0.100	++++	40.00000	Averaged	<-
100 Cyclohexanone	1.13812	1.14675	1.14675	0.100	0.75783	40.00000	Averaged	
111 Pentachloroethane	++++	0.28073	0.28073	0.050	++++	40.00000	Averaged	<-
122 Benzal chloride	++++	++++	0.00000	0.005	++++	40.00000	Averaged	<-

168717

GCAL, Inc.

Data file : /var/chem/msv0.i/2071231.b/x1936.d
Lab Smp Id: 1400 Client Smp ID: V7APP9050
Inj Date : 31-DEC-2007 11:25
Operator : AJV Inst ID: msv0.i
Smp Info : 1400*V7APP9050
Misc Info : MSV~12197~*1*AJV
Comment :
Method : /var/chem/msv0.i/2071231.b/8260Bs0.m
Meth Date : 31-Dec-2007 13:32 kcb Quant Type: ISTD
Cal Date : 12-DEC-2007 05:17 Cal File: x1341.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
3 1,3 Butadiene	39	1.828	1.828	(0.281)	65677	50.0000	45.4	9653
8 Ethyl Ether	59	2.668	2.668	(0.410)	349921	250.000	266	9416
15 Allyl Chloride	39	3.387	3.387	(0.521)	63776	50.0000	43.6	9052
17 Acetonitrile	41	4.227	4.227	(0.650)	157029	250.000	248	9650
19 tert-butyl alcohol	59	4.121	4.121	(0.634)	55131	50.0000	46.0	7899
25 Isopropyl Ether	45	4.434	4.434	(0.682)	451268	50.0000	44.3	9454
28 Chloroprene	53	4.500	4.500	(0.692)	139714	50.0000	48.8	9016
32 Ethyl Acetate	43	5.660	5.660	(0.871)	1447298	250.000	204	8989
33 Proprionitrile	54	6.133	6.133	(0.944)	223890	250.000	198	9243
35 2-Butanol	45	5.760	5.760	(0.886)	67827	100.000	63.9	7360
36 Tetrahydrofuran	42	5.674	5.674	(0.873)	586935	250.000	189	7902
37 Methylacrylonitrile	41	6.147	6.147	(0.946)	149498	50.0000	42.9	3517
45 Isobutyl Alcohol	43	6.387	6.387	(0.983)	150460	250.000	180	9471

168718

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
44	2-2-4 trimethyl Pentane	57	5.947	5.947	(0.915)	499544	50.0000	64.0	9354
* 49	FLUOROBENZENE	96	6.500	6.500	(1.000)	543963	50.0000		9613
51	N-Butyl Alcohol	56	7.040	7.040	(1.083)	110581	250.000	170	9374
56	2,3-Dichloro-1-propene	75	7.140	7.140	(1.098)	268516	50.0000	48.8	8774
57	Methyl Methacrylate	69	7.380	7.380	(1.135)	178932	50.0000	43.7	8853
59	1,4-Dioxane	58	7.420	7.420	(1.141)	82739	1250.00	863	8949
63	1-Nitropropane	43	8.200	8.200	(1.261)	57005	50.0000	47.0	9652
73	Ethyl Methacrylate	41	8.500	8.500	(0.915)	177949	50.0000	46.7	8905
74	2-Nitroprpoane	43	8.839	8.839	(0.951)	36164	50.0000	74.0	9574
* 85	Chlorobenzene-d5	82	9.293	9.293	(1.000)	239703	50.0000		2195
100	Cyclohexanone	55	10.666	10.666	(0.945)	275450	50.0000	50.4	9176
111	Pentachloroethane	167	10.899	10.899	(0.965)	67431	50.0000		9067(a)
* 115	1,4-DICHLOROBENZENE-D4	152	11.292	11.292	(1.000)	240201	50.0000		4144

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

168719

Data File: /var/chem/msv0.i/2071231.b/x1936.d

Page 1

Date : 31-DEC-2007 11:25

Client ID: V7APP9050

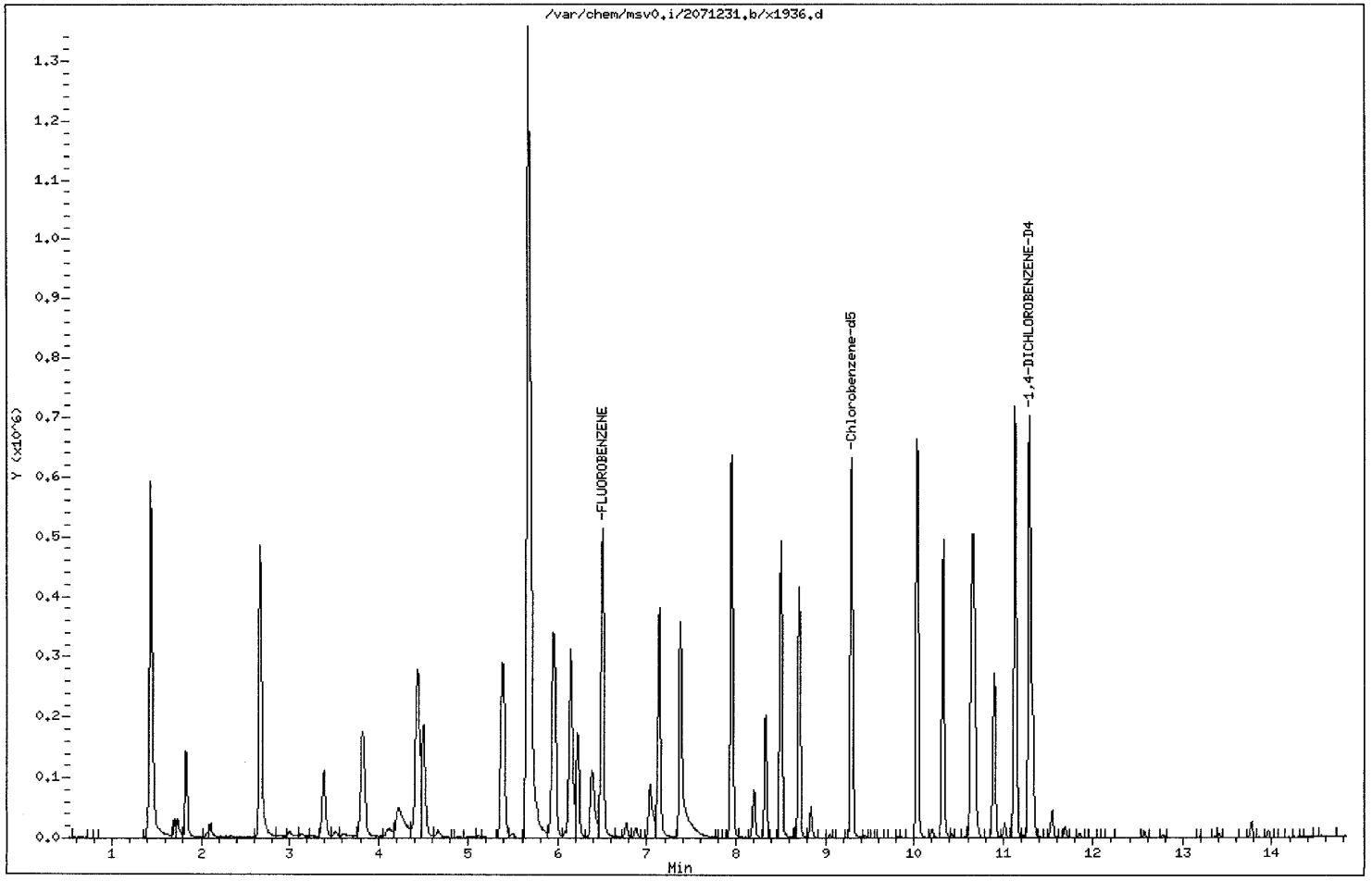
Instrument: msv0.i

Sample Info: 1400*V7APP9050

Operator: AJV

Column phase: DB-624-30M

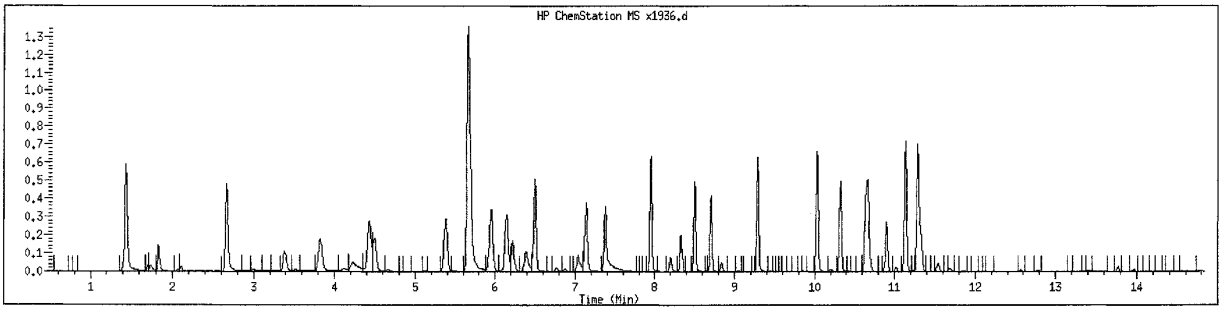
Column diameter: 0.53



Data file : /var/chem/msv0.i/2071231.b/x1936.d Page: 1
Report Date: 12/31/2007 13:32

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 12/31/2007 11:25	Instrument	: msv0.i
Operator	: AJV		
Sample Info	: 1400*V7APP9050		
Misc Info	: MSV~12197~*1*AJV		
Method	: /var/chem/msv0.i/2071231.b/8260Bs0.m		
Dilution	: 1.00		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: APP9



NO MANUAL INTEGRATIONS

168721

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Calibration File Names:
Level 1: /var/chem/msv7.i/2071228p.s.b/c9274.d
Level 2: /var/chem/msv7.i/2071228p.s.b/c9276.d
Level 3: /var/chem/msv7.i/2071228p.s.b/c9277.d
Level 4: /var/chem/msv7.i/2071228p.s.b/c9278.d
Level 5: /var/chem/msv7.i/2071222p.s.b/c9122.d
Level 6: /var/chem/msv7.i/2071228p.s.b/c9275.d
Level 7: /var/chem/msv7.i/2071228p.s.b/c9272.d
Level 8: /var/chem/msv7.i/2071228p.s.b/c9273.d
Level 10: /var/chem/msv7.i/2071228p.s.b/c9271.d

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
1 Dichlorodifluoromethane	0.58026	0.57128	0.55618	0.47795	+++++	0.56110						
	0.66878	0.48256	+++++				AVRG		0.55687		11.60270	<-
2 Chloromethane ++	0.30663	0.26198	0.25613	0.25951	+++++	0.28872						
	+++++	0.35485	+++++				AVRG		0.28797		13.28745	<-
3 Vinyl Chloride +	0.32702	0.32181	0.32291	0.29926	+++++	0.32437						
	+++++	0.36306	+++++				AVRG		0.32640		6.30580	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
4 2-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
5 1-3 Butadiene	42404	278388	514174	1099774	2083226	125328						
	+++++	+++++	+++++				LINR	-0.06238	0.15771		0.99740	
6 Bromomethane	95195	301938	771299	1606163	+++++	164429						
	15620	25126	17300				LINR	-0.01813	0.24881		0.99977	<-
7 Chloroethane	0.22847	0.20614	0.20941	0.21061	+++++	0.20761						
	+++++	0.27835	+++++				AVRG		0.22343		12.58294	<-
8 Trichlorofluoromethane	0.73602	0.68272	0.67621	0.61431	+++++	0.73484						
	0.82614	0.68535	0.94395				AVRG		0.73744		14.04953	<-
9 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
10 1,1-Dichloroethene +	0.28766	0.25436	0.26293	0.24794	+++++	0.26941						
	+++++	0.29145	+++++				AVRG		0.26896		6.54083	<-

168723

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
11 Carbon Disulfide	0.80167	0.71865	0.75220	0.70061	+++++	0.74533						
	+++++	0.88035	+++++				AVRG		0.76647		8.55200	<-
12 1,1,2Trichlotrifluoroethane	0.37144	0.36717	0.37421	0.34466	+++++	0.37755						
	0.41772	0.32718	+++++				AVRG		0.36856		7.69215	<-
13 Methyl Iodide	0.36684	0.43053	0.50321	0.49560	+++++	0.39913						
	+++++	0.46883	+++++				AVRG		0.44402		12.30806	<-
14 Acrolein	0.02499	0.02196	0.02254	0.02279	+++++	0.02183						
	+++++	0.02530	+++++				AVRG		0.02323		6.55420	<-
15 Allyl chloride	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
16 Methylene Chloride	0.33320	0.27723	0.28418	0.29404	+++++	0.29628						
	+++++	0.32570	+++++				AVRG		0.30177		7.50150	<-
17 Acetone	83485	166011	358410	672500	+++++	115613						
	67519	65935	68962				LINR	-0.22745	0.09446		0.99863	<-

168724

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	 m1	 m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
18 trans-1,2-Dichloroethene	0.39661	0.34656	0.35292	0.36174	+++++	0.39417						
	0.43471	0.40782	+++++				AVRG		0.38493		8.38996	<-
19 Methyl Acetate	57973	189360	466044	1027855	+++++	86317						
	+++++	11833	+++++				LINR	0.00418	0.15978		0.99854	<-
20 Hexane	0.42432	0.36254	0.39482	0.39483	+++++	0.40601						
	0.52966	0.36752	+++++				AVRG		0.41139		13.69469	<-
21 MTBE	0.95348	0.87142	0.88785	0.89475	+++++	0.93496						
	1.11647	0.89790	1.11577				AVRG		0.95908		10.46963	<-
22 tert-Butyl Alcohol	0.03356	0.03637	0.02790	0.02680	0.02577	0.03299						
	+++++	+++++	+++++				AVRG		0.03057		14.09277	<-
23 Acetonitrile	0.02998	0.03199	0.02465	0.02405	0.02437	0.02998						
	+++++	+++++	+++++				AVRG		0.02751		12.83390	<-
24 Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

168725

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
25 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
26 1,1-Dichloroethane ++	0.56242	0.51353	0.50643	0.47968	+++++	0.53288						
	0.56413	0.57348	+++++				AVRG		0.53322		6.58678	<-
27 Acrylonitrile	0.07923	0.07791	0.08048	0.07783	+++++	0.07536						
	+++++	0.09059	+++++				AVRG		0.08023		6.67265	<-
28 Vinyl Acetate	11355	68944	294771	838544	+++++	24735						
	+++++	3164	+++++				QUAD	0.07143	11.53362	-16.02315	0.99601	<-
29 cis-1,2-Dichloroethene	0.41172	0.37612	0.38255	0.36845	+++++	0.38145						
	0.40833	0.43974	+++++				AVRG		0.39548		6.41119	<-
30 2,2-Dichloropropane	0.54016	0.51765	0.53942	0.48043	+++++	0.50929						
	0.67105	0.59208	+++++				AVRG		0.55001		11.54099	<-
31 Heptane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
32 Cyclohexane	0.36101	0.41569	0.44798	0.41493	+++++	0.33655						
	0.40251	0.35528	0.46563				AVRG		0.39995		11.43075	<-
33 n-Butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
34 Bromochloromethane	0.18356	0.18994	0.19083	0.19152	+++++	0.16936						
	0.16950	0.21777	+++++				AVRG		0.18750		8.75971	<-
35 Chloroform +	192229	764539	1940669	3790688	+++++	373764						
	22193	46904	19739				LINR	-0.01488	0.59701		0.99934	<-
36 Carbon Tetrachloride	0.53682	0.52151	0.54322	0.51326	+++++	0.52808						
	0.51485	0.52716	0.55022				AVRG		0.52939		2.49451	<-
37 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
38 Tetrahydrofuran	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

168727

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
39 1,3-difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
41 1,1,1-Trichloroethane	0.62451	0.60155	0.61288	0.56755	+++++	0.61156						
	0.65406	0.59665	0.66734				AVRG		0.61701		5.16484	<-
42 sec-butanol	0.01540	0.01402	0.01088	0.01119	0.01172	0.01131						
	+++++	+++++	+++++				AVRG		0.01242		14.86308	
43 1,1-Dichloropropene	0.27950	0.34588	0.39794	0.38902	+++++	0.30406						
	0.33432	0.27219	0.38546				AVRG		0.33855		14.73762	<-
44 2-Butanone	29774	138258	360933	699795	+++++	55066						
	7463	9353	7552				LINR	-0.00858	0.11064		0.99859	<-
45 2,2,4 Trimethylpentane	121397	902412	1825391	3953644	7143818	346787						
	+++++	+++++	+++++				QUAD	0.04814	1.38762	0.19859	0.99870	
46 Benzene	294206	1292661	3289914	6114296	+++++	613265						
	35930	63204	+++++				LINR	-0.02038	0.97181		0.99714	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
47 Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
48 Methylacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
49 1,4-difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
51 1,2-Dichloroethane	0.52804	0.49043	0.50508	0.48547	+++++	0.50307						
	0.51285	0.49748	0.72383				AVRG		0.53078		14.90561	<-
52 Isobutyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
54 1,2-difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
55 Methyl Cyclohexane	115629	560488	1590878	3065344	+++++	263686						
	9377	16965	3915				LINR	0.00515	0.48903		0.99860	<-

168729

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
56 Trichloroethene	0.38462	0.40101	0.40568	0.38748	+++++	0.39887						
	0.44196	0.40026	0.49157				AVRG		0.41393		8.67271	<-
57 Dibromomethane	0.17645	0.17439	0.17044	0.16970	+++++	0.17391						
	0.20752	0.19516	+++++				AVRG		0.18108		7.99587	<-
58 2-3 Dichloro-1-Proprene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
59 1,2-Dichloropropane +	0.21277	0.23067	0.24254	0.25158	+++++	0.21786						
	0.25827	0.22309	+++++				AVRG		0.23383		7.43212	<-
60 Bromodichloromethane	0.45473	0.45259	0.46818	0.45779	+++++	0.46259						
	0.37462	0.44825	0.50793				AVRG		0.45333		8.13949	<-
61 Methyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
62 1,4- Dioxane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

168730

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
63 Methyldisulfide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
64 2-Chloroethyl vinyl ether	11645	78441	292714	704046	+++++	31068						
	+++++	1099	+++++				QUAD	0.06147	11.22556	-11.18005	0.99787	
65 1-Bromo-2-chloroethane	0.06159	0.06336	0.07204	0.07172	+++++	0.05985						
	0.06400	0.06961	+++++				AVRG		0.06602		7.58218	<-
66 3-ethyltoluene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
67 cis-1,3-Dichloropropene	95467	528794	1485052	3000169	+++++	220051						
	6579	14992	4161				LINR	0.01647	0.47665		0.99933	<-
69 Toluene +	2.40201	2.53179	2.62614	2.30860	+++++	2.60010						
	2.06821	1.79832	2.67870				AVRG		2.37674		12.94240	<-
70 1-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

168731

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
71 Tetrachloroethene	0.65189	0.65213	0.74480	0.72331	+++++	0.64035						
	0.79233	0.64887	+++++				AVRG		0.69338		8.64286	<-
72 2-ethyltoluene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
73 4-methyl-2-pentanone	37491	210694	657319	1397681	+++++	82941						
	+++++	8376	+++++				LINR	0.05079	0.22429		0.99862	<-
74 trans-1,3-Dichloropropene	98074	536921	1505580	3115572	+++++	223651						
	5810	12234	4036				LINR	0.02013	0.49356		0.99945	<-
M 75 Total 1,2-Dichloroethene	0.40417	0.36134	0.36774	0.36509	+++++	0.38781						
	0.42152	0.42378	+++++				AVRG		0.39021		6.84220	<-
76 1,1,2-Trichloroethane	0.62135	0.55814	0.59088	0.58013	+++++	0.55840						
	0.60910	0.56066	0.75766				AVRG		0.60454		10.96128	<-
77 Ethyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

	5	20	50	100	200	10		Coefficients			%RSD	
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2	
	0.4000	1	0.2000									
	Level 7	Level 8	Level 10									
78 Dibromochloromethane	0.70301	0.70928	0.78145	0.79914	+++++	0.65501						
	0.80617	0.71254	0.85397				AVRG		0.75257		8.92915	<-
79 1,3-Dichloropropane	0.79827	0.83424	0.94664	0.92180	+++++	0.80692						
	0.71102	0.69504	1.01424				AVRG		0.84102		13.40223	<-
80 1,2-Dibromoethane(EDB)	0.53374	0.54583	0.59599	0.60642	+++++	0.51245						
	0.55849	0.46861	+++++				AVRG		0.54593		8.71182	<-
81 2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
M 82 1-3 Dichloropropene total	193541	1065715	2990632	6115741	+++++	443702						
	12389	27226	8197				LINR	0.03664	0.48509		0.99942	<-
83 2-Hexanone	23450	131777	447872	934121	+++++	49679						
	1313	4466	+++++				LINR	0.04879	0.30625		0.99683	<-
85 Chlorobenzene ++	302796	1192741	2968111	5364684	+++++	611537						
	29326	62106	+++++				LINR	-0.03394	1.73953		0.99577	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
86 1-Chlorohexane	0.38545	0.38307	0.40899	0.37127	+++++	0.38042						
	0.52126	0.38264	+++++				AVRG		0.40473		13.00999	<-
87 Ethylbenzene +	1.04909	1.04482	1.13140	1.05204	+++++	1.09053						
	1.13426	0.91299	1.37396				AVRG		1.09864		11.92728	<-
88 1,1,1,2-Tetrachloroethane	0.83148	0.79853	0.85990	0.83714	+++++	0.80329						
	0.78738	0.81207	0.92358				AVRG		0.83167		5.28487	<-
89 p,m-Xylene	343745	1548976	3843354	6605016	+++++	717621						
	17202	46652	12925				QUAD	0.03269	0.61217	0.07544	0.99896	<-
90 o-Xylene	118577	686587	1909990	3704799	+++++	288475						
	7304	19004	5218				QUAD	0.02044	0.76335	0.02827	0.99900	<-
91 Styrene	242808	1200819	3131041	5624728	+++++	535320						
	10349	28837	7471				LINR	-0.00857	1.85373		0.99528	<-
92 Bromoform ++	0.58829	0.62441	0.72810	0.74858	+++++	0.58892						
	0.61021	0.54863	0.70677				AVRG		0.64299		11.56412	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
93 Isopropylbenzene	344680	1800482	4490398	7269155	+++++	803607						
	15497	45094	10454				QUAD	0.02671	0.22467	0.04169	0.99732	<-
94 2-methylnapthalene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
96 Bromobenzene	0.86415	0.94169	0.94707	0.86308	+++++	0.91338						
	0.85734	0.73924	1.05866				AVRG		0.89808		10.27352	<-
97 n-Propylbenzene	424504	2049157	4842498	7510320	+++++	998105						
	21357	54939	15536				QUAD	0.02620	0.20590	0.09698	0.99687	<-
98 1,1,2,2-Tetrachloroethane++	0.49826	0.49015	0.50312	0.48571	+++++	0.49254						
	0.54227	0.51042	+++++				AVRG		0.50321		3.79943	<-
99 2-Chlorotoluene	272096	1305218	3275203	5580380	+++++	600786						
	12107	33316	9837				QUAD	0.01884	0.44449	0.11533	0.99892	<-
100 1,2,3-Trichloropropane	0.54436	0.53874	0.51484	0.48741	+++++	0.50456						
	0.56537	0.51746	+++++				AVRG		0.52468		5.03284	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
101 trans-1,4-Dichloro-2-Butene	9061	46172	158681	364865	+++++	19181						
	+++++	1099	+++++				LINR	0.07025	0.08800		0.99650	<-
102 1,3,5-Trimethylbenzene	374140	1735335	4216539	6802921	+++++	836295						
	16578	38072	11663				QUAD	0.02240	0.28601	0.10106	0.99807	<-
103 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
104 4-Chlorotoluene	321788	1406694	3539145	5913753	+++++	679152						
	14521	36272	12616				QUAD	0.01840	0.39181	0.11233	0.99862	<-
105 tert-butylbenzene	187640	965998	2590059	4613209	+++++	446212						
	9884	21102	6551				QUAD	0.01934	0.63693	0.12347	0.99898	<-
106 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				QUAD	0.000e+00	0.000e+00	0.000e+00	0.000e+00	<-
107 1,2,4-Trimethylbenzene	376593	1742935	4146468	6587793	+++++	830835						
	12371	39979	11411				QUAD	0.02377	0.26939	0.11574	0.99779	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
108 sec-Butylbenzene	415902	1914628	4565864	7109911	+++++	913249						
	18759	48229	12532				QUAD	0.02607	0.22545	0.10588	0.99689	<-
109 Dicyclopentadiene	204493	1637395	3316114	5836528	8608722	666699						
	+++++	+++++	+++++				QUAD	0.12663	0.14848	0.16961	0.99549	
110 p-Isopropyltoluene	353258	1764336	4272968	6713726	+++++	797865						
	14223	38572	11374				QUAD	0.02810	0.25404	0.11381	0.99685	<-
111 1-4 Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
112 1-3 Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
113 1,3-Dichlorobenzene	1.60729	1.44704	1.40360	1.18735	+++++	1.54306						
	1.40868	1.36883	+++++				AVRG		1.42369		9.42363	<-
115 1,4-Dichlorobenzene	319392	1213660	2946082	5194276	+++++	623163						
	30483	64230	29799				QUAD	0.00067	0.53574	0.11350	0.99975	<-

168737

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
116 1-2 Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
117 n-Butylbenzene	1.54976	1.72544	1.67613	1.31155	+++++	1.71082						
	1.65378	1.21473	+++++				AVRG		1.54889		13.24651	<-
118 1,2-Dichlorobenzene	1.42940	1.37971	1.33202	1.13108	+++++	1.37632						
	1.53291	1.41425	+++++				AVRG		1.37081		8.96828	<-
119 1,2-Dibromo-3-Chloropropane	18369	88842	279713	610935	+++++	35852						
	1950	4237	937				LINR	0.02985	0.14487		0.99780	<-
120 Hexachlorobutadiene	74778	321656	902918	1777502	+++++	157298						
	8362	14174	+++++				LINR	-0.00462	0.42298		0.99907	<-
M 121 TOTAL XYLENE	462322	2235563	5753344	10309815	+++++	1006096						
	24506	65656	18143				QUAD	0.04594	0.85949	0.07403	0.99936	<-
122 1,2,4-Trichlorobenzene	116484	666889	1911629	3711933	+++++	272737						
	12018	20094	16074				LINR	0.00664	0.89174		0.99814	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
123 Benzal Chloride	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
124 Naphthalene	180854	1124915	3056805	5275784	+++++	446722						
	20003	28277	29721				QUAD	0.02631	0.51028	0.11118	0.99756	<-
125 1,2,3-Trichlorobenzene	0.71081	0.81899	0.84769	0.77194	+++++	0.76340						
	0.91790	0.65689	+++++				AVRG		0.78395		11.08289	<-
M 126 Total Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
$ 40 Dibromofluoromethane	0.34541	0.32618	0.33561	0.31898	+++++	0.31320						
	+++++	+++++	+++++				AVRG		0.32787		3.93105	<-
$ 50 1,2-Dichloroethane-d4	0.19880	0.18768	0.18544	0.18202	+++++	0.19479						
	+++++	+++++	+++++				AVRG		0.18975		3.63185	<-
$ 68 Toluene-d8	1.76235	1.89249	2.05841	1.88391	+++++	1.88731						
	+++++	+++++	+++++				AVRG		1.89689		5.55854	<-

168739

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
$ 95 Bromofluorobenzene	0.98698	0.99505	1.08130	1.03663	+++++	0.97913						
	+++++	1.04465	+++++				AVRG		1.02062		3.92476	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2007 12:25
End Cal Date : 28-DEC-2007 22:29
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Cal Date : 03-Jan-2008 06:55 rjo

Average %RSD Results.
Calculated Average %RSD = 9.27666
Maximun Average %RSD = 15.00000
* Passed Average %RSD Test.

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

GCAL, Inc.

Data file : /var/chem/msv7.i/2071228p.s.b/c9266.d
Lab Smp Id: 1000 Client Smp ID: V7BFB01
Inj Date : 28-DEC-2007 16:06
Operator : EGW Inst ID: msv7.i
Smp Info : 1000*V7BFB01
Misc Info : MSV~12186~*1*EGW
Comment :
Method : /var/chem/msv7.i/2071228p.s.b/bfb7.m
Meth Date : 18-Nov-2007 17:46 adi Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
11.089	11.123	(0.000)	95	967552		100.00-	100.00	91.86
11.089	11.123	(0.000)	50	170666		15.00-	40.00	17.64
11.089	11.123	(0.000)	75	545130		30.00-	60.00	56.34
11.089	11.123	(0.000)	96	70802		5.00-	9.00	7.32
11.089	11.123	(0.000)	173	8434		0.00-	2.00	0.80
11.089	11.123	(0.000)	174	1053269		50.00-	120.00	108.86
11.089	11.123	(0.000)	175	86672		5.00-	9.00	8.23
11.089	11.123	(0.000)	176	1004608		95.00-	101.00	95.38
11.089	11.123	(0.000)	177	72592		5.00-	9.00	7.23

168742

Data File: /var/chem/msv7.i/2071228p.s.b/c9266.d

Date : 28-DEC-2007 16:06

Client ID: V7BFB01

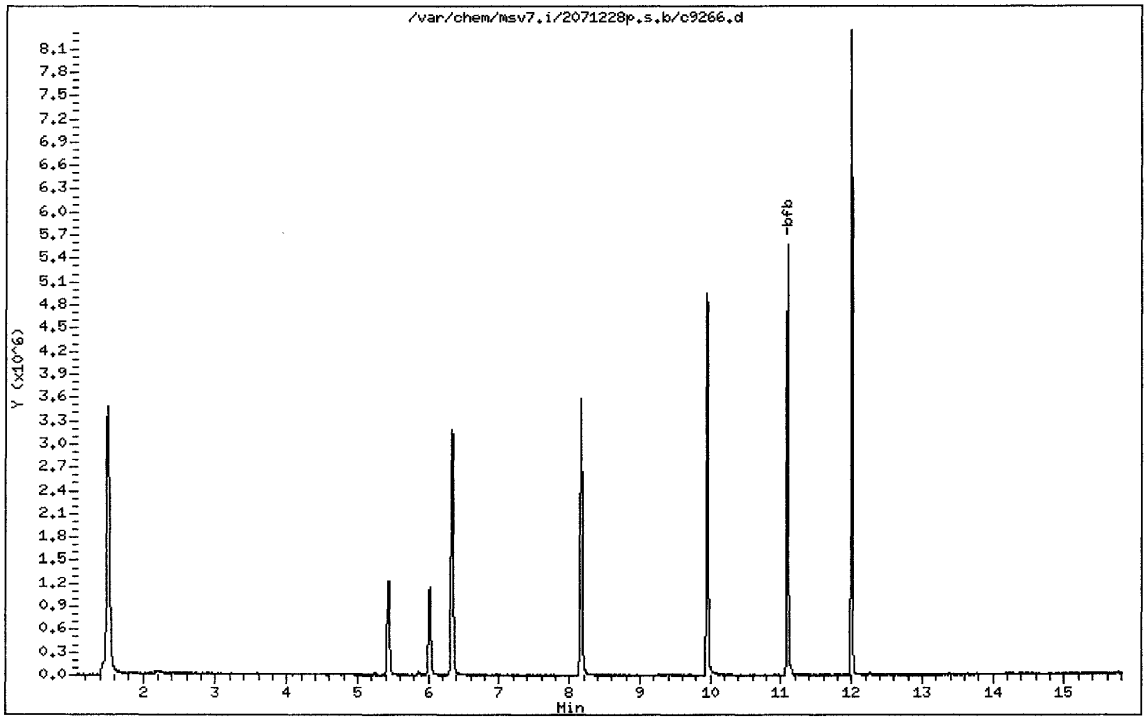
Instrument: msv7.i

Sample Info: 1000*V7BFB01

Operator: EGW

Column phase: DB-VRX-20M

Column diameter: 0.18



Data File: /var/chem/msv7.i/2071228p.s.b/c9266.d

Date : 28-DEC-2007 16:06

Client ID: V7BFB01

Instrument: msv7.i

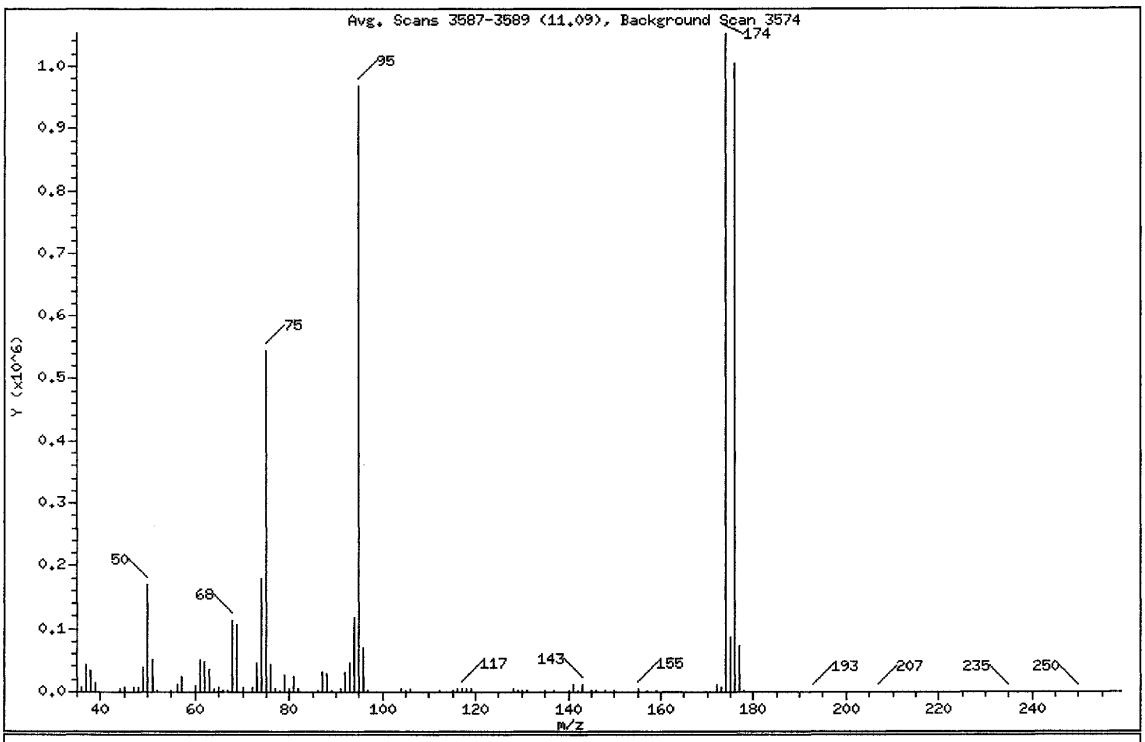
Sample Info: 1000*V7BFB01

Operator: EGW

Column phase: DB-VRX-20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.64
75	30.00 - 60.00% of mass 95	56.34
96	5.00 - 9.00% of mass 95	7.32
173	Less than 2.00% of mass 174	0.87 (0.80)
174	50.00 - 120.00% of mass 95	108.86
175	5.00 - 9.00% of mass 174	8.96 (8.23)
176	95.00 - 101.00% of mass 174	103.83 (95.38)
177	5.00 - 9.00% of mass 176	7.50 (7.23)

168744

Data File: /var/chem/msv7.i/2071228p.s.b/c9266.d

Date : 28-DEC-2007 16:06

Client ID: V7BFB01 Instrument: msv7.i

Sample Info: 1000xV7BFB01

Operator: EGW

Column phase: DB-VRX-20M Column diameter: 0.18

Data File: c9266.d
Spectrum: Avg. Scans 3587-3589 (11.09), Background Scan 3574
Location of Maximum: 174.00
Number of points: 127

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	8132	69.00	107040	110.00	1001	148.00	2893
37.00	42576	70.00	6556	111.00	821	149.00	482
38.00	34584	71.00	926	112.00	1283	150.00	1682
39.00	14915	72.00	7305	113.00	1138	152.00	644
40.00	600	73.00	46416	114.00	228	153.00	1187
42.00	225	74.00	180032	115.00	1277	154.00	712
43.00	627	75.00	545088	116.00	3994	155.00	3814
44.00	4043	76.00	44280	117.00	5888	156.00	425
45.00	6636	77.00	4730	118.00	3881	157.00	2927
46.00	956	78.00	2510	119.00	5157	158.00	432
47.00	7197	79.00	25944	120.00	231	159.00	2540
48.00	6697	80.00	5595	122.00	167	160.00	266
49.00	38704	81.00	23256	123.00	436	161.00	877
50.00	170624	82.00	4373	124.00	184	169.00	350
51.00	49936	83.00	394	126.00	192	171.00	804
52.00	3067	86.00	1376	127.00	730	172.00	11190
53.00	498	87.00	31040	128.00	4689	173.00	8434
54.00	283	88.00	29592	129.00	2483	174.00	1053184
55.00	2109	89.00	1225	130.00	3474	175.00	86672
56.00	13308	91.00	4455	131.00	1354	176.00	1004608
57.00	24944	92.00	30832	134.00	175	177.00	72592
58.00	798	93.00	45864	135.00	2035	178.00	2188
59.00	224	94.00	119104	137.00	2096	179.00	234
60.00	10194	95.00	967552	139.00	732	191.00	222
61.00	50952	96.00	70800	140.00	1888	193.00	668
62.00	47696	97.00	3017	141.00	11494	207.00	256
63.00	35656	103.00	250	142.00	1965	231.00	201
64.00	4663	104.00	4133	143.00	13079	235.00	242
65.00	7373	105.00	1750	144.00	1074	249.00	215
66.00	1907	106.00	4768	145.00	3325	250.00	236
67.00	2323	107.00	812	146.00	2414	258.00	185
68.00	113296	109.00	589	147.00	1044		

168745

GCAL, Inc.

Data file : /var/chem/msv7.i/2071228p.s.b/c9271.d
Lab Smp Id: 1205 Client Smp ID: V7STD0.20
Inj Date : 28-DEC-2007 19:48
Operator : EGW Inst ID: msv7.i
Smp Info : 1205*V7STD0.20
Misc Info : MSV~12186~*1*EGW
Comment :
Method : /var/chem/msv7.i/2071228p.s.b/8260bw7.m
Meth Date : 29-Dec-2007 10:43 egw Quant Type: ISTD
Cal Date : 28-DEC-2007 19:48 Cal File: c9271.d
Als bottle: 1 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.639	1.639	(0.259)	8791	0.20000	0.297	(a)
2 Chloromethane ++	50	1.814	1.814	(0.287)	9599	0.20000	0.627	(a)
3 Vinyl Chloride +	62	1.879	1.879	(0.297)	7742	0.20000	0.446	(a)
6 Bromomethane	94	2.169	2.169	(0.342)	17300	0.20000	0.400	(aM2)
7 Chloroethane	64	2.275	2.275	(0.359)	4424	0.20000	0.372	(a)
8 Trichlorofluoromethane	101	2.420	2.420	(0.382)	10043	0.20000	0.256	(a)
10 1,1-Dichloroethene +	96	2.924	2.924	(0.462)	4647	0.20000	0.325	(aM2)
11 Carbon Disulfide	76	2.924	2.924	(0.462)	32714	0.20000	0.802	(a)
12 1,1,2Trichlotrifluoroethane	101	2.949	2.949	(0.466)	6541	0.20000	0.334	(aM2)
13 Methyl Iodide	142	3.050	3.050	(0.482)	16821	0.20000	0.712	(a)
16 Methylene Chloride	49	3.524	3.524	(0.557)	7150	0.20000	0.445	(a)
17 Acetone	43	3.582	3.582	(0.566)	68962	0.20000	2.35	
18 trans-1,2-Dichloroethene	61	3.683	3.683	(0.582)	8457	0.20000	0.413	(aM2)
19 Methyl Acetate	43	3.716	3.716	(0.587)	7150	0.20000	1.05	1592

			QUANT SIG					AMOUNTS CAL-AMT	ON-COL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	SIMILARITY
	20	Hexane	57	3.780	3.780	(0.597)	8822	0.20000	0.403	0(aM2)
	21	MTBE	73	3.825	3.825	(0.604)	11871	0.20000	0.233	6671(a)
	26	1,1-Dichloroethane ++	63	4.352	4.352	(0.687)	8353	0.20000	0.294	(a)
	29	cis-1,2-Dichloroethene	61	4.941	4.941	(0.780)	5969	0.20000	0.284	(a)
	30	2,2-Dichloropropane	77	5.055	5.055	(0.798)	8449	0.20000	0.289	(a)
	32	Cyclohexane	56	5.141	5.141	(0.812)	4954	0.20000	0.233	6828(a)
	34	Bromochloromethane	128	5.141	5.141	(0.812)	3242	0.20000	0.325	(a)
	35	Chloroform +	83	5.239	5.239	(0.827)	19739	0.20000	0.556	(a)
	36	Carbon Tetrachloride	117	5.370	5.370	(0.848)	5854	0.20000	0.208	(aM2)
$	40	Dibromofluoromethane	111	5.437	5.437	(0.859)	9401	0.20000	0.539	8324(a)
	41	1,1,1-Trichloroethane	97	5.459	5.459	(0.862)	7100	0.20000	0.216	(a)
	43	1,1-Dichloropropene	75	5.596	5.596	(0.884)	4101	0.20000	0.228	(a)
	44	2-Butanone	43	5.587	5.587	(0.882)	7552	0.20000	0.854	(a)
	46	Benzene	78	5.864	5.864	(0.926)	33492	0.20000	0.600	(a)
$	50	1,2-Dichloroethane-d4	67	6.023	6.023	(0.951)	7950	0.20000	0.788	(a)
	51	1,2-Dichloroethane	62	6.092	6.092	(0.962)	7701	0.20000	0.273	(aM2)
*	53	FLUOROBENZENE	96	6.332	6.332	(1.000)	2659826	50.0000		
	55	Methyl Cyclohexane	83	6.508	6.508	(1.028)	3915	0.20000	0.408	6550(a)
	56	Trichloroethene	130	6.522	6.522	(1.030)	5230	0.20000	0.238	(aM2)
	57	Dibromomethane	93	6.996	6.996	(1.105)	3862	0.20000	0.401	(a)
	59	1,2-Dichloropropane +	63	7.110	7.110	(1.123)	1465	0.20000	0.118	(a)
	60	Bromodichloromethane	83	7.185	7.185	(1.135)	5404	0.20000	0.224	(a)
	67	cis-1,3-Dichloropropene	75	7.949	7.949	(1.255)	4161	0.20000	0.988	(a)
$	68	Toluene-d8	98	8.167	8.167	(0.820)	21124	0.20000	0.434	(a)
	69	Toluene +	91	8.220	8.220	(0.826)	13739	0.20000	0.225	(aM2)
	71	Tetrachloroethene	164	8.686	8.686	(0.873)	5184	0.20000	0.292	(a)
	73	4-methyl-2-pentanone	43	8.711	8.711	(1.376)	909	0.20000	2.62	(M2)
	74	trans-1,3-Dichloropropene	75	8.747	8.747	(1.381)	4036	0.20000	1.16	
M	75	Total 1,2-Dichloroethene	61				14426	0.40000	0.697	(a)
	76	1,1,2-Trichloroethane	97	8.945	8.945	(0.899)	3886	0.20000	0.251	(a)
	78	Dibromochloromethane	129	9.129	9.129	(0.917)	4380	0.20000	0.227	(a)
	79	1,3-Dichloropropane	76	9.257	9.257	(0.930)	5202	0.20000	0.241	(a)
	80	1,2-Dibromoethane(EDB)	107	9.391	9.391	(0.943)	4772	0.20000	0.341	(a)
M	82	1-3 Dichloropropene total	100				8197	0.40000	2.15	0
*	84	CHLOROBENZENE-d5	82	9.954	9.954	(1.000)	1282245	50.0000		
	85	Chlorobenzene ++	112	9.966	9.966	(1.001)	21462	0.20000	0.404	(a)
	86	1-Chlorohexane	91	9.980	9.980	(1.576)	9596	0.20000	0.446	6797(a)
	87	Ethylbenzene +	106	10.019	10.019	(1.006)	7047	0.20000	0.250	(a)
	88	1,1,1,2-Tetrachloroethane	133	10.035	10.035	(1.008)	4737	0.20000	0.222	(aM2)
	89	p,m-Xylene	106	10.166	10.166	(1.021)	12925	0.40000	1.94	(M2)
	90	o-Xylene	106	10.557	10.557	(1.060)	5218	0.20000	1.18	
	92	Bromoform ++	173	10.621	10.621	(1.067)	3625	0.20000	0.220	(a)
	93	Isopropylbenzene	105	10.858	10.858	(1.091)	10454	0.20000	1.43	
$	95	Bromofluorobenzene	174	11.092	11.092	(1.114)	23300	0.20000	0.890	(a)
	96	Bromobenzene	77	11.173	11.173	(0.931)	6473	0.20000	0.236	(aM2)
	97	n-Propylbenzene	91	11.215	11.215	(0.935)	15536	0.20000	1.42	
	98	1,1,2,2-Tetrachloroethane++	83	11.276	11.276	(0.940)	5221	0.20000	0.339	(aM2)

168747

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
99	2-Chlorotoluene	91	11.335	11.335	(0.945)	9837	0.20000	1.09	(M2)
100	1,2,3-Trichloropropane	75	11.382	11.382	(0.949)	6247	0.20000	0.389	(a)
102	1,3,5-Trimethylbenzene	105	11.382	11.382	(0.949)	11663	0.20000	1.23	
104	4-Chlorotoluene	91	11.472	11.472	(0.956)	12616	0.20000	1.08	
105	tert-butylbenzene	91	11.636	11.636	(0.970)	6551	0.20000	1.10	(M2)
107	1,2,4-Trimethylbenzene	105	11.695	11.695	(0.975)	11411	0.20000	1.29	
108	sec-Butylbenzene	105	11.778	11.778	(0.982)	12532	0.20000	1.40	
110	p-Isopropyltoluene	119	11.898	11.898	(0.992)	11374	0.20000	1.50	
113	1,3-Dichlorobenzene	146	11.946	11.946	(0.996)	14546	0.20000	0.334	(a)
* 114	1,4-DICHLOROBENZENE-D4	152	11.999	11.999	(1.000)	1528586	50.0000		
115	1,4-Dichlorobenzene	146	12.012	12.012	(1.001)	29799	0.20000	0.558	(a)
117	n-Butylbenzene	91	12.222	12.222	(1.019)	16374	0.20000	0.346	(a)
118	1,2-Dichlorobenzene	146	12.330	12.330	(1.028)	16632	0.20000	0.397	(a)
119	1,2-Dibromo-3-Chloropropane	157	12.933	12.933	(1.078)	937	0.20000	1.70	(M2)
120	Hexachlorobutadiene	225	13.387	13.387	(1.116)	10133	0.20000	0.776	(a)
M 121	TOTAL XYLENE	106				18143	0.60000	3.12	
122	1,2,4-Trichlorobenzene	180	13.407	13.407	(1.117)	16074	0.20000	0.922	(a)
124	Naphthalene	128	13.638	13.638	(1.137)	29721	0.20000	1.81	
125	1,2,3-Trichlorobenzene	180	13.769	13.769	(1.148)	17754	0.20000	0.741	(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M2- Compound response manually integrated because
Target system integrated incorrectly.

168748

Data File: /var/chem/msv7.i/2071228p.s.b/c9271.d

Page 1

Date : 28-DEC-2007 19:48

Client ID: W7STD0.20

Instrument: msv7.i

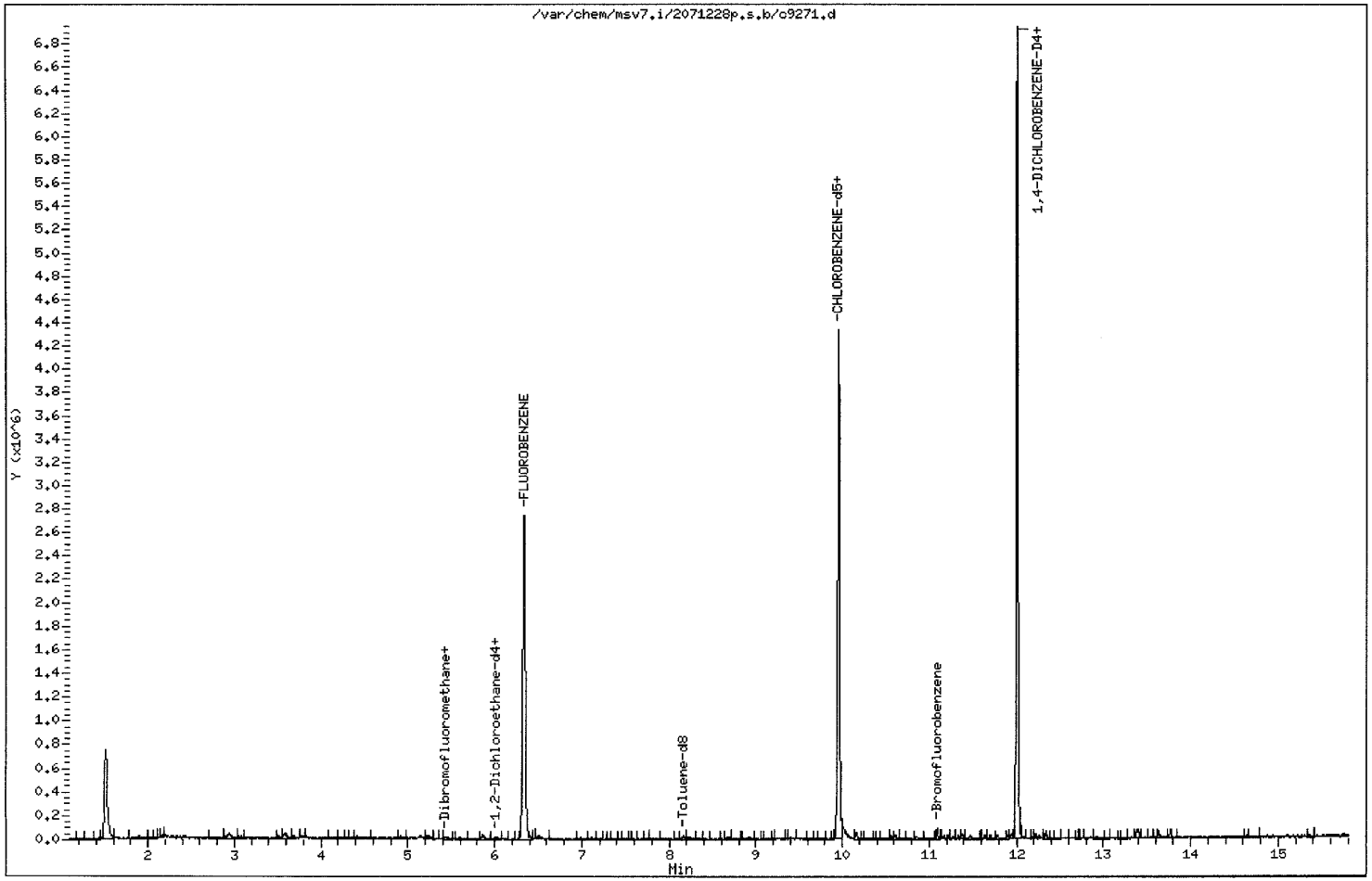
Sample Info: 1205%W7STD0.20

Purge Volume: 5.0

Operator: ECW

Column phase: DB-VRX-20M

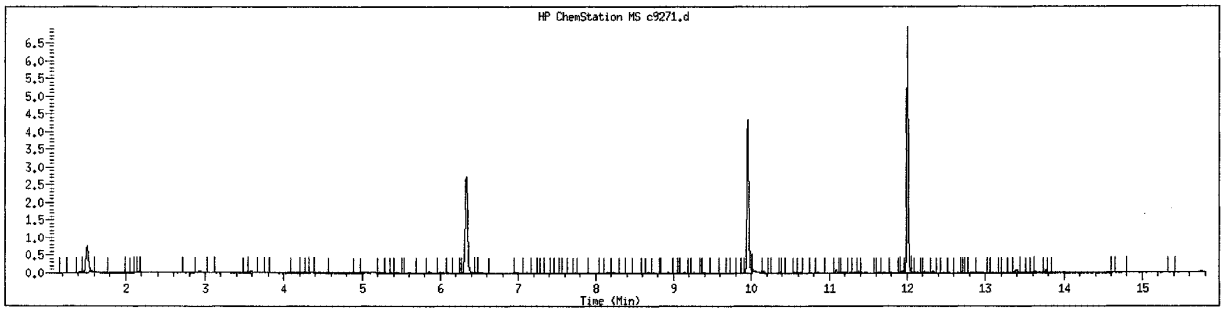
Column diameter: 0.18



Data file : /var/chem/msv7.i/2071228p.s.b/c9271.d Page: 1
Report Date: 12/29/2007 10:43

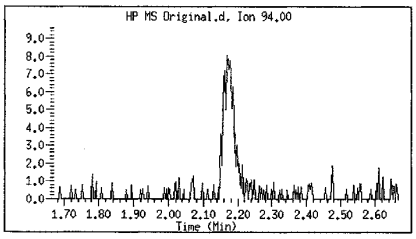
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1205 SampleType : CALIB_10
Injection Date: 12/28/2007 19:48 Instrument : msv7.i
Operator : EGW
Sample Info : 1205*V7STD0.20
Misc Info : MSV~12186~*1*EGW
Method : /var/chem/msv7.i/2071228p.s.b/8260bw7.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260b



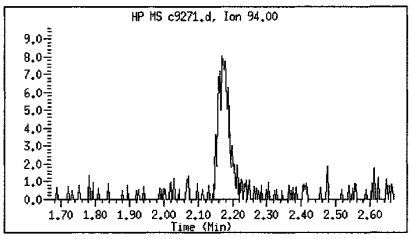
Original Final

6 Bromomethane CAS#: 74-83-9 Reason: M2

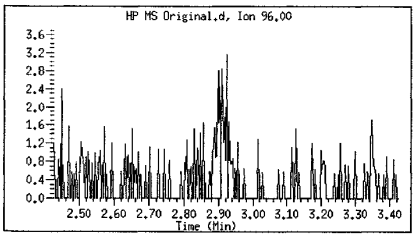


Electronic Signature
Applied

User: egw
Date: 12/29/2007 09:14



10 1,1-Dichloroethene + CAS#: 75-35-4 Reason: M2



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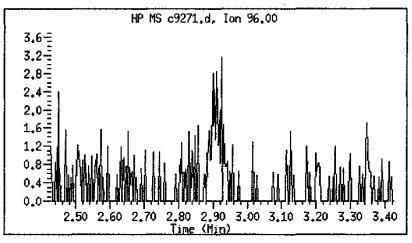
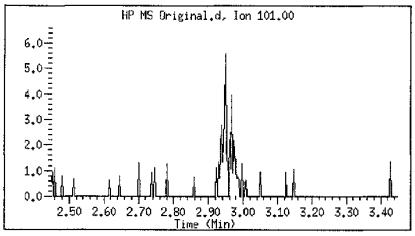


168750

Original Final

12 1,1,2Trichlotrifluoroethane CAS#: 76-13-1 Reason: M2



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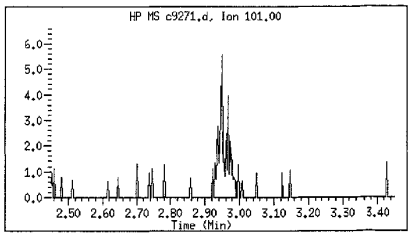
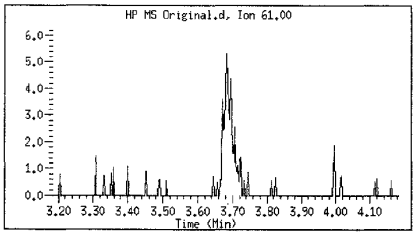
Date: 12/29/2007 09:14



18 trans-1,2-Dichloroethene CAS#: 156-60-5 Reason: M2



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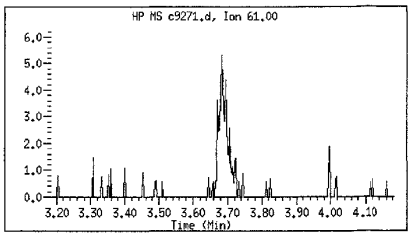
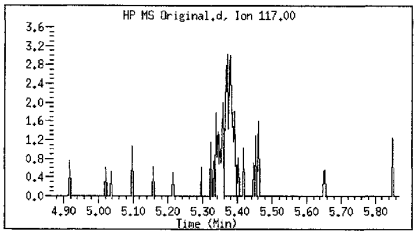


36 Carbon Tetrachloride CAS#: 56-23-5 Reason: M2



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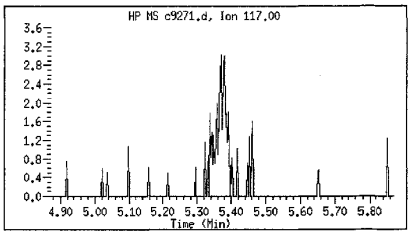
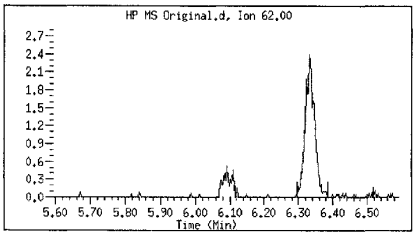
Date: 12/29/2007 08:54



51 1,2-Dichloroethane CAS#: 107-06-2 Reason: M2



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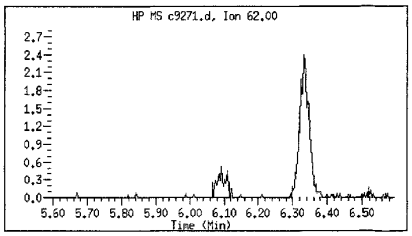
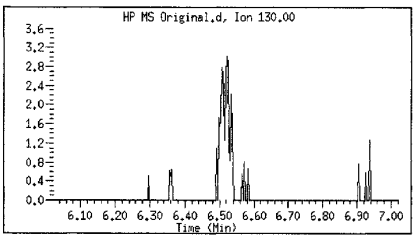
User: egw
Date: 12/29/2007 09:15



56 Trichloroethene CAS#: 79-01-6 Reason: M2



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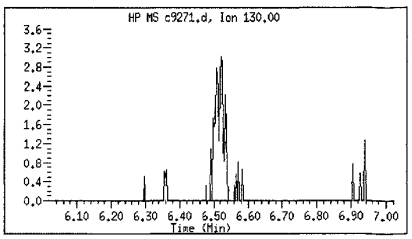
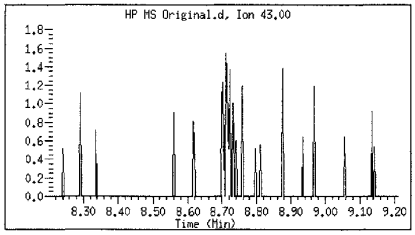


Original Final

73 4-methyl-2-pentanone CAS#: 108-10-1 Reason: M2



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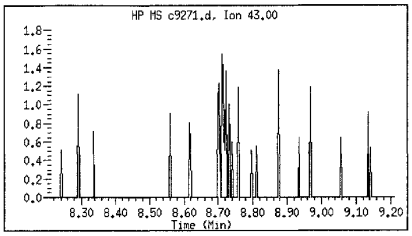
Date: 12/29/2007 09:15



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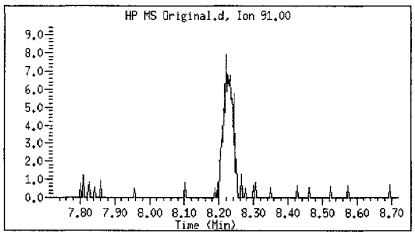
69 Toluene + CAS#: 108-88-3 Reason: M2



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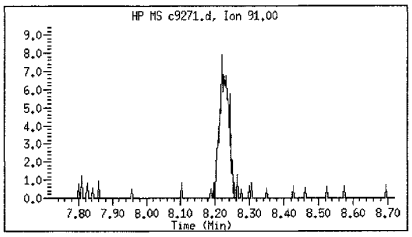

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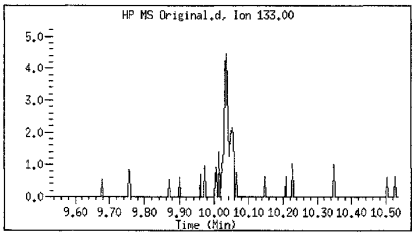
88 1,1,1,2-Tetrachloroethane CAS#: 630-20-6 Reason: M2



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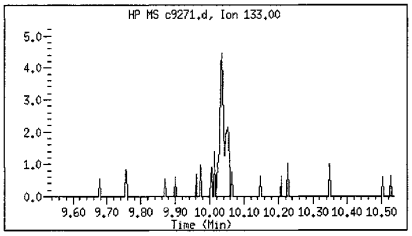

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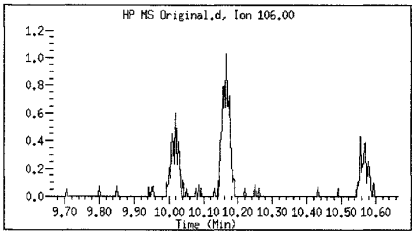
89 p,m-Xylene CAS#: 136777-61-2 Reason: M2



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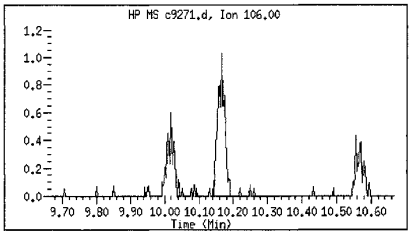

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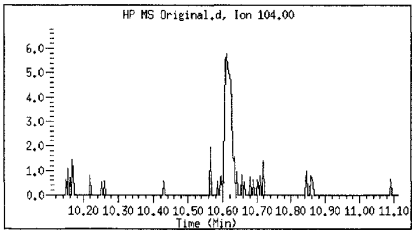
91 Styrene CAS#: 100-42-5 Reason: M2



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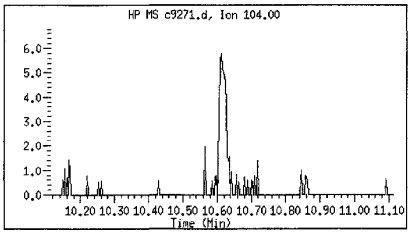
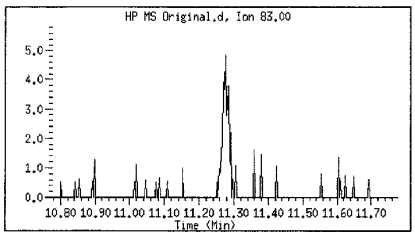


168752

Original Final

98 1,1,2,2-Tetrachloroethane++ CAS#: 79-34-5 Reason: M2



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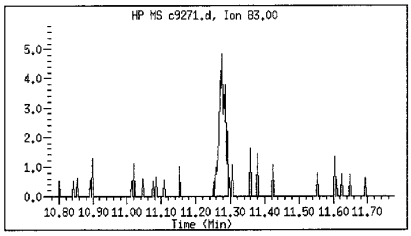

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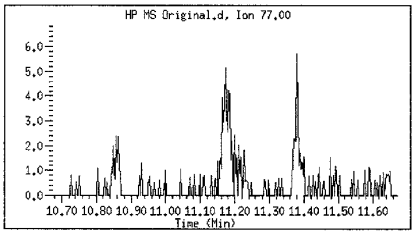
96 Bromobenzene CAS#: 108-86-1 Reason: M2



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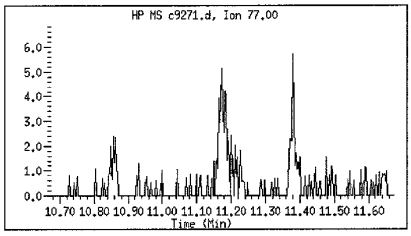

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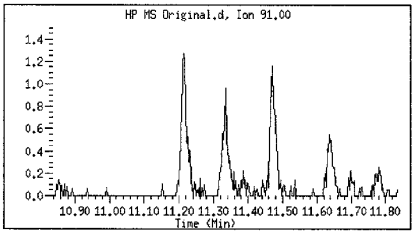
99 2-Chlorotoluene CAS#: 95-49-8 Reason: M2



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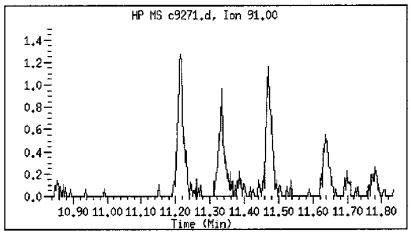

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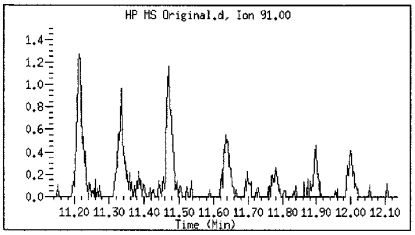
105 tert-butylbenzene CAS#: 98-06-6 Reason: M2



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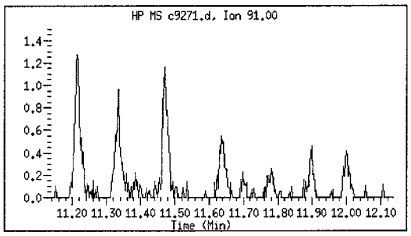

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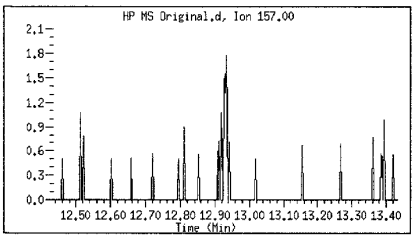
119 1,2-Dibromo-3-Chloropropane CAS#: 96-12-8 Reason: M2



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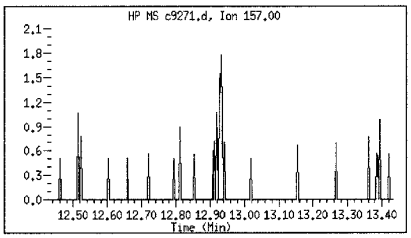
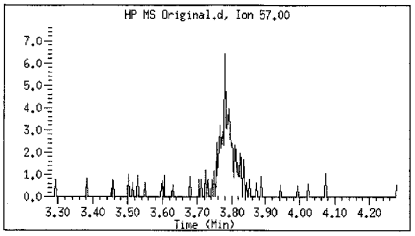


168753

Original Final

20 Hexane CAS#: 110-54-3 Reason: M2



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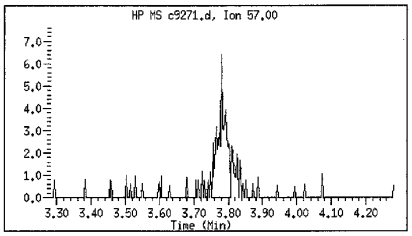
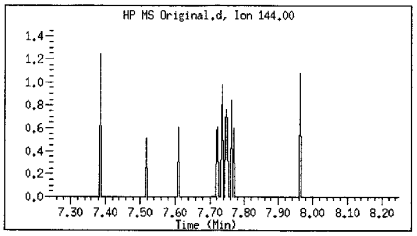


65 1-Bromo-2-chloroethane CAS#: 107-04-0 Reason: M2



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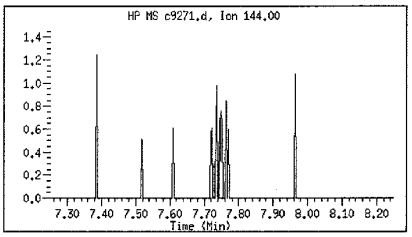


M2 - Target system integrated incorrectly

168754

GCAL, Inc.

Data file : /var/chem/msv7.i/2071228p.s.b/c9272.d
Lab Smp Id: 1207 Client Smp ID: V7STD0.40
Inj Date : 28-DEC-2007 20:17
Operator : EGW Inst ID: msv7.i
Smp Info : 1207*V7STD0.40
Misc Info : MSV~12186~*1*EGW
Comment :
Method : /var/chem/msv7.i/2071228p.s.b/8260bw7.m
Meth Date : 29-Dec-2007 10:43 egw Quant Type: ISTD
Cal Date : 28-DEC-2007 20:17 Cal File: c9272.d
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.639	1.639	(0.259)	15037	0.40000	0.480	(a)
2 Chloromethane ++	50	1.809	1.809	(0.286)	10709	0.40000	0.662	(a)
3 Vinyl Chloride +	62	1.873	1.873	(0.296)	10735	0.40000	0.585	(a)
6 Bromomethane	94	2.174	2.174	(0.343)	15620	0.40000	0.210	(aM2)
7 Chloroethane	64	2.289	2.289	(0.361)	7093	0.40000	0.565	(a)
8 Trichlorofluoromethane	101	2.411	2.411	(0.381)	18575	0.40000	0.448	(a)
10 1,1-Dichloroethene +	96	2.911	2.911	(0.459)	9612	0.40000	0.636	(a)
11 Carbon Disulfide	76	2.925	2.925	(0.462)	29572	0.40000	0.686	(a)
12 1,1,2Trichlotrifluoroethane	101	2.958	2.958	(0.467)	9392	0.40000	0.453	(a)
13 Methyl Iodide	142	3.050	3.050	(0.481)	16700	0.40000	0.669	(a)
16 Methylene Chloride	49	3.510	3.510	(0.554)	10289	0.40000	0.607	(a)
17 Acetone	43	3.585	3.585	(0.566)	67519	0.40000	1.34	
18 trans-1,2-Dichloroethene	61	3.689	3.689	(0.582)	9774	0.40000	0.452	(a)
19 Methyl Acetate	43	3.714	3.714	(0.586)	10828	0.40000	1.41	0(M2)

168755

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	20 Hexane	57	3.769	3.769	(0.595)	11909	0.40000	0.515	0(aM2)
	21 MTBE	73	3.822	3.822	(0.603)	25103	0.40000	0.466	7724(a)
	26 1,1-Dichloroethane ++	63	4.358	4.358	(0.688)	12684	0.40000	0.423	(a)
	27 Acrylonitrile	53	4.416	4.416	(0.697)	3620	2.00000	0.803	(a)
	29 cis-1,2-Dichloroethene	61	4.938	4.938	(0.779)	9181	0.40000	0.413	(a)
	30 2,2-Dichloropropane	77	5.041	5.041	(0.796)	15088	0.40000	0.488	(a)
	32 Cyclohexane	56	5.136	5.136	(0.811)	9050	0.40000	0.403	7140(a)
	34 Bromochloromethane	128	5.133	5.133	(0.810)	3811	0.40000	0.362	(a)
	35 Chloroform +	83	5.231	5.231	(0.826)	22193	0.40000	0.592	(a)
	36 Carbon Tetrachloride	117	5.373	5.373	(0.848)	11576	0.40000	0.389	(a)
$	40 Dibromofluoromethane	111	5.429	5.429	(0.857)	9821	0.40000	0.533	7611(a)
	41 1,1,1-Trichloroethane	97	5.454	5.454	(0.861)	14706	0.40000	0.424	(a)
	43 1,1-Dichloropropene	75	5.590	5.590	(0.882)	7517	0.40000	0.395	(a)
	44 2-Butanone	43	5.599	5.599	(0.884)	7463	0.40000	0.771	(a)
	46 Benzene	78	5.864	5.864	(0.926)	35930	0.40000	0.609	(a)
$	50 1,2-Dichloroethane-d4	67	6.020	6.020	(0.950)	7648	0.40000	0.717	(a)
	51 1,2-Dichloroethane	62	6.095	6.095	(0.962)	11531	0.40000	0.386	(aM2)
*	53 FLUOROBENZENE	96	6.335	6.335	(1.000)	2810521	50.0000		
	55 Methyl Cyclohexane	83	6.500	6.500	(1.026)	9377	0.40000	0.599	7680(a)
	56 Trichloroethene	130	6.525	6.525	(1.030)	9937	0.40000	0.427	(aM2)
	57 Dibromomethane	93	6.990	6.990	(1.103)	4666	0.40000	0.458	(a)
	59 1,2-Dichloropropane +	63	7.124	7.124	(1.125)	5807	0.40000	0.442	(a)
	60 Bromodichloromethane	83	7.186	7.186	(1.134)	8423	0.40000	0.331	(a)
	65 1-Bromo-2-chloroethane	144	7.754	7.754	(1.224)	1439	0.40000	0.388	5751(a)
	67 cis-1,3-Dichloropropene	75	7.947	7.947	(1.254)	6579	0.40000	1.07	
$	68 Toluene-d8	98	8.159	8.159	(0.820)	19813	0.40000	0.422	(a)
	69 Toluene +	91	8.234	8.234	(0.827)	20475	0.40000	0.348	(aM2)
	71 Tetrachloroethene	164	8.680	8.680	(0.872)	7844	0.40000	0.457	(a)
	74 trans-1,3-Dichloropropene	75	8.739	8.739	(1.379)	5810	0.40000	1.22	(M2)
M	75 Total 1,2-Dichloroethene	61				18955	0.80000	0.865	(a)
	76 1,1,2-Trichloroethane	97	8.928	8.928	(0.897)	6030	0.40000	0.403	(a)
	78 Dibromochloromethane	129	9.146	9.146	(0.919)	7981	0.40000	0.428	(a)
	79 1,3-Dichloropropane	76	9.258	9.258	(0.930)	7039	0.40000	0.338	(a)
	80 1,2-Dibromoethane(EDB)	107	9.391	9.391	(0.943)	5529	0.40000	0.409	(a)
M	82 1-3 Dichloropropene total	100				12389	0.80000	2.29	0
	83 2-Hexanone	43	9.704	9.704	(0.975)	1313	0.40000	2.61	(M2)
*	84 CHLOROBENZENE-d5	82	9.955	9.955	(1.000)	1237484	50.0000		
	85 Chlorobenzene ++	112	9.969	9.969	(1.001)	29326	0.40000	0.572	(a)
	86 1-Chlorohexane	91	9.969	9.969	(1.574)	11720	0.40000	0.515	6028(a)
	87 Ethylbenzene +	106	10.019	10.019	(1.006)	11229	0.40000	0.413	(a)
	88 1,1,1,2-Tetrachloroethane	133	10.041	10.041	(1.009)	7795	0.40000	0.379	(aM2)
	89 p,m-Xylene	106	10.161	10.161	(1.021)	17202	0.80000	2.06	(M2)
	90 o-Xylene	106	10.565	10.565	(1.061)	7304	0.40000	1.25	
	92 Bromoform ++	173	10.624	10.624	(1.067)	6041	0.40000	0.380	(a)
	93 Isopropylbenzene	105	10.850	10.850	(1.090)	15497	0.40000	1.48	
$	95 Bromofluorobenzene	174	11.090	11.090	(1.114)	16459	0.40000	0.652	(a)
	96 Bromobenzene	77	11.171	11.171	(0.931)	10207	0.40000	0.382	(aM2)

168756

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
97	n-Propylbenzene	91	11.212	11.212	(0.934)	21357	0.40000	1.46	
98	1,1,2,2-Tetrachloroethane++	83	11.276	11.276	(0.940)	6456	0.40000	0.431	(a)
99	2-Chlorotoluene	91	11.332	11.332	(0.944)	12107	0.40000	1.12	(M2)
100	1,2,3-Trichloropropane	75	11.377	11.377	(0.948)	6731	0.40000	0.431	(a)
102	1,3,5-Trimethylbenzene	105	11.380	11.380	(0.948)	16578	0.40000	1.28	
104	4-Chlorotoluene	91	11.477	11.477	(0.956)	14521	0.40000	1.11	
105	tert-butylbenzene	91	11.639	11.639	(0.970)	9884	0.40000	1.18	
107	1,2,4-Trimethylbenzene	105	11.700	11.700	(0.975)	12371	0.40000	1.30	
108	sec-Butylbenzene	105	11.781	11.781	(0.982)	18759	0.40000	1.45	
110	p-Isopropyltoluene	119	11.896	11.896	(0.991)	14223	0.40000	1.53	
113	1,3-Dichlorobenzene	146	11.937	11.937	(0.995)	16771	0.40000	0.396	(a)
* 114	1,4-DICHLOROBENZENE-D4	152	12.002	12.002	(1.000)	1488182	50.0000		
115	1,4-Dichlorobenzene	146	12.010	12.010	(1.001)	30483	0.40000	0.585	(a)
117	n-Butylbenzene	91	12.219	12.219	(1.018)	19689	0.40000	0.427	(a)
118	1,2-Dichlorobenzene	146	12.336	12.336	(1.028)	18250	0.40000	0.447	(a)
119	1,2-Dibromo-3-Chloropropane	157	12.930	12.930	(1.077)	1950	0.40000	1.94	
120	Hexachlorobutadiene	225	13.387	13.387	(1.115)	8362	0.40000	0.658	(a)
M 121	TOTAL XYLENE	106				24506	1.20000	3.31	
122	1,2,4-Trichlorobenzene	180	13.401	13.401	(1.117)	12018	0.40000	0.785	(a)
124	Naphthalene	128	13.636	13.636	(1.136)	20003	0.40000	1.66	
125	1,2,3-Trichlorobenzene	180	13.761	13.761	(1.147)	10928	0.40000	0.468	(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M2- Compound response manually integrated because
Target system integrated incorrectly.

168757

Data File: /var/chem/msv7.i/2071228p.s.b/c9272.d

Page 1

Date : 28-DEC-2007 20:17

Client ID: V7STD0.40

Instrument: msv7.i

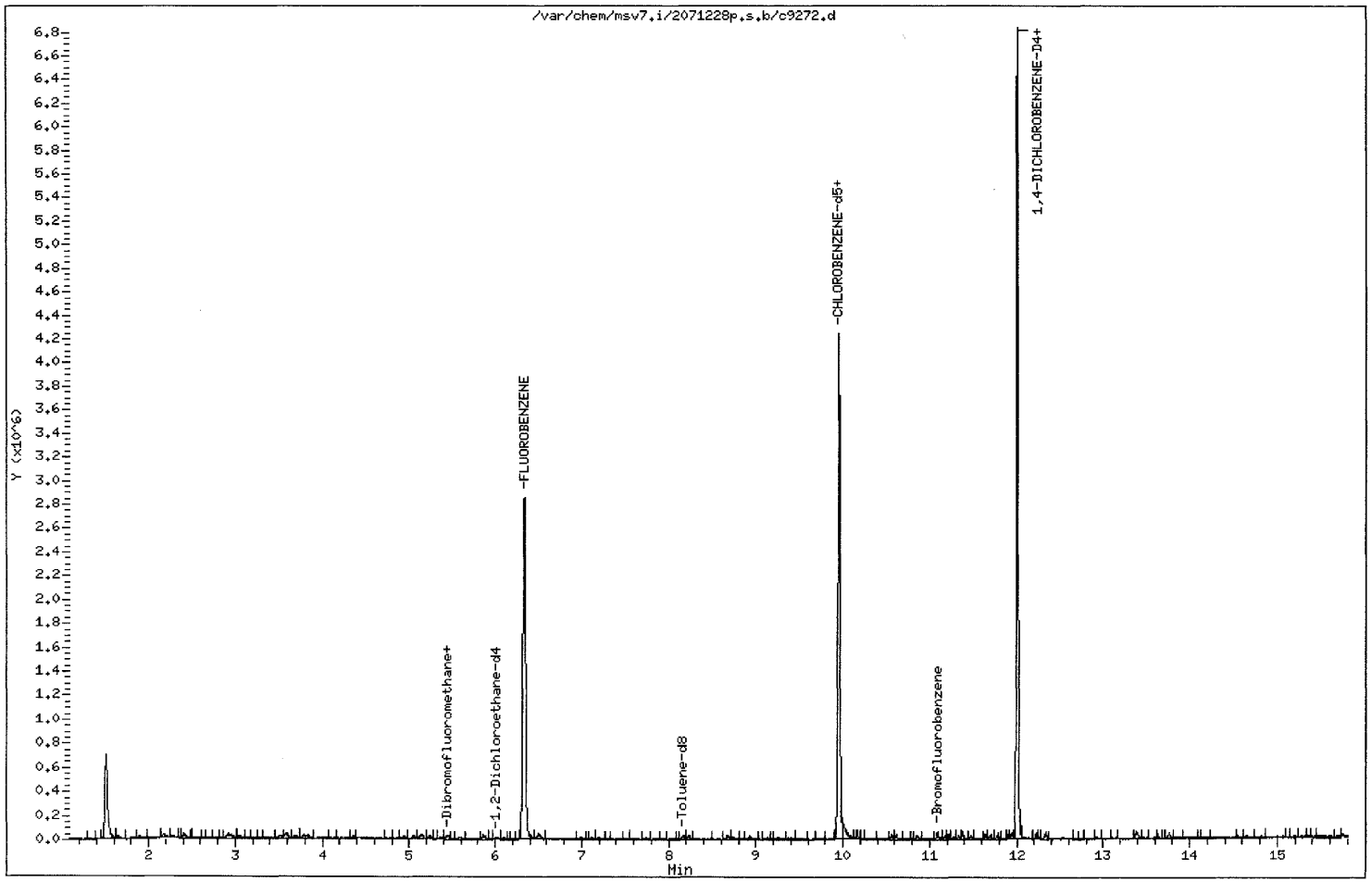
Sample Info: 1207*V7STD0.40

Purge Volume: 5.0

Operator: EGW

Column phase: DB-WRX-20M

Column diameter: 0.18



Data file : /var/chem/msv7.i/2071228p.s.b/c9272.d Page: 1
Report Date: 12/29/2007 10:43

MANUAL INTEGRATION GRAPHIC REPORT

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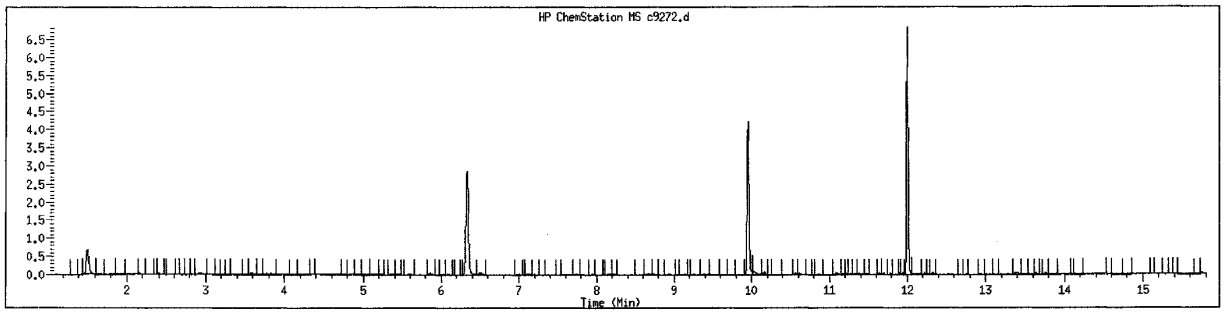
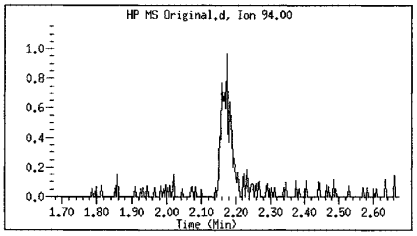
Injection Date: 12/28/2007 20:17 Instrument : msv7.i
Operator : EGW
Sample Info : 1207*V7STD0.40
Misc Info : MSV~12186~*1*EGW
Method : /var/chem/msv7.i/2071228p.s.b/8260bw7.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260b



Original Final

6 Bromomethane CAS#: 74-83-9 Reason: M2



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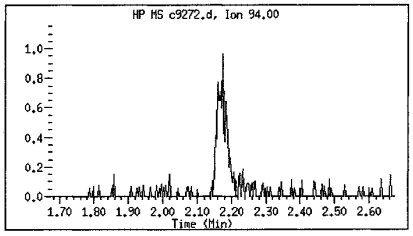
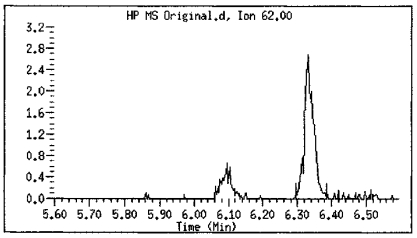


51 1,2-Dichloroethane CAS#: 107-06-2 Reason: M2



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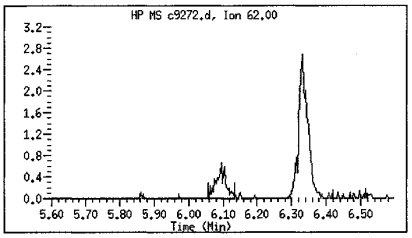
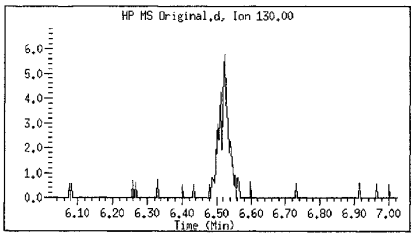


168759

Original Final

56 Trichloroethene CAS#: 79-01-6 Reason: M2



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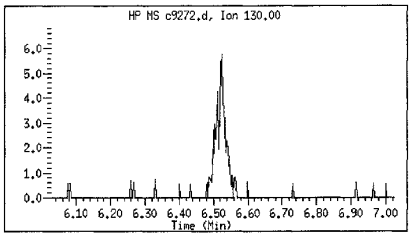

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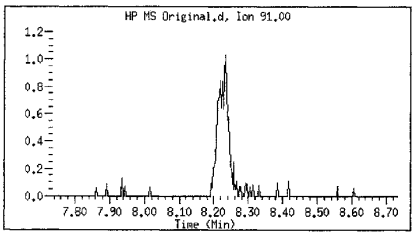
69 Toluene + CAS#: 108-88-3 Reason: M2



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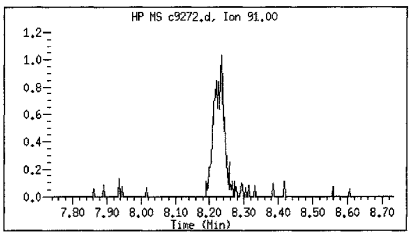

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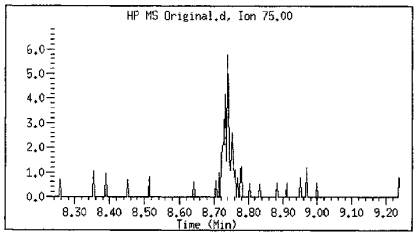
74 trans-1,3-Dichloropropene CAS#: 10061-02-6 Reason: M2



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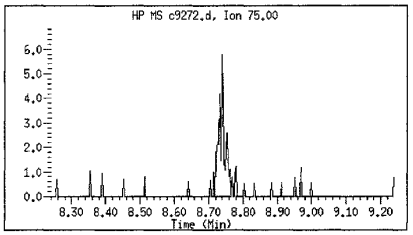

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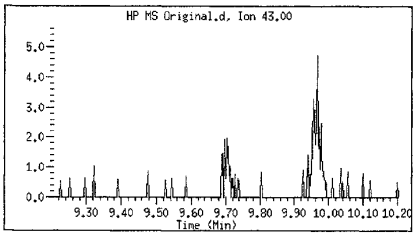
83 2-Hexanone CAS#: 591-78-6 Reason: M2



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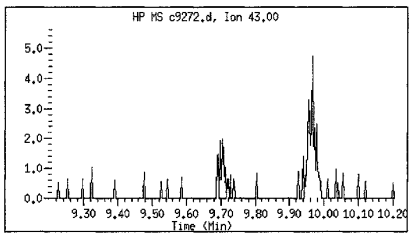

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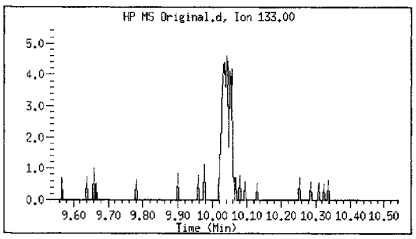
88 1,1,1,2-Tetrachloroethane CAS#: 630-20-6 Reason: M2



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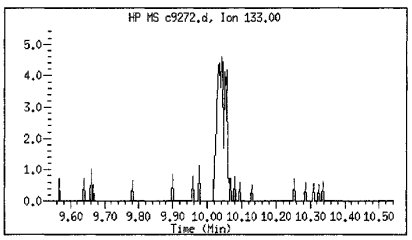
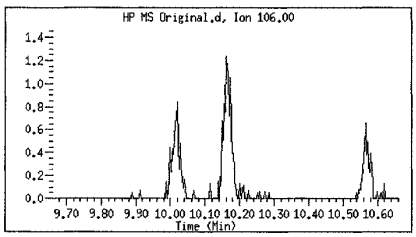


Original Final

89 p,m-Xylene CAS#: 136777-61-2 Reason: M2



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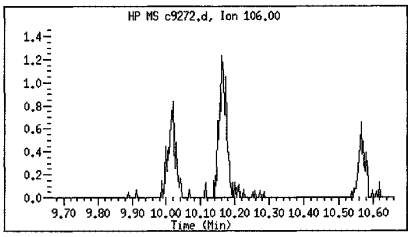

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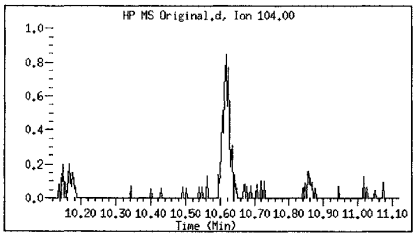
91 Styrene CAS#: 100-42-5 Reason: M2



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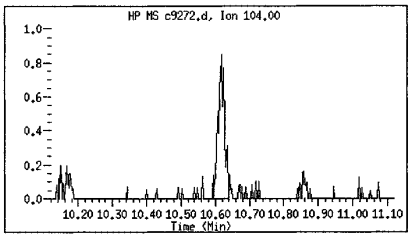

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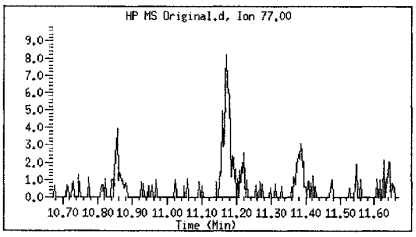
96 Bromobenzene CAS#: 108-86-1 Reason: M2



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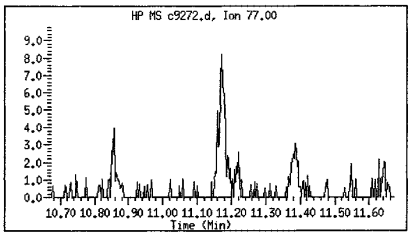

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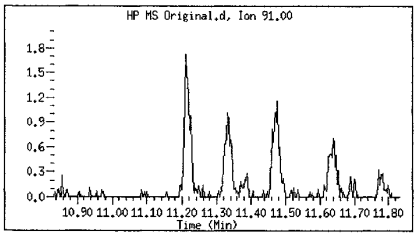
99 2-Chlorotoluene CAS#: 95-49-8 Reason: M2



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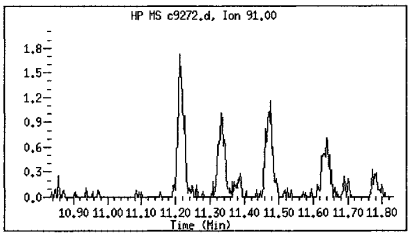

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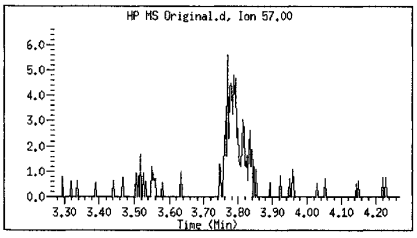
20 Hexane CAS#: 110-54-3 Reason: M2



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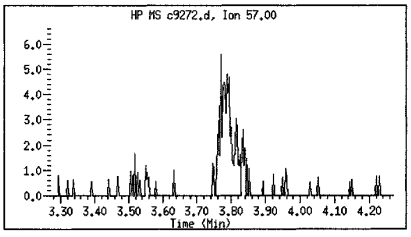
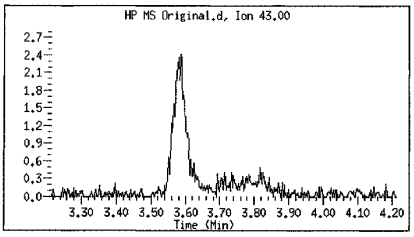


Original Final

19 Methyl Acetate CAS#: 79-20-9 Reason: M2



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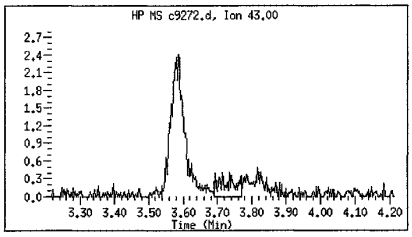

M2 - Target system integrated incorrectly

168762

GCAL, Inc.

Data file : /var/chem/msv7.i/2071228p.s.b/c9273.d
Lab Smp Id: 1208 Client Smp ID: V7STD001
Inj Date : 28-DEC-2007 20:39
Operator : EGW Inst ID: msv7.i
Smp Info : 1208*V7STD001
Misc Info : MSV~12186~*1*EGW
Comment :
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Meth Date : 29-Dec-2007 10:43 egw Quant Type: ISTD
Cal Date : 28-DEC-2007 20:39 Cal File: c9273.d
Als bottle: 3 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.642	1.642	(0.259)	27036	1.00000	0.867	(a)
2 Chloromethane ++	50	1.809	1.809	(0.286)	19881	1.00000	1.23	
3 Vinyl Chloride +	62	1.879	1.879	(0.297)	20341	1.00000	1.11	
6 Bromomethane	94	2.174	2.174	(0.343)	25126	1.00000	0.896	(a)
7 Chloroethane	64	2.283	2.283	(0.360)	15595	1.00000	1.25	
8 Trichlorofluoromethane	101	2.414	2.414	(0.381)	38398	1.00000	0.929	(a)
10 1,1-Dichloroethene +	96	2.910	2.910	(0.459)	16329	1.00000	1.08	
11 Carbon Disulfide	76	2.927	2.927	(0.462)	49323	1.00000	1.15	
12 1,1,2Trichlotrifluoroethane	101	2.963	2.963	(0.468)	18331	1.00000	0.888	(a)
13 Methyl Iodide	142	3.050	3.050	(0.481)	26267	1.00000	1.06	
14 Acrolein	56	3.259	3.259	(0.514)	7086	5.00000	5.44	
16 Methylene Chloride	49	3.524	3.524	(0.556)	18248	1.00000	1.08	
17 Acetone	43	3.585	3.585	(0.566)	65935	1.00000	1.09	(M2)
18 trans-1,2-Dichloroethene	61	3.686	3.686	(0.582)	22849	1.00000	1.06	

168763

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	19 Methyl Acetate	43	3.711	3.711	(0.586)	11833	1.00000	1.53	1960(H)
	20 Hexane	57	3.786	3.786	(0.598)	20591	1.00000	0.893	0(aM2)
	21 MTBE	73	3.825	3.825	(0.604)	50306	1.00000	0.936	8373(a)
	26 1,1-Dichloroethane ++	63	4.355	4.355	(0.687)	32130	1.00000	1.08	
	27 Acrylonitrile	53	4.419	4.419	(0.698)	25378	5.00000	5.65	
	28 Vinyl Acetate	43	4.670	4.670	(0.737)	3164	1.00000	4.22	
	29 cis-1,2-Dichloroethene	61	4.935	4.935	(0.779)	24637	1.00000	1.11	
	30 2,2-Dichloropropane	77	5.049	5.049	(0.797)	33172	1.00000	1.08	
	32 Cyclohexane	56	5.136	5.136	(0.811)	19905	1.00000	0.888	7795(a)
	34 Bromochloromethane	128	5.139	5.139	(0.811)	12201	1.00000	1.16	
	35 Chloroform +	83	5.236	5.236	(0.827)	46904	1.00000	1.25	
	36 Carbon Tetrachloride	117	5.370	5.370	(0.848)	29535	1.00000	0.996	(a)
$	40 Dibromofluoromethane	111	5.434	5.434	(0.858)	22283	1.00000	1.21	8146
	41 1,1,1-Trichloroethane	97	5.459	5.459	(0.862)	33428	1.00000	0.967	(a)
	43 1,1-Dichloropropene	75	5.582	5.582	(0.881)	15250	1.00000	0.804	(a)
	44 2-Butanone	43	5.596	5.596	(0.883)	9353	1.00000	1.08	
	46 Benzene	78	5.869	5.869	(0.926)	63204	1.00000	1.07	
$	50 1,2-Dichloroethane-d4	67	6.014	6.014	(0.949)	13402	1.00000	1.26	
	51 1,2-Dichloroethane	62	6.092	6.092	(0.962)	27872	1.00000	0.937	(a)
*	53 FLUOROBENZENE	96	6.335	6.335	(1.000)	2801329	50.0000		
	55 Methyl Cyclohexane	83	6.497	6.497	(1.026)	16965	1.00000	0.877	7942(a)
	56 Trichloroethene	130	6.525	6.525	(1.030)	22425	1.00000	0.967	(a)
	57 Dibromomethane	93	6.987	6.987	(1.103)	10934	1.00000	1.08	
	59 1,2-Dichloropropane +	63	7.113	7.113	(1.123)	12499	1.00000	0.954	(a)
	60 Bromodichloromethane	83	7.191	7.191	(1.135)	25114	1.00000	0.989	(a)
	64 2-Chloroethyl vinyl ether	63	7.894	7.894	(1.246)	1099	1.00000	3.29	(M2)
	65 1-Bromo-2-chloroethane	144	7.738	7.738	(1.221)	3900	1.00000	1.05	7324
	67 cis-1,3-Dichloropropene	75	7.941	7.941	(1.254)	14992	1.00000	1.38	
$	68 Toluene-d8	98	8.164	8.164	(0.820)	42497	1.00000	0.895	(a)
	69 Toluene +	91	8.228	8.228	(0.827)	44992	1.00000	0.757	(aM2)
	71 Tetrachloroethene	164	8.680	8.680	(0.872)	16234	1.00000	0.936	(a)
	73 4-methyl-2-pentanone	43	8.714	8.714	(1.375)	8376	1.00000	3.21	
	74 trans-1,3-Dichloropropene	75	8.739	8.739	(1.379)	12234	1.00000	1.45	
M	75 Total 1,2-Dichloroethene	61				47486	2.00000	2.17	
	76 1,1,2-Trichloroethane	97	8.931	8.931	(0.897)	14027	1.00000	0.927	(a)
	78 Dibromochloromethane	129	9.129	9.129	(0.917)	17827	1.00000	0.947	(a)
	79 1,3-Dichloropropane	76	9.263	9.263	(0.931)	17389	1.00000	0.826	(a)
	80 1,2-Dibromoethane(EDB)	107	9.400	9.400	(0.944)	11724	1.00000	0.858	(a)
M	82 1-3 Dichloropropene total	100				27226	2.00000	2.83	0
	83 2-Hexanone	43	9.701	9.701	(0.975)	4466	1.00000	3.02	(M2)
*	84 CHLOROBENZENE-d5	82	9.955	9.955	(1.000)	1250944	50.0000		
	85 Chlorobenzene ++	112	9.971	9.971	(1.002)	62106	1.00000	1.20	
	86 1-Chlorohexane	91	9.980	9.980	(1.575)	21438	1.00000	0.945	7104(aM2)
	87 Ethylbenzene +	106	10.008	10.008	(1.005)	22842	1.00000	0.831	(a)
	88 1,1,1,2-Tetrachloroethane	133	10.038	10.038	(1.008)	20317	1.00000	0.976	(aM2)
	89 p,m-Xylene	106	10.169	10.169	(1.022)	46652	2.00000	2.78	(M2)
	90 o-Xylene	106	10.565	10.565	(1.061)	19004	1.00000	1.60	

168764

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	91 Styrene	104	10.615	10.615	(1.066)	28837	1.00000	0.193	(a)
	92 Bromoform ++	173	10.629	10.629	(1.068)	13726	1.00000	0.853	(a)
	93 Isopropylbenzene	105	10.858	10.858	(1.091)	45094	1.00000	1.74	
$	95 Bromofluorobenzene	174	11.090	11.090	(1.114)	26136	1.00000	1.02	
	96 Bromobenzene	77	11.170	11.170	(0.931)	23746	1.00000	0.823	(aM2)
	97 n-Propylbenzene	91	11.212	11.212	(0.934)	54939	1.00000	1.67	
	98 1,1,2,2-Tetrachloroethane++	83	11.276	11.276	(0.940)	16396	1.00000	1.01	
	99 2-Chlorotoluene	91	11.329	11.329	(0.944)	33316	1.00000	1.41	(M2)
	100 1,2,3-Trichloropropane	75	11.382	11.382	(0.949)	16622	1.00000	0.986	(a)
	102 1,3,5-Trimethylbenzene	105	11.382	11.382	(0.949)	38072	1.00000	1.46	
	101 trans-1,4-Dichloro-2-Butene	53	11.385	11.385	(0.949)	1099	1.00000	3.90	(M2)
	104 4-Chlorotoluene	91	11.477	11.477	(0.957)	36272	1.00000	1.37	
	105 tert-butylbenzene	91	11.639	11.639	(0.970)	21102	1.00000	1.39	
	107 1,2,4-Trimethylbenzene	105	11.695	11.695	(0.975)	39979	1.00000	1.53	
	108 sec-Butylbenzene	105	11.781	11.781	(0.982)	48229	1.00000	1.65	
	110 p-Isopropyltoluene	119	11.895	11.895	(0.991)	38572	1.00000	1.71	
	113 1,3-Dichlorobenzene	146	11.937	11.937	(0.995)	43970	1.00000	0.961	(a)
*	114 1,4-DICHLOROBENZENE-D4	152	11.999	11.999	(1.000)	1606118	50.0000		
	115 1,4-Dichlorobenzene	146	12.013	12.013	(1.001)	64230	1.00000	1.11	
	117 n-Butylbenzene	91	12.224	12.224	(1.019)	39020	1.00000	0.784	(a)
	118 1,2-Dichlorobenzene	146	12.333	12.333	(1.028)	45429	1.00000	1.03	
	119 1,2-Dibromo-3-Chloropropane	157	12.922	12.922	(1.077)	4237	1.00000	2.40	
	120 Hexachlorobutadiene	225	13.382	13.382	(1.115)	14174	1.00000	1.03	
M	121 TOTAL XYLENE	106				65656	3.00000	4.38	
	122 1,2,4-Trichlorobenzene	180	13.404	13.404	(1.117)	20094	1.00000	1.03	
	124 Naphthalene	128	13.636	13.636	(1.136)	28277	1.00000	1.77	
	125 1,2,3-Trichlorobenzene	180	13.761	13.761	(1.147)	21101	1.00000	0.838	(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

168765

Data File: /var/chem/msv7.i/2071228p.s.b/c9273.d

Date : 28-DEC-2007 20:39

Client ID: V7STD001

Instrument: msv7.i

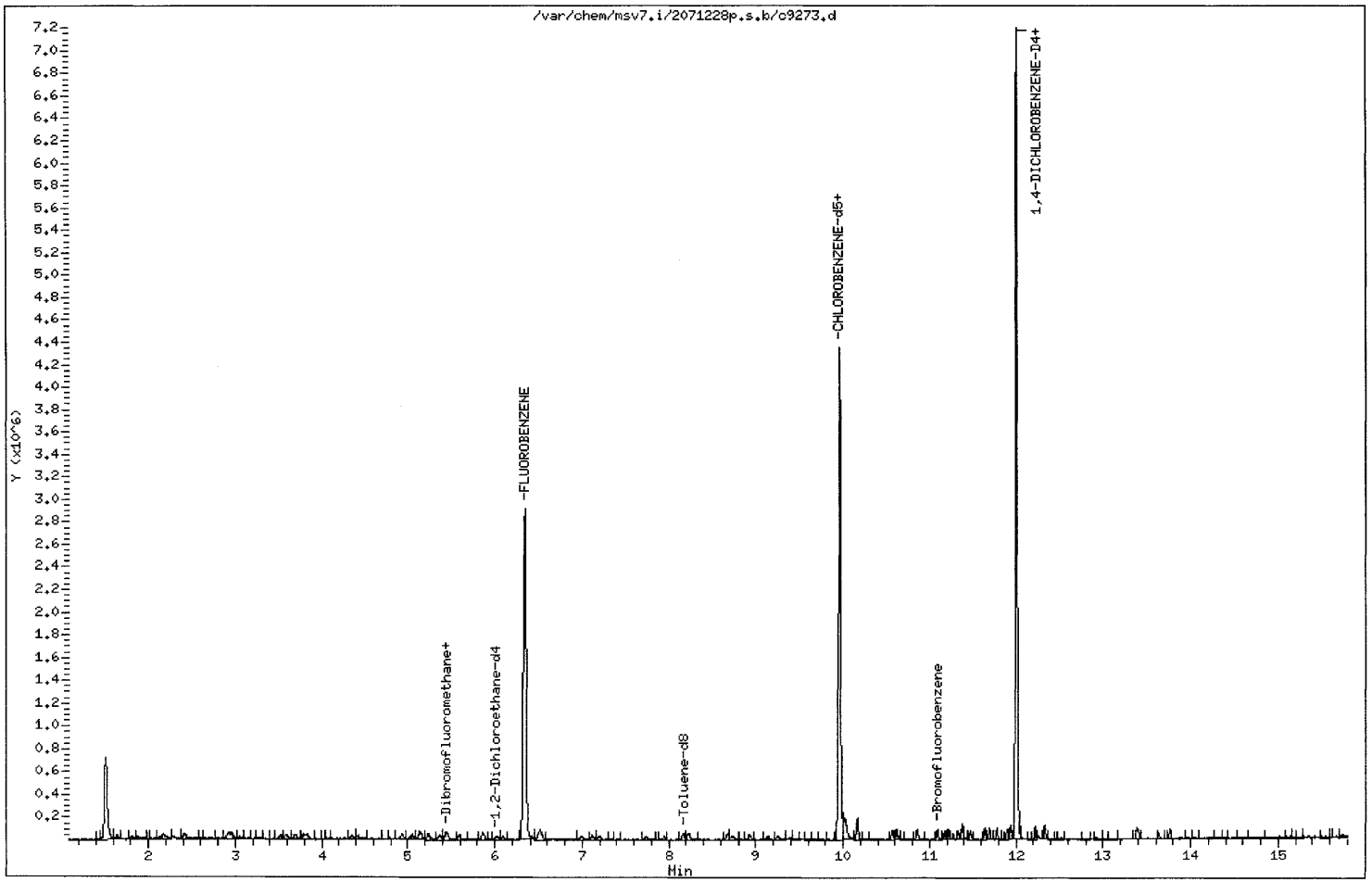
Sample Info: 1208*V7STD001

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-20M

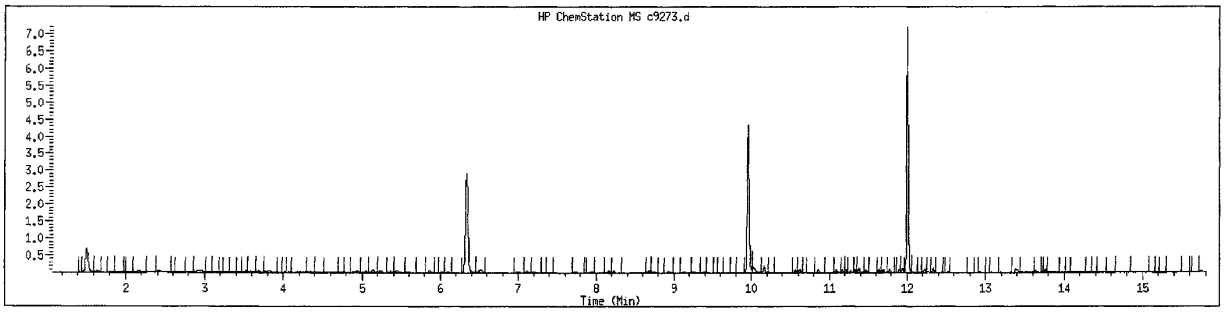
Column diameter: 0.18



Data file : /var/chem/msv7.i/2071228p.s.b/c9273.d Page: 1
Report Date: 12/29/2007 10:43

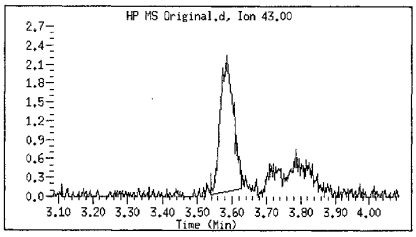
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1208 SampleType : CALIB_8
Injection Date: 12/28/2007 20:39 Instrument : msv7.i
Operator : EGW
Sample Info : 1208*V7STD001
Misc Info : MSV~12186~*1*EGW
Method : /var/chem/msv7.i/2071228p.s.b/8260bw7.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260b



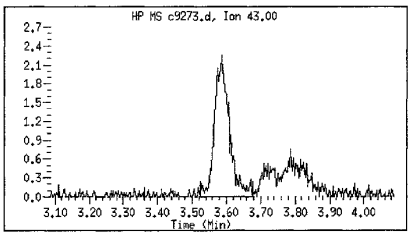
Original Final

17 Acetone CAS#: 67-64-1 Reason: M2

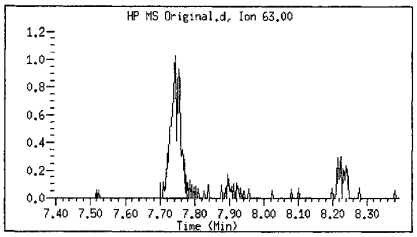


Electronic Signature
Applied

User: egw
Date: 12/29/2007 09:08



64 2-Chloroethyl vinyl ether CAS#: 110-75-8 Reason: M2



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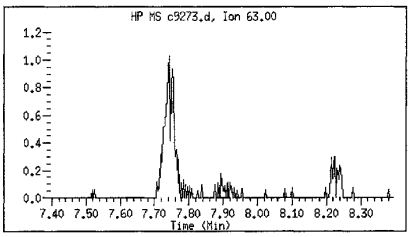
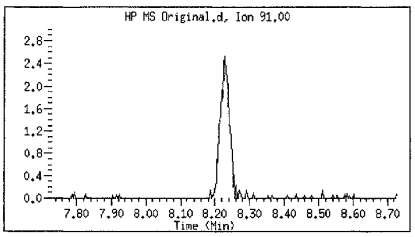


168767

Original Final

69 Toluene + CAS#: 108-88-3 Reason: M2



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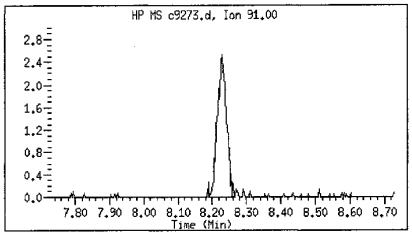

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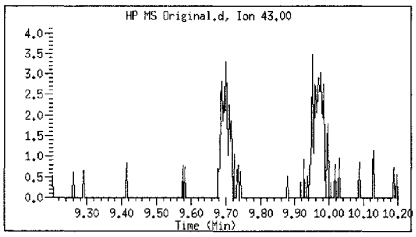
83 2-Hexanone CAS#: 591-78-6 Reason: M2



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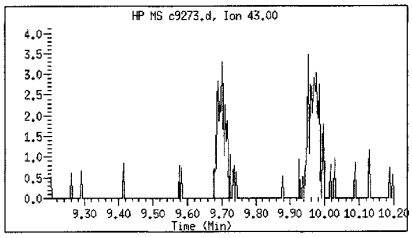
Date: 12/29/2007 09:09



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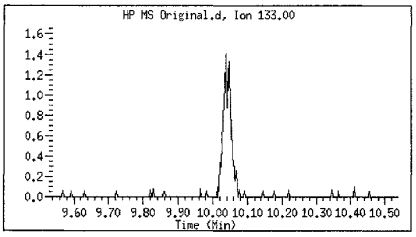
88 1,1,1,2-Tetrachloroethane CAS#: 630-20-6 Reason: M2



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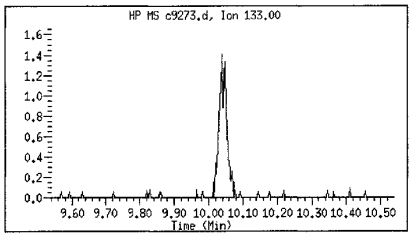
Date: 12/29/2007 09:09



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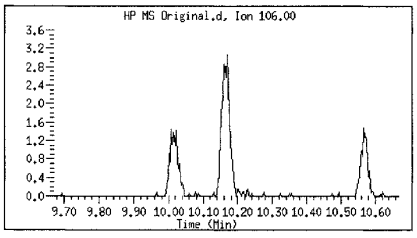
89 p,m-Xylene CAS#: 136777-61-2 Reason: M2



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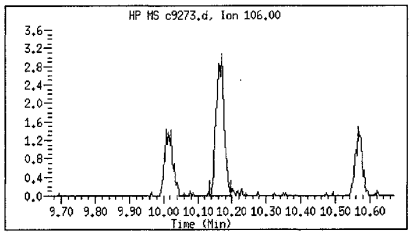
Date: 12/29/2007 09:09



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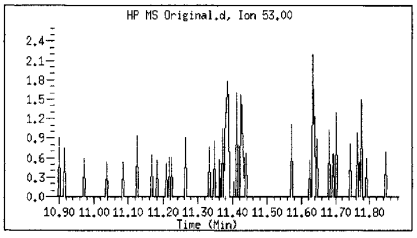
101 trans-1,4-Dichloro-2-Butene CAS#: 110-57-6 Reason: M2



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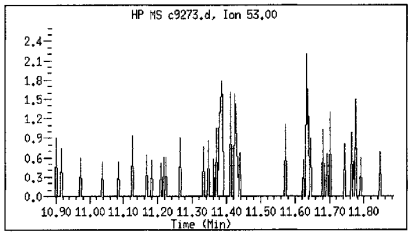
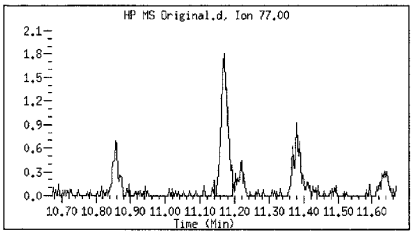
User: egw
Date: 12/29/2007 09:09



Original Final

96 Bromobenzene CAS#: 108-86-1 Reason: M2



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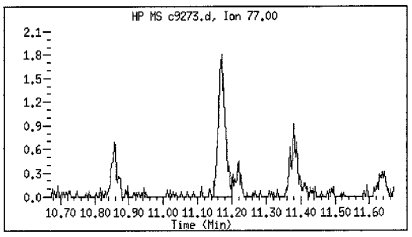
User: egw
Date: 12/29/2007 09:00



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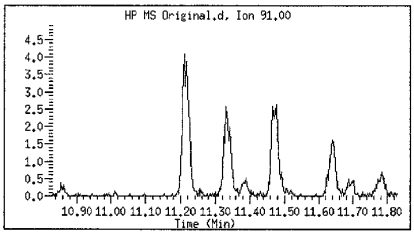
99 2-Chlorotoluene CAS#: 95-49-8 Reason: M2



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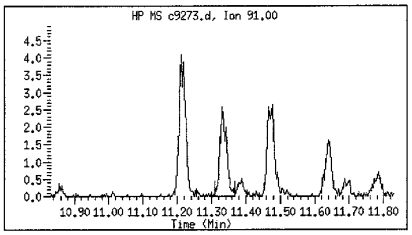

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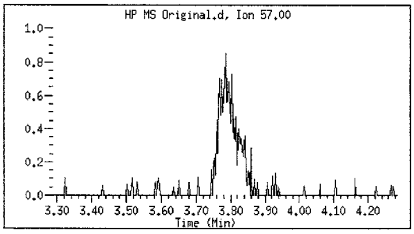
20 Hexane CAS#: 110-54-3 Reason: M2



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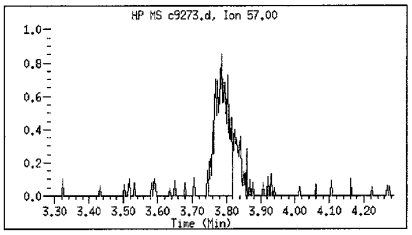
Date: 12/29/2007 08:57



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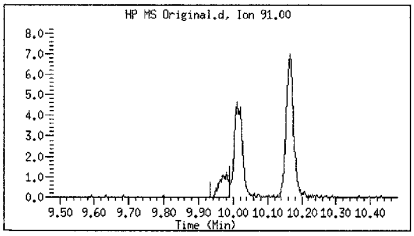
86 1-Chlorohexane CAS#: 544-10-5 Reason: M2



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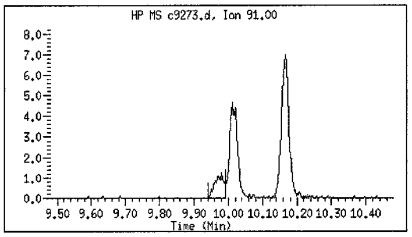


M2 - Target system integrated incorrectly

GCAL, Inc.

Data file : /var/chem/msv7.i/2071228p.s.b/c9274.d
Lab Smp Id: 1201 Client Smp ID: V7STD005
Inj Date : 28-DEC-2007 21:01
Operator : EGW Inst ID: msv7.i
Smp Info : 1201*V7STD005
Misc Info : MSV~12186~*1*EGW
Comment :
Method : /var/chem/msv7.i/2071228p.s.b/8260bw7.m
Meth Date : 29-Dec-2007 10:43 egw Quant Type: ISTD
Cal Date : 28-DEC-2007 21:01 Cal File: c9274.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.642	1.642	(0.259)	166812	5.00000	5.21	
2 Chloromethane ++	50	1.806	1.806	(0.285)	88148	5.00000	5.32	
3 Vinyl Chloride +	62	1.884	1.884	(0.298)	94010	5.00000	5.01	
6 Bromomethane	94	2.174	2.174	(0.343)	95195	5.00000	5.75	
7 Chloroethane	64	2.283	2.283	(0.361)	65680	5.00000	5.11	
8 Trichlorofluoromethane	101	2.417	2.417	(0.382)	211589	5.00000	4.99	
10 1,1-Dichloroethene +	96	2.905	2.905	(0.459)	82697	5.00000	5.35	
11 Carbon Disulfide	76	2.927	2.927	(0.462)	230463	5.00000	5.23	
12 1,1,2Trichlotrifluoroethane	101	2.950	2.950	(0.466)	106780	5.00000	5.04	
13 Methyl Iodide	142	3.056	3.056	(0.483)	105459	5.00000	4.13	
14 Acrolein	56	3.262	3.262	(0.515)	35918	25.0000	26.9	
16 Methylene Chloride	49	3.516	3.516	(0.555)	95787	5.00000	5.52	
17 Acetone	43	3.585	3.585	(0.566)	83485	5.00000	4.00	
18 trans-1,2-Dichloroethene	61	3.691	3.691	(0.583)	114016	5.00000	5.15	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	19 Methyl Acetate	43	3.716	3.716	(0.587)	57973	5.00000	6.52	2191(M2H)
	20 Hexane	57	3.775	3.775	(0.596)	121983	5.00000	5.16	9261(M2)
	21 MTBE	73	3.820	3.820	(0.603)	274104	5.00000	4.97	9333
	26 1,1-Dichloroethane ++	63	4.347	4.347	(0.686)	161682	5.00000	5.27	
	27 Acrylonitrile	53	4.419	4.419	(0.698)	113885	25.0000	24.7	
	28 Vinyl Acetate	43	4.662	4.662	(0.736)	11355	5.00000	5.84	
	29 cis-1,2-Dichloroethene	61	4.932	4.932	(0.779)	118361	5.00000	5.21	
	30 2,2-Dichloropropane	77	5.061	5.061	(0.799)	155283	5.00000	4.91	
	32 Cyclohexane	56	5.141	5.141	(0.812)	103783	5.00000	4.51	8770
	34 Bromochloromethane	128	5.144	5.144	(0.812)	52768	5.00000	4.89	
	35 Chloroform +	83	5.239	5.239	(0.827)	192229	5.00000	5.01	
	36 Carbon Tetrachloride	117	5.376	5.376	(0.849)	154323	5.00000	5.07	
$	40 Dibromofluoromethane	111	5.434	5.434	(0.858)	99296	5.00000	5.27	9386
	41 1,1,1-Trichloroethane	97	5.457	5.457	(0.862)	179533	5.00000	5.06	
	43 1,1-Dichloropropene	75	5.593	5.593	(0.883)	80349	5.00000	4.13	
	44 2-Butanone	43	5.593	5.593	(0.883)	29774	5.00000	4.25	
	46 Benzene	78	5.861	5.861	(0.926)	294206	5.00000	4.87	
$	50 1,2-Dichloroethane-d4	67	6.023	6.023	(0.951)	57150	5.00000	5.24	
	51 1,2-Dichloroethane	62	6.090	6.090	(0.962)	151798	5.00000	4.97	
*	53 FLUOROBENZENE	96	6.332	6.332	(1.000)	2874770	50.0000		
	55 Methyl Cyclohexane	83	6.505	6.505	(1.027)	115629	5.00000	4.37	8944
	56 Trichloroethene	130	6.519	6.519	(1.030)	110569	5.00000	4.65	
	57 Dibromomethane	93	6.990	6.990	(1.104)	50726	5.00000	4.87	
	59 1,2-Dichloropropane +	63	7.116	7.116	(1.124)	61167	5.00000	4.55	
	60 Bromodichloromethane	83	7.191	7.191	(1.136)	130725	5.00000	5.02	
	64 2-Chloroethyl vinyl ether	63	7.905	7.905	(1.248)	11645	5.00000	5.34	
	65 1-Bromo-2-chloroethane	144	7.746	7.746	(1.223)	17706	5.00000	4.66	8432
	67 cis-1,3-Dichloropropene	75	7.941	7.941	(1.254)	95467	5.00000	4.31	
$	68 Toluene-d8	98	8.167	8.167	(0.821)	241888	5.00000	4.65	
	69 Toluene +	91	8.229	8.229	(0.827)	329684	5.00000	5.05	
	71 Tetrachloroethene	164	8.677	8.677	(0.872)	89474	5.00000	4.70	
	73 4-methyl-2-pentanone	43	8.722	8.722	(1.377)	37491	5.00000	5.45	
	74 trans-1,3-Dichloropropene	75	8.739	8.739	(1.380)	98074	5.00000	4.46	
M	75 Total 1,2-Dichloroethene	61				232377	10.0000	10.4	
	76 1,1,2-Trichloroethane	97	8.937	8.937	(0.898)	85282	5.00000	5.14	
	78 Dibromochloromethane	129	9.140	9.140	(0.918)	96490	5.00000	4.67	
	79 1,3-Dichloropropane	76	9.255	9.255	(0.930)	109565	5.00000	4.75	
	80 1,2-Dibromoethane(EDB)	107	9.397	9.397	(0.944)	73257	5.00000	4.89	
M	82 1-3 Dichloropropene total	100				193541	10.0000	8.77	0
	83 2-Hexanone	43	9.695	9.695	(0.974)	23450	5.00000	5.23	
*	84 CHLOROBENZENE-d5	82	9.952	9.952	(1.000)	1372531	50.0000		
	85 Chlorobenzene ++	112	9.971	9.971	(1.002)	302796	5.00000	5.32	
	86 1-Chlorohexane	91	9.977	9.977	(1.576)	110808	5.00000	4.76	7330(M2)
	87 Ethylbenzene +	106	10.016	10.016	(1.006)	143991	5.00000	4.77	
	88 1,1,1,2-Tetrachloroethane	133	10.041	10.041	(1.009)	114123	5.00000	5.00	
	89 p,m-Xylene	106	10.164	10.164	(1.021)	343745	10.0000	9.54	
	90 o-Xylene	106	10.571	10.571	(1.062)	118577	5.00000	4.33	

168771

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
91	Styrene	104	10.621	10.621	(1.067)	242808	5.00000	4.34	
92	Bromoform ++	173	10.624	10.624	(1.068)	80745	5.00000	4.57	
93	Isopropylbenzene	105	10.858	10.858	(1.091)	344680	5.00000	4.29	
$ 95	Bromofluorobenzene	174	11.092	11.092	(1.115)	135466	5.00000	4.84	
96	Bromobenzene	77	11.168	11.168	(0.931)	155058	5.00000	4.81	(M2)
97	n-Propylbenzene	91	11.215	11.215	(0.934)	424504	5.00000	4.02	
98	1,1,2,2-Tetrachloroethane++	83	11.274	11.274	(0.939)	89405	5.00000	4.95	
99	2-Chlorotoluene	91	11.335	11.335	(0.944)	272096	5.00000	4.44	
100	1,2,3-Trichloropropane	75	11.377	11.377	(0.948)	97677	5.00000	5.19	(M2)
102	1,3,5-Trimethylbenzene	105	11.382	11.382	(0.948)	374140	5.00000	4.32	
101	trans-1,4-Dichloro-2-Butene	53	11.419	11.419	(0.951)	9061	5.00000	6.38	
104	4-Chlorotoluene	91	11.472	11.472	(0.956)	321788	5.00000	4.61	
105	tert-butylbenzene	91	11.639	11.639	(0.970)	187640	5.00000	4.36	
107	1,2,4-Trimethylbenzene	105	11.698	11.698	(0.975)	376593	5.00000	4.27	
108	sec-Butylbenzene	105	11.781	11.781	(0.982)	415902	5.00000	4.20	
110	p-Isopropyltoluene	119	11.898	11.898	(0.991)	353258	5.00000	4.13	
113	1,3-Dichlorobenzene	146	11.940	11.940	(0.995)	288401	5.00000	5.64	
* 114	1,4-DICHLOROBENZENE-D4	152	12.002	12.002	(1.000)	1794331	50.0000		
115	1,4-Dichlorobenzene	146	12.010	12.010	(1.001)	319392	5.00000	4.98	
117	n-Butylbenzene	91	12.219	12.219	(1.018)	278078	5.00000	5.00	
118	1,2-Dichlorobenzene	146	12.331	12.331	(1.027)	256482	5.00000	5.21	
119	1,2-Dibromo-3-Chloropropane	157	12.930	12.930	(1.077)	18369	5.00000	5.03	
120	Hexachlorobutadiene	225	13.385	13.385	(1.115)	74778	5.00000	4.88	
M 121	TOTAL XYLENE	106				462322	15.0000	13.9	
122	1,2,4-Trichlorobenzene	180	13.404	13.404	(1.117)	116484	5.00000	3.97	
124	Naphthalene	128	13.638	13.638	(1.136)	180854	5.00000	3.94	
125	1,2,3-Trichlorobenzene	180	13.764	13.764	(1.147)	127542	5.00000	4.53	

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

168772

Data File: /var/chem/msv7.i/2071228p.s.b/c9274.d

Page 1

Date : 28-DEC-2007 21:01

Client ID: V7STD005

Instrument: msv7.i

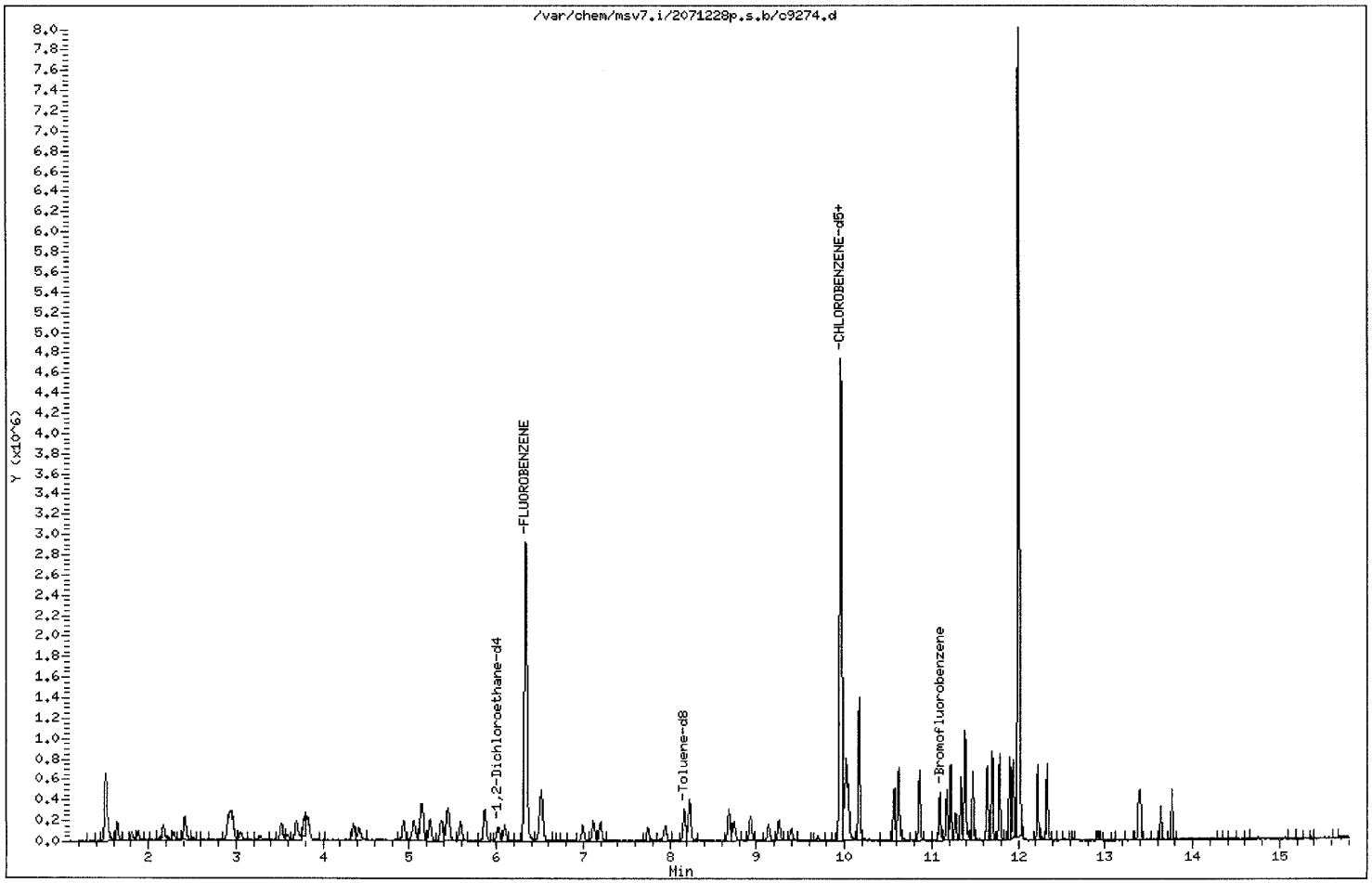
Sample Info: 1201*V7STD005

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-20M

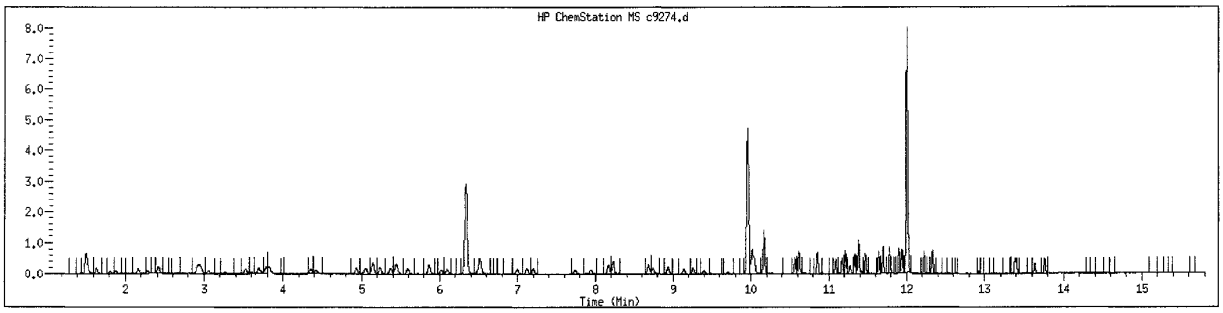
Column diameter: 0.18



Data file : /var/chem/msv7.i/2071228p.s.b/c9274.d Page: 1
Report Date: 12/29/2007 10:43

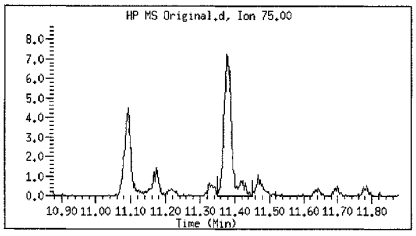
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1201 SampleType : CALIB_1
Injection Date: 12/28/2007 21:01 Instrument : msv7.i
Operator : EGW
Sample Info : 1201*V7STD005
Misc Info : MSV~12186~*1*EGW
Method : /var/chem/msv7.i/2071228p.s.b/8260bw7.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260b



Original Final

100 1,2,3-Trichloropropane CAS#: 96-18-4 Reason: M2



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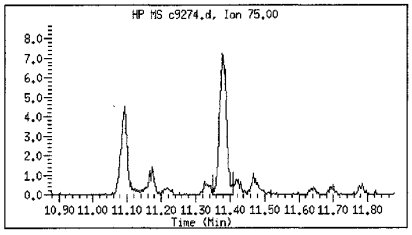
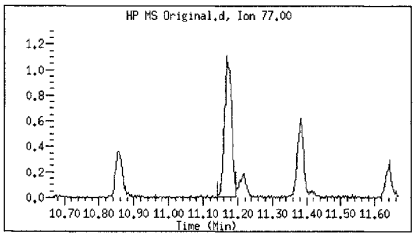
User: egw
Date: 12/29/2007 09:07



96 Bromobenzene CAS#: 108-86-1 Reason: M2



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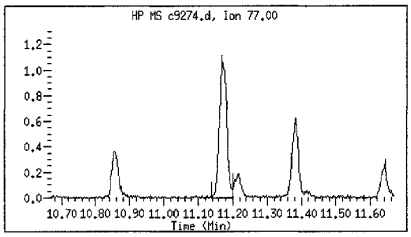
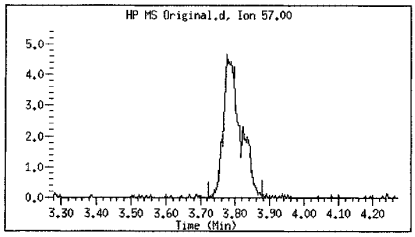


168774

Original Final

20 Hexane CAS#: 110-54-3 Reason: M2



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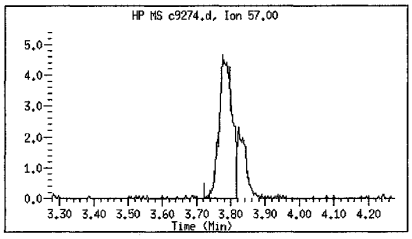
User: egw
Date: 12/29/2007 08:56



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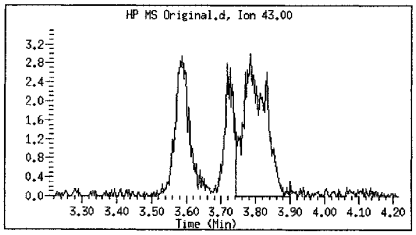
19 Methyl Acetate CAS#: 79-20-9 Reason: M2



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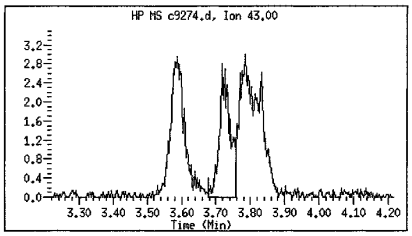
Date: 12/29/2007 08:33



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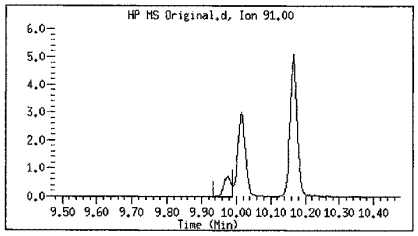
86 1-Chlorohexane CAS#: 544-10-5 Reason: M2



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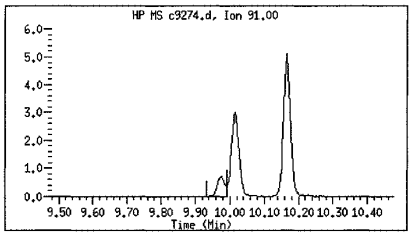


M2 - Target system integrated incorrectly

168775

GCAL, Inc.

Data file : /var/chem/msv7.i/2071228p.s.b/c9275.d
Lab Smp Id: 1206 Client Smp ID: V7STD010
Inj Date : 28-DEC-2007 21:23
Operator : EGW Inst ID: msv7.i
Smp Info : 1206*V7STD010
Misc Info : MSV~12186~*1*EGW
Comment :
Method : /var/chem/msv7.i/2071228p.s.b/8260bw7.m
Meth Date : 29-Dec-2007 10:43 egw Quant Type: ISTD
Cal Date : 28-DEC-2007 21:23 Cal File: c9275.d
Als bottle: 5 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1	Dichlorodifluoromethane	85	1.639	1.639	(0.259)	327678	10.0000	10.1	
2	Chloromethane ++	50	1.806	1.806	(0.285)	168612	10.0000	10.0	
3	Vinyl Chloride +	62	1.884	1.884	(0.297)	189430	10.0000	9.94	
6	Bromomethane	94	2.169	2.169	(0.342)	164429	10.0000	10.4	
7	Chloroethane	64	2.289	2.289	(0.361)	121244	10.0000	9.29	
8	Trichlorofluoromethane	101	2.417	2.417	(0.382)	429142	10.0000	9.96	
10	1,1-Dichloroethene +	96	2.908	2.908	(0.459)	157334	10.0000	10.0	
11	Carbon Disulfide	76	2.927	2.927	(0.462)	435271	10.0000	9.72	
12	1,1,2Trichlotrifluoroethane	101	2.952	2.952	(0.466)	220491	10.0000	10.2	
13	Methyl Iodide	142	3.050	3.050	(0.481)	233088	10.0000	8.99	
14	Acrolein	56	3.270	3.270	(0.516)	63749	50.0000	47.0	
16	Methylene Chloride	49	3.521	3.521	(0.556)	173025	10.0000	9.82	
17	Acetone	43	3.577	3.577	(0.565)	115613	10.0000	9.59	
18	trans-1,2-Dichloroethene	61	3.691	3.691	(0.583)	230197	10.0000	10.2	

168776

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	19 Methyl Acetate	43	3.719	3.719	(0.587)	86317	10.0000	9.46	2579(M2)
	20 Hexane	57	3.783	3.783	(0.597)	237111	10.0000	9.87	9232(M2)
	21 MTBE	73	3.828	3.828	(0.604)	546016	10.0000	9.75	9502
	26 1,1-Dichloroethane ++	63	4.352	4.352	(0.687)	311203	10.0000	9.99	
	27 Acrylonitrile	53	4.414	4.414	(0.697)	220055	50.0000	47.0	
	28 Vinyl Acetate	43	4.651	4.651	(0.734)	24735	10.0000	8.40	
	29 cis-1,2-Dichloroethene	61	4.935	4.935	(0.779)	222763	10.0000	9.65	
	30 2,2-Dichloropropane	77	5.049	5.049	(0.797)	297426	10.0000	9.26	
	32 Cyclohexane	56	5.141	5.141	(0.812)	196547	10.0000	8.41	8638
	34 Bromochloromethane	128	5.147	5.147	(0.812)	98903	10.0000	9.03	
	35 Chloroform +	83	5.233	5.233	(0.826)	373764	10.0000	9.59	
	36 Carbon Tetrachloride	117	5.370	5.370	(0.848)	308400	10.0000	9.98	
$	40 Dibromofluoromethane	111	5.440	5.440	(0.859)	182907	10.0000	9.55	9458
	41 1,1,1-Trichloroethane	97	5.451	5.451	(0.860)	357152	10.0000	9.91	
	43 1,1-Dichloropropene	75	5.588	5.588	(0.882)	177573	10.0000	8.98	
	44 2-Butanone	43	5.596	5.596	(0.883)	55066	10.0000	8.09	(M2)
	46 Benzene	78	5.864	5.864	(0.926)	613265	10.0000	10.0	
$	50 1,2-Dichloroethane-d4	67	6.025	6.025	(0.951)	113758	10.0000	10.3	
	51 1,2-Dichloroethane	62	6.095	6.095	(0.962)	293791	10.0000	9.48	
*	53 FLUOROBENZENE	96	6.335	6.335	(1.000)	2919986	50.0000		
	55 Methyl Cyclohexane	83	6.502	6.502	(1.026)	263686	10.0000	9.49	9124
	56 Trichloroethene	130	6.522	6.522	(1.029)	232941	10.0000	9.64	
	57 Dibromomethane	93	6.999	6.999	(1.105)	101561	10.0000	9.60	
	59 1,2-Dichloropropane +	63	7.113	7.113	(1.123)	127230	10.0000	9.32	
	60 Bromodichloromethane	83	7.194	7.194	(1.136)	270150	10.0000	10.2	
	64 2-Chloroethyl vinyl ether	63	7.899	7.899	(1.247)	31068	10.0000	8.98	
	65 1-Bromo-2-chloroethane	144	7.738	7.738	(1.221)	34954	10.0000	9.07	8436
	67 cis-1,3-Dichloropropene	75	7.950	7.950	(1.255)	220051	10.0000	8.73	
$	68 Toluene-d8	98	8.170	8.170	(0.821)	544522	10.0000	9.95	
	69 Toluene +	91	8.228	8.228	(0.827)	750174	10.0000	10.9	
	71 Tetrachloroethene	164	8.683	8.683	(0.872)	184751	10.0000	9.24	
	73 4-methyl-2-pentanone	43	8.719	8.719	(1.376)	82941	10.0000	8.87	
	74 trans-1,3-Dichloropropene	75	8.742	8.742	(1.380)	223651	10.0000	8.77	
M	75 Total 1,2-Dichloroethene	61				452960	20.0000	19.9	
	76 1,1,2-Trichloroethane	97	8.931	8.931	(0.897)	161108	10.0000	9.24	
	78 Dibromochloromethane	129	9.135	9.135	(0.918)	188981	10.0000	8.70	
	79 1,3-Dichloropropane	76	9.255	9.255	(0.930)	232812	10.0000	9.59	
	80 1,2-Dibromoethane(EDB)	107	9.397	9.397	(0.944)	147850	10.0000	9.39	
M	82 1-3 Dichloropropene total	100				443702	20.0000	17.5	0
	83 2-Hexanone	43	9.701	9.701	(0.975)	49679	10.0000	8.06	
*	84 CHLOROBENZENE-d5	82	9.955	9.955	(1.000)	1442589	50.0000		
	85 Chlorobenzene ++	112	9.969	9.969	(1.001)	611537	10.0000	10.2	
	86 1-Chlorohexane	91	9.977	9.977	(1.575)	222166	10.0000	9.40	7507(M2)
	87 Ethylbenzene +	106	10.019	10.019	(1.006)	314637	10.0000	9.93	
	88 1,1,1,2-Tetrachloroethane	133	10.041	10.041	(1.009)	231764	10.0000	9.66	
	89 p,m-Xylene	106	10.164	10.164	(1.021)	717621	20.0000	17.8	
	90 o-Xylene	106	10.571	10.571	(1.062)	288475	10.0000	8.71	

168777

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
91	Styrene	104	10.616	10.616	(1.066)	535320	10.0000	9.58	
92	Bromoform ++	173	10.624	10.624	(1.067)	169914	10.0000	9.16	
93	Isopropylbenzene	105	10.858	10.858	(1.091)	803607	10.0000	8.24	
$ 95	Bromofluorobenzene	174	11.092	11.092	(1.114)	282497	10.0000	9.59	
96	Bromobenzene	77	11.173	11.173	(0.931)	338026	10.0000	10.2	(M2)
97	n-Propylbenzene	91	11.215	11.215	(0.935)	998105	10.0000	8.27	
98	1,1,2,2-Tetrachloroethane++	83	11.276	11.276	(0.940)	182279	10.0000	9.79	
99	2-Chlorotoluene	91	11.335	11.335	(0.945)	600786	10.0000	8.77	
100	1,2,3-Trichloropropane	75	11.380	11.380	(0.948)	186727	10.0000	9.62	
102	1,3,5-Trimethylbenzene	105	11.385	11.385	(0.949)	836295	10.0000	8.62	
101	trans-1,4-Dichloro-2-Butene	53	11.424	11.424	(0.952)	19181	10.0000	9.40	
104	4-Chlorotoluene	91	11.474	11.474	(0.956)	679152	10.0000	8.87	
105	tert-butylbenzene	91	11.639	11.639	(0.970)	446212	10.0000	9.01	
107	1,2,4-Trimethylbenzene	105	11.695	11.695	(0.975)	830835	10.0000	8.40	
108	sec-Butylbenzene	105	11.781	11.781	(0.982)	913249	10.0000	8.16	
110	p-Isopropyltoluene	119	11.898	11.898	(0.992)	797865	10.0000	7.94	
113	1,3-Dichlorobenzene	146	11.940	11.940	(0.995)	571057	10.0000	10.8	
* 114	1,4-DICHLOROBENZENE-D4	152	11.999	11.999	(1.000)	1850410	50.0000		
115	1,4-Dichlorobenzene	146	12.010	12.010	(1.001)	623163	10.0000	9.70	
117	n-Butylbenzene	91	12.219	12.219	(1.018)	633143	10.0000	11.0	
118	1,2-Dichlorobenzene	146	12.333	12.333	(1.028)	509350	10.0000	10.0	
119	1,2-Dibromo-3-Chloropropane	157	12.922	12.922	(1.077)	35852	10.0000	8.18	
120	Hexachlorobutadiene	225	13.385	13.385	(1.115)	157298	10.0000	9.96	
M 121	TOTAL XYLENE	106				1006096	30.0000	26.5	
122	1,2,4-Trichlorobenzene	180	13.404	13.404	(1.117)	272737	10.0000	8.60	
124	Naphthalene	128	13.638	13.638	(1.137)	446722	10.0000	7.80	
125	1,2,3-Trichlorobenzene	180	13.761	13.761	(1.147)	282519	10.0000	9.74	

QC Flag Legend

M2- Compound response manually integrated because Target system integrated incorrectly.

Data File: /var/chem/msv7.i/2071228p.s.b/c9275.d

Page 1

Date : 28-DEC-2007 21:23

Client ID: W7STD010

Instrument: msv7.i

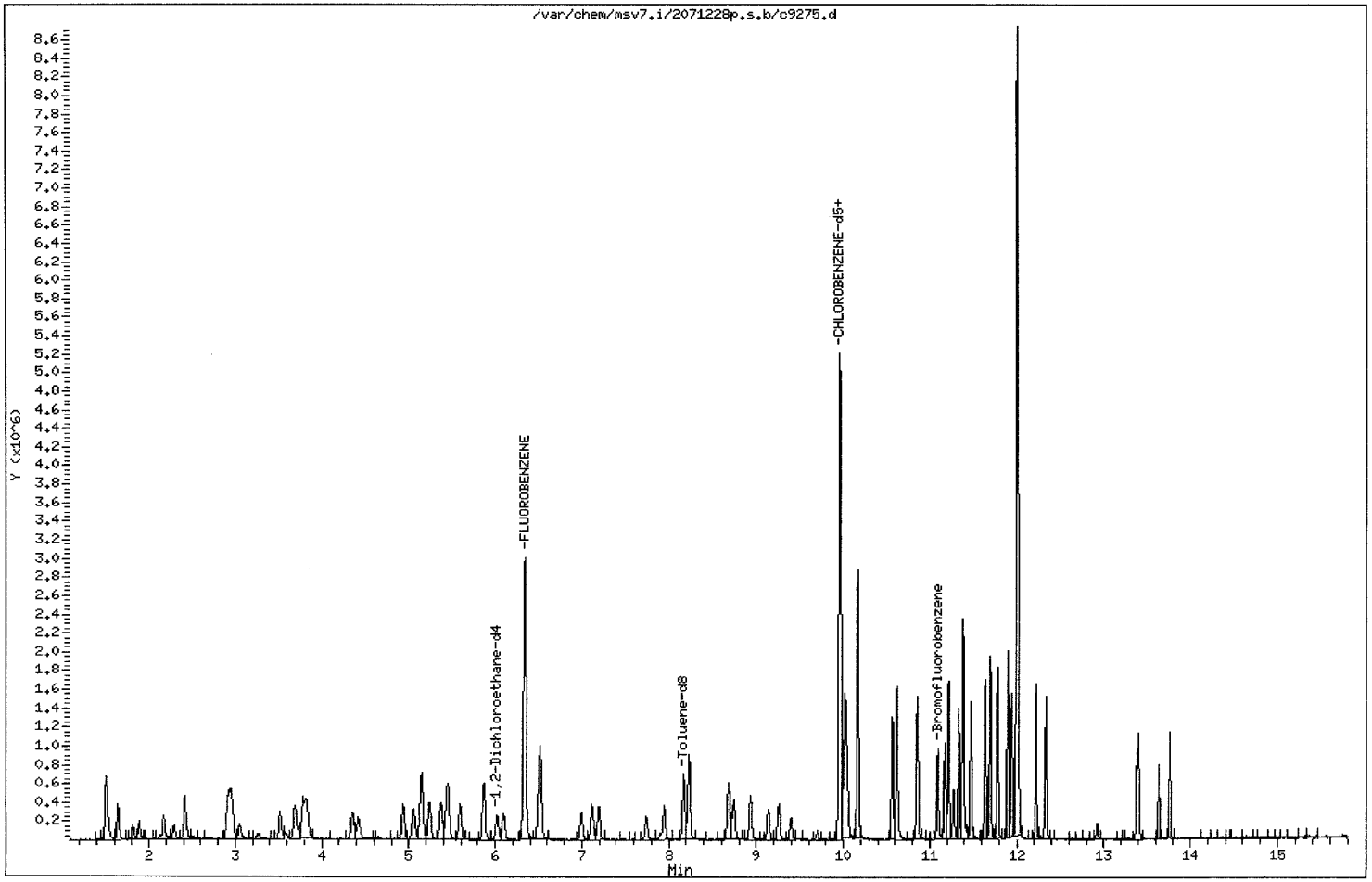
Sample Info: 1206*W7STD010

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-20M

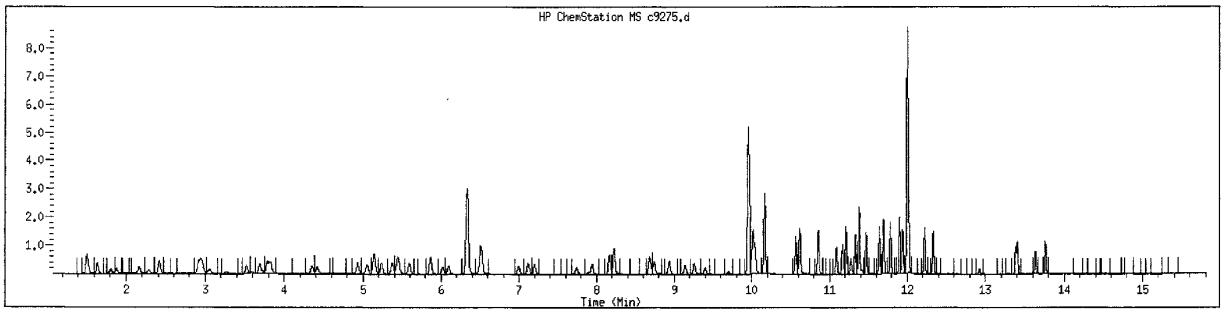
Column diameter: 0.18



Data file : /var/chem/msv7.i/2071228p.s.b/c9275.d Page: 1
Report Date: 12/29/2007 10:43

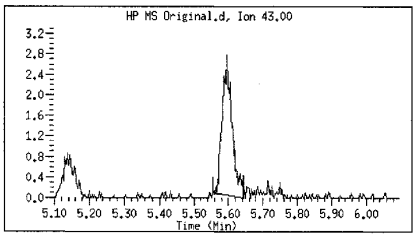
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1206 SampleType : CALIB_6
Injection Date: 12/28/2007 21:23 Instrument : msv7.i
Operator : EGW
Sample Info : 1206*V7STD010
Misc Info : MSV~12186~*1*EGW
Method : /var/chem/msv7.i/2071228p.s.b/8260bw7.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260b



Original Final

44 2-Butanone CAS#: 78-93-3 Reason: M2



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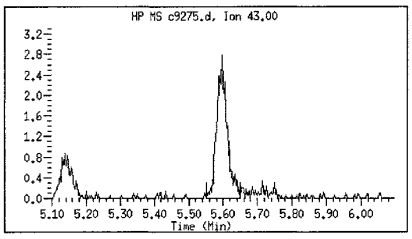
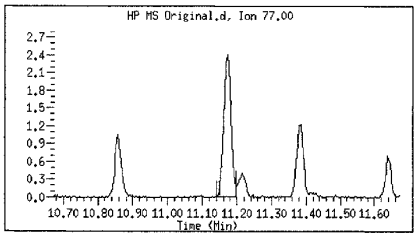
Date: 12/29/2007 09:05



96 Bromobenzene CAS#: 108-86-1 Reason: M2



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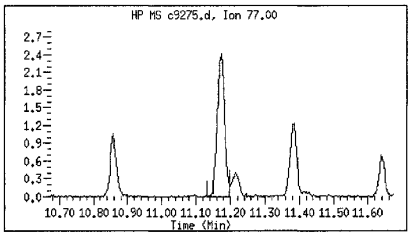
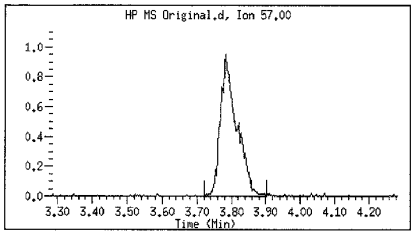
Date: 12/29/2007 09:00



168780

Original Final

20 Hexane CAS#: 110-54-3 Reason: M2



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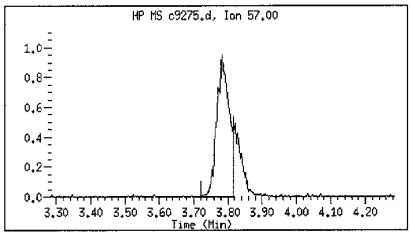
Date: 12/29/2007 08:56



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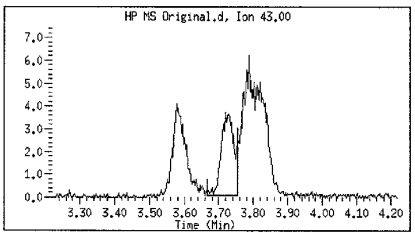
19 Methyl Acetate CAS#: 79-20-9 Reason: M2



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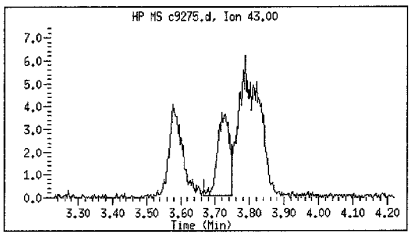

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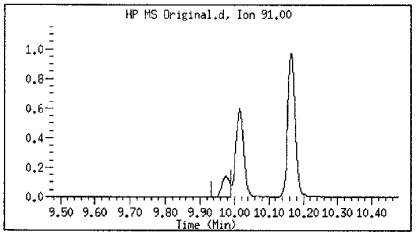
86 1-Chlorohexane CAS#: 544-10-5 Reason: M2



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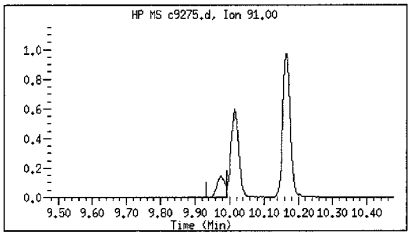
User: egw
Date: 12/29/2007 08:56



M2 - Target system integrated incorrectly

168781

GCAL, Inc.

Data file : /var/chem/msv7.i/2071228p.s.b/c9276.d
Lab Smp Id: 1202 Client Smp ID: V7STD020
Inj Date : 28-DEC-2007 21:45
Operator : EGW Inst ID: msv7.i
Smp Info : 1202*V7STD020
Misc Info : MSV~12186~*1*EGW
Comment :
Method : /var/chem/msv7.i/2071228p.s.b/8260bw7.m
Meth Date : 29-Dec-2007 10:43 egw Quant Type: ISTD
Cal Date : 28-DEC-2007 21:45 Cal File: c9276.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.639	1.639	(0.259)	689410	20.0000	20.5	
2 Chloromethane ++	50	1.809	1.809	(0.286)	316155	20.0000	18.2	
3 Vinyl Chloride +	62	1.881	1.881	(0.297)	388354	20.0000	19.7	
6 Bromomethane	94	2.169	2.169	(0.342)	301938	20.0000	19.2	
7 Chloroethane	64	2.283	2.283	(0.360)	248763	20.0000	18.5	
8 Trichlorofluoromethane	101	2.420	2.420	(0.382)	823897	20.0000	18.5	
10 1,1-Dichloroethene +	96	2.910	2.910	(0.459)	306959	20.0000	18.9	
11 Carbon Disulfide	76	2.930	2.930	(0.463)	867248	20.0000	18.8	
12 1,1,2Trichlotrifluoroethane	101	2.958	2.958	(0.467)	443098	20.0000	19.9	
13 Methyl Iodide	142	3.053	3.053	(0.482)	519559	20.0000	19.4	
14 Acrolein	56	3.265	3.265	(0.515)	132492	100.000	94.5	
16 Methylene Chloride	49	3.521	3.521	(0.556)	334553	20.0000	18.4	
17 Acetone	43	3.588	3.588	(0.566)	166011	20.0000	17.8	
18 trans-1,2-Dichloroethene	61	3.689	3.689	(0.582)	418225	20.0000	18.0	

168782

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	19 Methyl Acetate	43	3.730	3.730	(0.589)	189360	20.0000	19.9	2183(H)
	20 Hexane	57	3.786	3.786	(0.598)	437505	20.0000	17.6	9388(M2)
	21 MTBE	73	3.822	3.822	(0.603)	1051616	20.0000	18.2	9573
	26 1,1-Dichloroethane ++	63	4.358	4.358	(0.688)	619712	20.0000	19.3	
	27 Acrylonitrile	53	4.422	4.422	(0.698)	470080	100.000	97.1	
	28 Vinyl Acetate	43	4.656	4.656	(0.735)	68944	20.0000	16.3	
	29 cis-1,2-Dichloroethene	61	4.938	4.938	(0.779)	453899	20.0000	19.0	
	30 2,2-Dichloropropane	77	5.052	5.052	(0.797)	624691	20.0000	18.8	
	32 Cyclohexane	56	5.144	5.144	(0.812)	501647	20.0000	20.8	8961
	34 Bromochloromethane	128	5.150	5.150	(0.813)	229221	20.0000	20.3	
	35 Chloroform +	83	5.239	5.239	(0.827)	764539	20.0000	19.0	
	36 Carbon Tetrachloride	117	5.376	5.376	(0.849)	629350	20.0000	19.7	
$	40 Dibromofluoromethane	111	5.437	5.437	(0.858)	393624	20.0000	19.9	9537
	41 1,1,1-Trichloroethane	97	5.451	5.451	(0.860)	725934	20.0000	19.5	
	43 1,1-Dichloropropene	75	5.593	5.593	(0.883)	417406	20.0000	20.4	
	44 2-Butanone	43	5.596	5.596	(0.883)	138258	20.0000	20.3	
	46 Benzene	78	5.866	5.866	(0.926)	1292661	20.0000	20.4	
$	50 1,2-Dichloroethane-d4	67	6.023	6.023	(0.951)	226485	20.0000	19.8	
	51 1,2-Dichloroethane	62	6.092	6.092	(0.962)	591836	20.0000	18.5	
*	53 FLUOROBENZENE	96	6.335	6.335	(1.000)	3016949	50.0000		
	55 Methyl Cyclohexane	83	6.502	6.502	(1.026)	560488	20.0000	19.3	9191
	56 Trichloroethene	130	6.522	6.522	(1.029)	483929	20.0000	19.4	
	57 Dibromomethane	93	6.996	6.996	(1.104)	210445	20.0000	19.3	
	59 1,2-Dichloropropane +	63	7.121	7.121	(1.124)	278363	20.0000	19.7	
	60 Bromodichloromethane	83	7.194	7.194	(1.136)	546178	20.0000	20.0	
	64 2-Chloroethyl vinyl ether	63	7.899	7.899	(1.247)	78441	20.0000	17.3	
	65 1-Bromo-2-chloroethane	144	7.743	7.743	(1.222)	76456	20.0000	19.2	8808
	67 cis-1,3-Dichloropropene	75	7.944	7.944	(1.254)	528794	20.0000	19.2	
$	68 Toluene-d8	98	8.167	8.167	(0.820)	1157184	20.0000	20.0	
	69 Toluene +	91	8.231	8.231	(0.827)	1548097	20.0000	21.3	
	71 Tetrachloroethene	164	8.683	8.683	(0.872)	398756	20.0000	18.8	
	73 4-methyl-2-pentanone	43	8.719	8.719	(1.376)	210694	20.0000	18.1	
	74 trans-1,3-Dichloropropene	75	8.742	8.742	(1.380)	536921	20.0000	19.0	
M	75 Total 1,2-Dichloroethene	61				872124	40.0000	37.0	
	76 1,1,2-Trichloroethane	97	8.931	8.931	(0.897)	341282	20.0000	18.5	
	78 Dibromochloromethane	129	9.138	9.138	(0.918)	433701	20.0000	18.8	
	79 1,3-Dichloropropane	76	9.257	9.257	(0.930)	510108	20.0000	19.8	
	80 1,2-Dibromoethane(EDB)	107	9.397	9.397	(0.944)	333756	20.0000	20.0	
M	82 1-3 Dichloropropene total	100				1065715	40.0000	38.2	0
	83 2-Hexanone	43	9.698	9.698	(0.974)	131777	20.0000	16.5	
*	84 CHLOROBENZENE-d5	82	9.955	9.955	(1.000)	1528656	50.0000		
	85 Chlorobenzene ++	112	9.969	9.969	(1.001)	1192741	20.0000	18.8	
	86 1-Chlorohexane	91	9.977	9.977	(1.575)	462284	20.0000	18.9	7471(M2)
	87 Ethylbenzene +	106	10.016	10.016	(1.006)	638869	20.0000	19.0	
	88 1,1,1,2-Tetrachloroethane	133	10.044	10.044	(1.009)	488270	20.0000	19.2	
	89 p,m-Xylene	106	10.167	10.167	(1.021)	1548976	40.0000	36.5	
	90 o-Xylene	106	10.568	10.568	(1.062)	686587	20.0000	18.4	

168783

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
91	Styrene	104	10.621	10.621	(1.067)	1200819	20.0000	20.8	
92	Bromoform ++	173	10.624	10.624	(1.067)	381802	20.0000	19.4	
93	Isopropylbenzene	105	10.858	10.858	(1.091)	1800482	20.0000	17.5	
$ 95	Bromofluorobenzene	174	11.092	11.092	(1.114)	608433	20.0000	19.5	
96	Bromobenzene	77	11.170	11.170	(0.931)	731197	20.0000	21.0	(M2)
97	n-Propylbenzene	91	11.215	11.215	(0.934)	2049157	20.0000	17.6	
98	1,1,2,2-Tetrachloroethane++	83	11.271	11.271	(0.939)	380586	20.0000	19.5	
99	2-Chlorotoluene	91	11.332	11.332	(0.944)	1305218	20.0000	18.5	
100	1,2,3-Trichloropropane	75	11.380	11.380	(0.948)	418317	20.0000	20.5	
102	1,3,5-Trimethylbenzene	105	11.382	11.382	(0.948)	1735335	20.0000	17.9	
101	trans-1,4-Dichloro-2-Butene	53	11.424	11.424	(0.952)	46172	20.0000	17.0	
104	4-Chlorotoluene	91	11.472	11.472	(0.956)	1406694	20.0000	18.1	
105	tert-butylbenzene	91	11.639	11.639	(0.970)	965998	20.0000	18.3	
107	1,2,4-Trimethylbenzene	105	11.697	11.697	(0.975)	1742935	20.0000	17.9	
108	sec-Butylbenzene	105	11.781	11.781	(0.982)	1914628	20.0000	17.6	
110	p-Isopropyltoluene	119	11.898	11.898	(0.991)	1764336	20.0000	17.7	
113	1,3-Dichlorobenzene	146	11.940	11.940	(0.995)	1123582	20.0000	20.3	
* 114	1,4-DICHLOROBENZENE-D4	152	12.001	12.001	(1.000)	1941176	50.0000		
115	1,4-Dichlorobenzene	146	12.013	12.013	(1.001)	1213660	20.0000	19.0	
117	n-Butylbenzene	91	12.219	12.219	(1.018)	1339753	20.0000	22.3	
118	1,2-Dichlorobenzene	146	12.333	12.333	(1.028)	1071304	20.0000	20.1	
119	1,2-Dibromo-3-Chloropropane	157	12.927	12.927	(1.077)	88842	20.0000	17.3	
120	Hexachlorobutadiene	225	13.382	13.382	(1.115)	321656	20.0000	19.4	
M 121	TOTAL XYLENE	106				2235563	60.0000	55.0	
122	1,2,4-Trichlorobenzene	180	13.404	13.404	(1.117)	666889	20.0000	19.6	
124	Naphthalene	128	13.638	13.638	(1.136)	1124915	20.0000	18.0	
125	1,2,3-Trichlorobenzene	180	13.764	13.764	(1.147)	635923	20.0000	20.9	

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

168784

Data File: /var/chem/msv7.i/2071228p.s.b/c9276.d

Page 1

Date : 28-DEC-2007 21:45

Client ID: W7STD020

Instrument: msv7.i

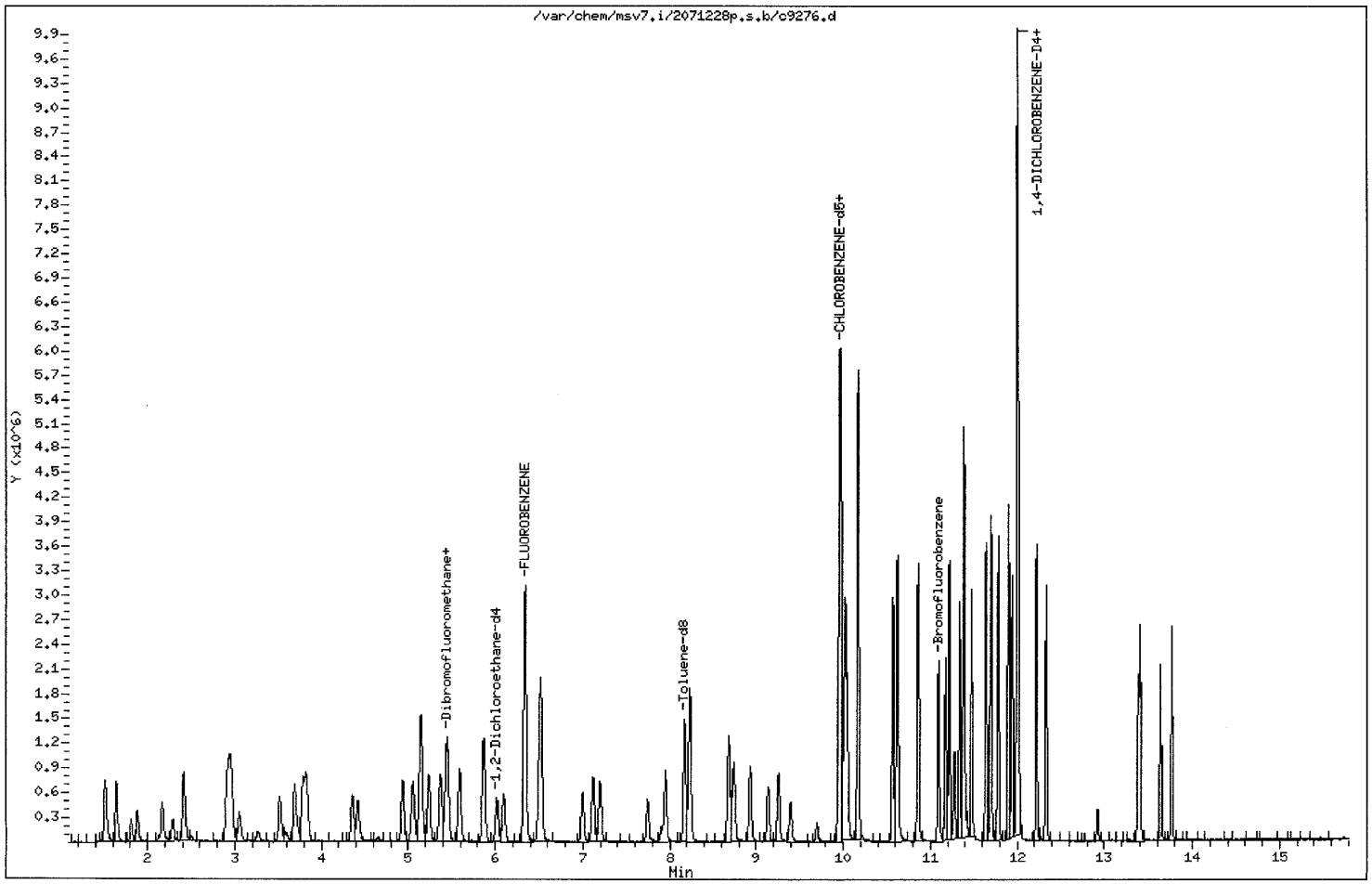
Sample Info: 1202*W7STD020

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-20M

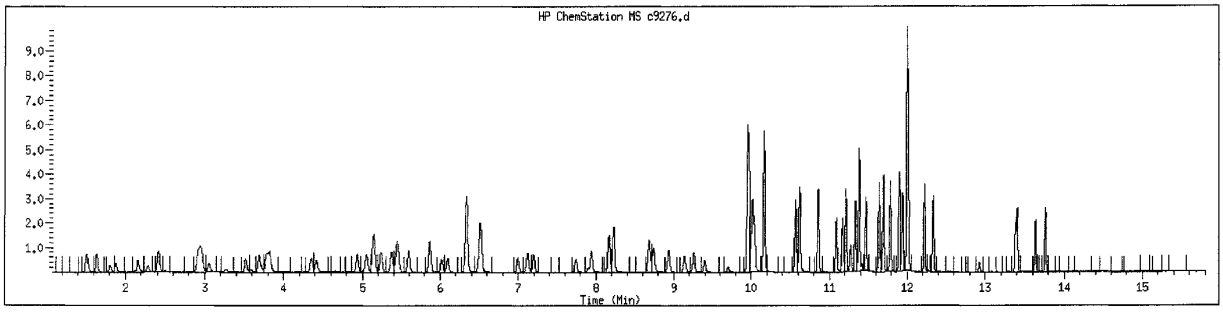
Column diameter: 0.18



Data file : /var/chem/msv7.i/2071228p.s.b/c9276.d Page: 1
Report Date: 12/29/2007 10:43

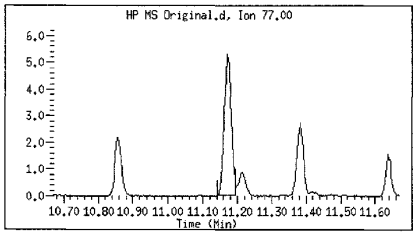
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1202 SampleType : CALIB_2
Injection Date: 12/28/2007 21:45 Instrument : msv7.i
Operator : EGW
Sample Info : 1202*V7STD020
Misc Info : MSV~12186~*1*EGW
Method : /var/chem/msv7.i/2071228p.s.b/8260bw7.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260b



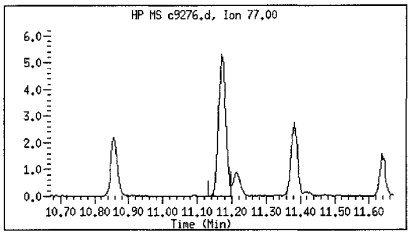
Original Final

96 Bromobenzene CAS#: 108-86-1 Reason: M2

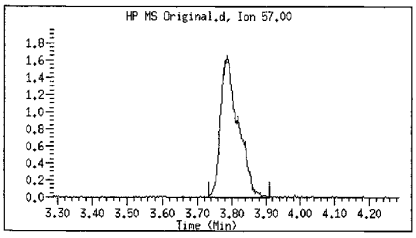


Electronic Signature Applied

User: egw
Date: 12/29/2007 08:59

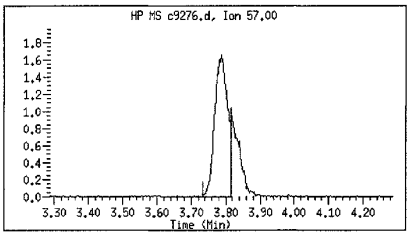


20 Hexane CAS#: 110-54-3 Reason: M2



Electronic Signature Applied

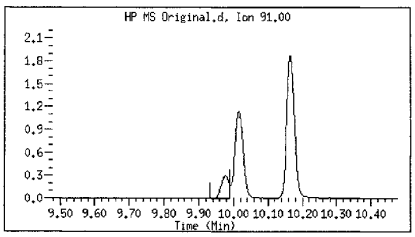
User: egw
Date: 12/29/2007 08:55



168786

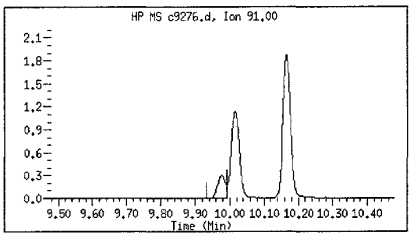
Original Final

86 1-Chlorohexane CAS#: 544-10-5 Reason: M2



Electronic Signature Applied

User: egw
Date: 12/29/2007 08:55



M2 - Target system integrated incorrectly

168787

GCAL, Inc.

Data file : /var/chem/msv7.i/2071228p.s.b/c9277.d
Lab Smp Id: 1203 Client Smp ID: V7STD050
Inj Date : 28-DEC-2007 22:07
Operator : EGW Inst ID: msv7.i
Smp Info : 1203*V7STD050
Misc Info : MSV~12186~*1*EGW
Comment :
Method : /var/chem/msv7.i/2071228p.s.b/8260bw7.m
Meth Date : 29-Dec-2007 10:43 egw Quant Type: ISTD
Cal Date : 28-DEC-2007 22:07 Cal File: c9277.d
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.642	1.642	(0.259)	1715746	50.0000	49.9	
2 Chloromethane ++	50	1.809	1.809	(0.286)	790133	50.0000	44.5	
3 Vinyl Chloride +	62	1.881	1.881	(0.297)	996128	50.0000	49.5	
6 Bromomethane	94	2.169	2.169	(0.342)	771299	50.0000	49.3	
7 Chloroethane	64	2.283	2.283	(0.360)	645994	50.0000	46.9	
8 Trichlorofluoromethane	101	2.417	2.417	(0.382)	2086023	50.0000	45.8	
10 1,1-Dichloroethene +	96	2.905	2.905	(0.459)	811107	50.0000	48.9	
11 Carbon Disulfide	76	2.930	2.930	(0.463)	2320447	50.0000	49.1	
12 1,1,2Trichlotrifluoroethane	101	2.952	2.952	(0.466)	1154408	50.0000	50.8	
13 Methyl Iodide	142	3.050	3.050	(0.481)	1552352	50.0000	56.7	
14 Acrolein	56	3.270	3.270	(0.516)	347713	250.000	243	
16 Methylene Chloride	49	3.516	3.516	(0.555)	876657	50.0000	47.1	
17 Acetone	43	3.588	3.588	(0.566)	358410	50.0000	50.1	
18 trans-1,2-Dichloroethene	61	3.694	3.694	(0.583)	1088715	50.0000	45.8	

168788

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	19 Methyl Acetate	43	3.725	3.725	(0.588)	466044	50.0000	47.5	2178(M2H)
	20 Hexane	57	3.780	3.780	(0.597)	1217968	50.0000	48.0	9524(M2)
	21 MTBE	73	3.825	3.825	(0.604)	2738912	50.0000	46.3	9644
	26 1,1-Dichloroethane ++	63	4.355	4.355	(0.687)	1562268	50.0000	47.5	
	27 Acrylonitrile	53	4.422	4.422	(0.698)	1241364	250.000	251	
	28 Vinyl Acetate	43	4.651	4.651	(0.734)	294771	50.0000	51.4	
	29 cis-1,2-Dichloroethene	61	4.935	4.935	(0.779)	1180134	50.0000	48.4	
	30 2,2-Dichloropropane	77	5.055	5.055	(0.798)	1664052	50.0000	49.0	
	32 Cyclohexane	56	5.139	5.139	(0.811)	1381968	50.0000	56.0	8983
	34 Bromochloromethane	128	5.147	5.147	(0.812)	588685	50.0000	50.9	
	35 Chloroform +	83	5.242	5.242	(0.827)	1940669	50.0000	47.1	
	36 Carbon Tetrachloride	117	5.376	5.376	(0.849)	1675771	50.0000	51.3	(M2)
$	40 Dibromofluoromethane	111	5.437	5.437	(0.858)	1035324	50.0000	51.2	9618
	41 1,1,1-Trichloroethane	97	5.454	5.454	(0.861)	1890675	50.0000	49.7	
	43 1,1-Dichloropropene	75	5.596	5.596	(0.883)	1227590	50.0000	58.8	
	44 2-Butanone	43	5.599	5.599	(0.884)	360933	50.0000	52.4	
	46 Benzene	78	5.866	5.866	(0.926)	3289914	50.0000	50.8	
$	50 1,2-Dichloroethane-d4	67	6.023	6.023	(0.951)	572072	50.0000	48.9	
	51 1,2-Dichloroethane	62	6.092	6.092	(0.962)	1558103	50.0000	47.6	
*	53 FLUOROBENZENE	96	6.335	6.335	(1.000)	3084893	50.0000		
	55 Methyl Cyclohexane	83	6.502	6.502	(1.026)	1590878	50.0000	53.0	9389
	56 Trichloroethene	130	6.522	6.522	(1.029)	1251486	50.0000	49.0	
	57 Dibromomethane	93	6.993	6.993	(1.104)	525785	50.0000	47.1	
	59 1,2-Dichloropropane +	63	7.116	7.116	(1.123)	748225	50.0000	51.9	
	60 Bromodichloromethane	83	7.197	7.197	(1.136)	1444297	50.0000	51.6	
	64 2-Chloroethyl vinyl ether	63	7.897	7.897	(1.246)	292714	50.0000	51.3	
	65 1-Bromo-2-chloroethane	144	7.740	7.740	(1.222)	222226	50.0000	54.6	8887
	67 cis-1,3-Dichloropropene	75	7.944	7.944	(1.254)	1485052	50.0000	51.3	
$	68 Toluene-d8	98	8.167	8.167	(0.820)	3116676	50.0000	54.3	
	69 Toluene +	91	8.231	8.231	(0.827)	3976289	50.0000	55.2	
	71 Tetrachloroethene	164	8.683	8.683	(0.872)	1127719	50.0000	53.7	
	73 4-methyl-2-pentanone	43	8.716	8.716	(1.376)	657319	50.0000	50.0	
	74 trans-1,3-Dichloropropene	75	8.741	8.741	(1.380)	1505580	50.0000	50.4	
M	75 Total 1,2-Dichloroethene	61				2268849	100.000	94.2	
	76 1,1,2-Trichloroethane	97	8.931	8.931	(0.897)	894661	50.0000	48.9	
	78 Dibromochloromethane	129	9.135	9.135	(0.918)	1183201	50.0000	51.9	
	79 1,3-Dichloropropane	76	9.255	9.255	(0.930)	1433326	50.0000	56.3	
	80 1,2-Dibromoethane(EDB)	107	9.394	9.394	(0.944)	902397	50.0000	54.6	
M	82 1-3 Dichloropropene total	100				2990632	100.000	102	0
	83 2-Hexanone	43	9.698	9.698	(0.974)	447872	50.0000	50.7	
*	84 CHLOROBENZENE-d5	82	9.955	9.955	(1.000)	1514117	50.0000		
	85 Chlorobenzene ++	112	9.971	9.971	(1.002)	2968111	50.0000	47.3	
	86 1-Chlorohexane	91	9.977	9.977	(1.575)	1261690	50.0000	50.5	7659(M2)
	87 Ethylbenzene +	106	10.016	10.016	(1.006)	1713071	50.0000	51.5	
	88 1,1,1,2-Tetrachloroethane	133	10.041	10.041	(1.009)	1301993	50.0000	51.7	
	89 p,m-Xylene	106	10.166	10.166	(1.021)	3843354	100.000	104	
	90 o-Xylene	106	10.568	10.568	(1.062)	1909990	50.0000	51.4	

168789

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
91	Styrene	104	10.621	10.621	(1.067)	3131041	50.0000	55.3	
92	Bromoform ++	173	10.624	10.624	(1.067)	1102431	50.0000	56.6	
93	Isopropylbenzene	105	10.855	10.855	(1.090)	4490398	50.0000	53.0	
$ 95	Bromofluorobenzene	174	11.090	11.090	(1.114)	1637215	50.0000	53.0	
96	Bromobenzene	77	11.170	11.170	(0.931)	1920886	50.0000	52.7	(M2)
97	n-Propylbenzene	91	11.215	11.215	(0.935)	4842498	50.0000	53.5	
98	1,1,2,2-Tetrachloroethane++	83	11.276	11.276	(0.940)	1020447	50.0000	50.0	
99	2-Chlorotoluene	91	11.332	11.332	(0.944)	3275203	50.0000	51.9	
100	1,2,3-Trichloropropane	75	11.380	11.380	(0.948)	1044226	50.0000	49.1	
102	1,3,5-Trimethylbenzene	105	11.385	11.385	(0.949)	4216539	50.0000	52.7	
101	trans-1,4-Dichloro-2-Butene	53	11.421	11.421	(0.952)	158681	50.0000	48.0	
104	4-Chlorotoluene	91	11.474	11.474	(0.956)	3539145	50.0000	52.2	
105	tert-butylbenzene	91	11.639	11.639	(0.970)	2590059	50.0000	51.7	
107	1,2,4-Trimethylbenzene	105	11.695	11.695	(0.975)	4146468	50.0000	52.9	
108	sec-Butylbenzene	105	11.781	11.781	(0.982)	4565864	50.0000	53.5	
110	p-Isopropyltoluene	119	11.898	11.898	(0.992)	4272968	50.0000	53.4	
113	1,3-Dichlorobenzene	146	11.940	11.940	(0.995)	2846839	50.0000	49.3	
* 114	1,4-DICHLOROBENZENE-D4	152	11.999	11.999	(1.000)	2028237	50.0000		
115	1,4-Dichlorobenzene	146	12.013	12.013	(1.001)	2946082	50.0000	50.9	
117	n-Butylbenzene	91	12.219	12.219	(1.018)	3399592	50.0000	54.1	
118	1,2-Dichlorobenzene	146	12.333	12.333	(1.028)	2701654	50.0000	48.6	
119	1,2-Dibromo-3-Chloropropane	157	12.924	12.924	(1.077)	279713	50.0000	49.1	
120	Hexachlorobutadiene	225	13.385	13.385	(1.115)	902918	50.0000	52.1	
M 121	TOTAL XYLENE	106				5753344	150.000	155	
122	1,2,4-Trichlorobenzene	180	13.404	13.404	(1.117)	1911629	50.0000	53.2	
124	Naphthalene	128	13.636	13.636	(1.136)	3056805	50.0000	52.4	
125	1,2,3-Trichlorobenzene	180	13.764	13.764	(1.147)	1719316	50.0000	54.1	

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

168790

Data File: /var/chem/msv7.i/2071228p.s.b/c9277.d

Page 1

Date : 28-DEC-2007 22:07

Client ID: V7STD050

Instrument: msv7.i

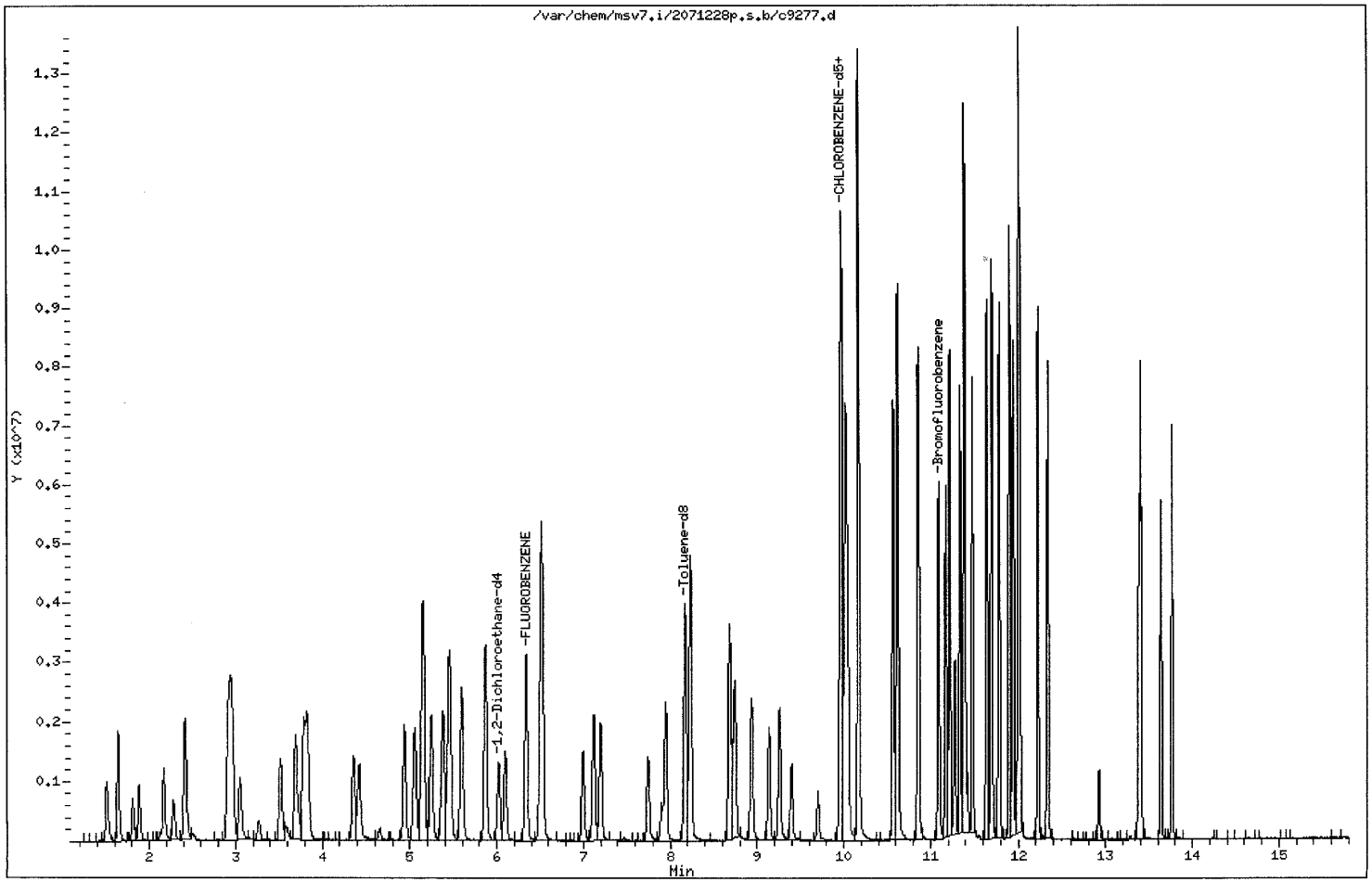
Sample Info: 1203*W7STD050

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-20M

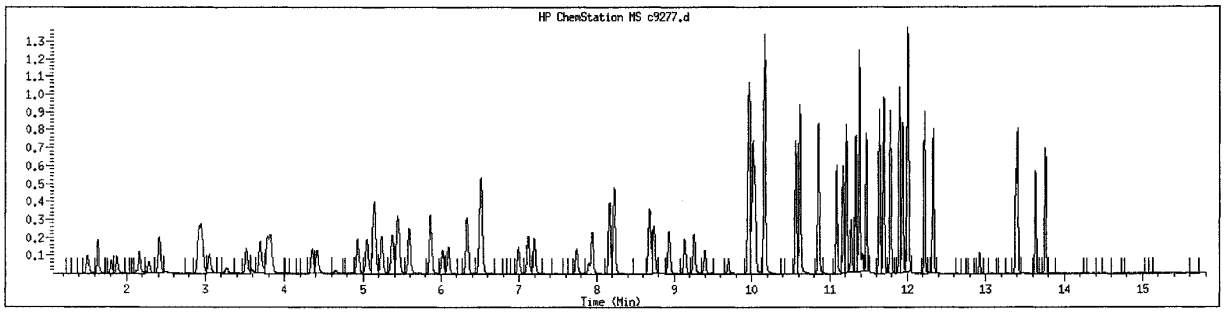
Column diameter: 0.18



Data file : /var/chem/msv7.i/2071228p.s.b/c9277.d Page: 1
Report Date: 12/29/2007 10:43

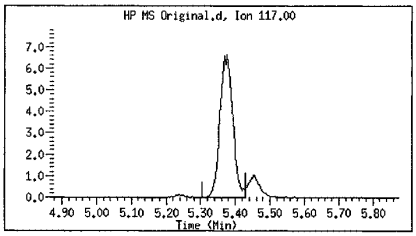
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1203 SampleType : CALIB_3
Injection Date: 12/28/2007 22:07 Instrument : msv7.i
Operator : EGW
Sample Info : 1203*V7STD050
Misc Info : MSV~12186~*1*EGW
Method : /var/chem/msv7.i/2071228p.s.b/8260bw7.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260b



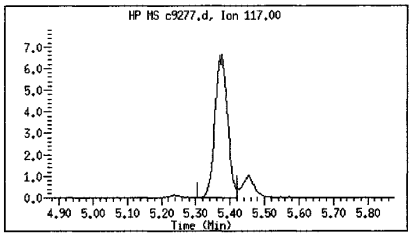
Original Final

36 Carbon Tetrachloride CAS#: 56-23-5 Reason: M2

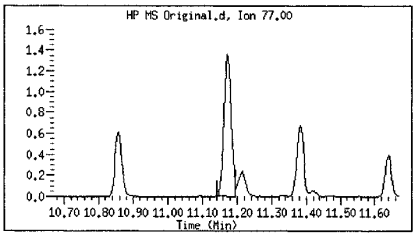


Electronic Signature
Applied

User: egw
Date: 12/29/2007 08:28



96 Bromobenzene CAS#: 108-86-1 Reason: M2



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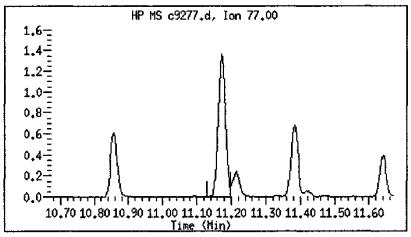
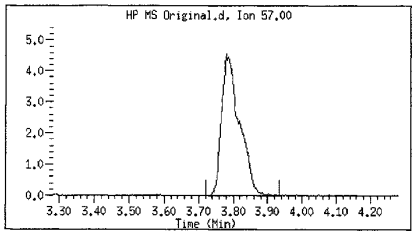
Date: 12/29/2007 08:32



168792

Original Final

20 Hexane CAS#: 110-54-3 Reason: M2



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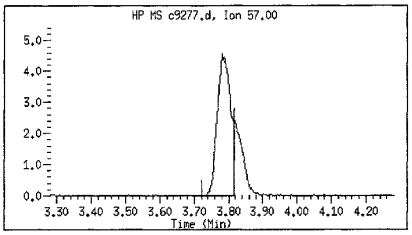
Date: 12/29/2007 08:30



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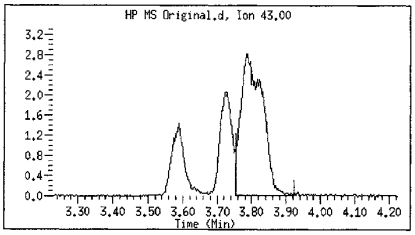
19 Methyl Acetate CAS#: 79-20-9 Reason: M2



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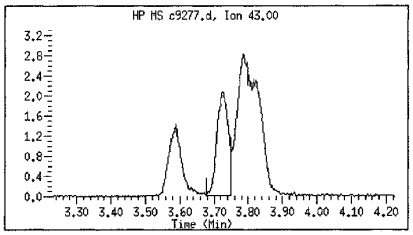

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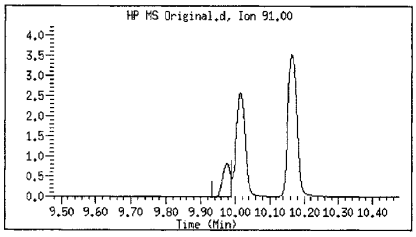
86 1-Chlorohexane CAS#: 544-10-5 Reason: M2



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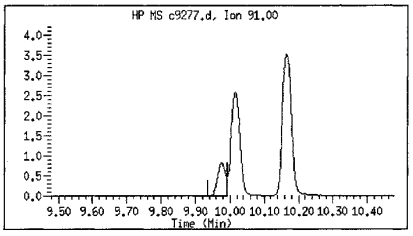
Date: 12/29/2007 08:30



M2 - Target system integrated incorrectly

GCAL, Inc.

Data file : /var/chem/msv7.i/2071228p.s.b/c9278.d
Lab Smp Id: 1204 Client Smp ID: V7STD100
Inj Date : 28-DEC-2007 22:29
Operator : EGW Inst ID: msv7.i
Smp Info : 1204*V7STD100
Misc Info : MSV~12186~*1*EGW
Comment :
Method : /var/chem/msv7.i/2071228p.s.b/8260bw7.m
Meth Date : 29-Dec-2007 10:43 egw Quant Type: ISTD
Cal Date : 28-DEC-2007 22:29 Cal File: c9278.d
Als bottle: 8 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.642	1.642	(0.259)	3045806	100.000	85.8	
2 Chloromethane ++	50	1.806	1.806	(0.285)	1653768	100.000	90.1	
3 Vinyl Chloride +	62	1.879	1.879	(0.297)	1907098	100.000	91.7	
6 Bromomethane	94	2.169	2.169	(0.342)	1606163	100.000	100	
7 Chloroethane	64	2.280	2.280	(0.360)	1342124	100.000	94.3	
8 Trichlorofluoromethane	101	2.411	2.411	(0.381)	3914782	100.000	83.3	
10 1,1-Dichloroethene +	96	2.905	2.905	(0.459)	1580009	100.000	92.2	
11 Carbon Disulfide	76	2.927	2.927	(0.462)	4464762	100.000	91.4	
12 1,1,2Trichlotrifluoroethane	101	2.949	2.949	(0.466)	2196414	100.000	93.5	
13 Methyl Iodide	142	3.050	3.050	(0.482)	3158302	100.000	112	
14 Acrolein	56	3.265	3.265	(0.516)	726165	500.000	490	
16 Methylene Chloride	49	3.518	3.518	(0.556)	1873827	100.000	97.4	
17 Acetone	43	3.585	3.585	(0.566)	672500	100.000	100	
18 trans-1,2-Dichloroethene	61	3.688	3.688	(0.583)	2305260	100.000	94.0	

168794

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	19 Methyl Acetate	43	3.725	3.725	(0.588)	1027855	100.000	101	2170(M2)
	20 Hexane	57	3.783	3.783	(0.597)	2516133	100.000	96.0	9558(M2)
	21 MTBE	73	3.825	3.825	(0.604)	5701916	100.000	93.3	9545
	26 1,1-Dichloroethane ++	63	4.352	4.352	(0.687)	3056822	100.000	90.0	
	27 Acrylonitrile	53	4.416	4.416	(0.697)	2479891	500.000	485	
	28 Vinyl Acetate	43	4.651	4.651	(0.734)	838544	100.000	99.8	
	29 cis-1,2-Dichloroethene	61	4.935	4.935	(0.779)	2347990	100.000	93.2	
	30 2,2-Dichloropropane	77	5.055	5.055	(0.798)	3061615	100.000	87.3	
	32 Cyclohexane	56	5.139	5.139	(0.811)	2644229	100.000	104	9047
	34 Bromochloromethane	128	5.144	5.144	(0.812)	1220522	100.000	102	
	35 Chloroform +	83	5.239	5.239	(0.827)	3790688	100.000	89.2	
	36 Carbon Tetrachloride	117	5.373	5.373	(0.849)	3270835	100.000	97.0	(M2)
$	40 Dibromofluoromethane	111	5.437	5.437	(0.859)	2032770	100.000	97.3	9476
	41 1,1,1-Trichloroethane	97	5.454	5.454	(0.861)	3616788	100.000	92.0	
	43 1,1-Dichloropropene	75	5.590	5.590	(0.883)	2479092	100.000	115	
	44 2-Butanone	43	5.599	5.599	(0.884)	699795	100.000	98.8	
	46 Benzene	78	5.864	5.864	(0.926)	6114296	100.000	91.4	
$	50 1,2-Dichloroethane-d4	67	6.020	6.020	(0.951)	1159926	100.000	95.9	
	51 1,2-Dichloroethane	62	6.092	6.092	(0.962)	3093708	100.000	91.5	
*	53 FLUOROBENZENE	96	6.332	6.332	(1.000)	3186329	50.0000		
	55 Methyl Cyclohexane	83	6.508	6.508	(1.028)	3065344	100.000	98.6	9322
	56 Trichloroethene	130	6.522	6.522	(1.030)	2469295	100.000	93.6	
	57 Dibromomethane	93	6.993	6.993	(1.104)	1081448	100.000	93.7	
	59 1,2-Dichloropropane +	63	7.116	7.116	(1.124)	1603205	100.000	108	
	60 Bromodichloromethane	83	7.197	7.197	(1.137)	2917309	100.000	101	
	64 2-Chloroethyl vinyl ether	63	7.899	7.899	(1.248)	704046	100.000	99.8	
	65 1-Bromo-2-chloroethane	144	7.749	7.749	(1.224)	457022	100.000	109	8814
	67 cis-1,3-Dichloropropene	75	7.947	7.947	(1.255)	3000169	100.000	99.6	
$	68 Toluene-d8	98	8.167	8.167	(0.820)	5876136	100.000	99.3	
	69 Toluene +	91	8.231	8.231	(0.827)	7200813	100.000	97.1	
	71 Tetrachloroethene	164	8.680	8.680	(0.872)	2256094	100.000	104	
	73 4-methyl-2-pentanone	43	8.719	8.719	(1.377)	1397681	100.000	100	
	74 trans-1,3-Dichloropropene	75	8.741	8.741	(1.381)	3115572	100.000	100	
M	75 Total 1,2-Dichloroethene	61				4653250	200.000	187	
	76 1,1,2-Trichloroethane	97	8.934	8.934	(0.897)	1809508	100.000	96.0	
	78 Dibromochloromethane	129	9.140	9.140	(0.918)	2492626	100.000	106	
	79 1,3-Dichloropropane	76	9.257	9.257	(0.930)	2875216	100.000	110	
	80 1,2-Dibromoethane(EDB)	107	9.397	9.397	(0.944)	1891511	100.000	111	
M	82 1-3 Dichloropropene total	100				6115741	200.000	200	0
	83 2-Hexanone	43	9.701	9.701	(0.974)	934121	100.000	100	
*	84 CHLOROBENZENE-d5	82	9.957	9.957	(1.000)	1559560	50.0000		
	85 Chlorobenzene ++	112	9.971	9.971	(1.001)	5364684	100.000	83.0	
	86 1-Chlorohexane	91	9.977	9.977	(1.576)	2365987	100.000	91.7	7695(M2)
	87 Ethylbenzene +	106	10.016	10.016	(1.006)	3281452	100.000	95.8	
	88 1,1,1,2-Tetrachloroethane	133	10.044	10.044	(1.009)	2611136	100.000	101	
	89 p,m-Xylene	106	10.169	10.169	(1.021)	6605016	200.000	199	
	90 o-Xylene	106	10.571	10.571	(1.062)	3704799	100.000	99.7	

168795

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	91 Styrene	104	10.618	10.618	(1.066)	5624728	100.000	96.9	
	92 Bromoform ++	173	10.624	10.624	(1.067)	2334926	100.000	116	
	93 Isopropylbenzene	105	10.858	10.858	(1.090)	7269155	100.000	99.0	
$	95 Bromofluorobenzene	174	11.092	11.092	(1.114)	3233368	100.000	102	
	96 Bromobenzene	77	11.173	11.173	(0.931)	3659000	100.000	96.1	(M2)
	97 n-Propylbenzene	91	11.215	11.215	(0.934)	7510320	100.000	98.7	
	98 1,1,2,2-Tetrachloroethane++	83	11.276	11.276	(0.940)	2059127	100.000	96.5	
	99 2-Chlorotoluene	91	11.335	11.335	(0.944)	5580380	100.000	99.4	
	100 1,2,3-Trichloropropane	75	11.382	11.382	(0.948)	2066357	100.000	92.9	
	102 1,3,5-Trimethylbenzene	105	11.385	11.385	(0.949)	6802921	100.000	99.1	
	101 trans-1,4-Dichloro-2-Butene	53	11.424	11.424	(0.952)	364865	100.000	101	
	104 4-Chlorotoluene	91	11.474	11.474	(0.956)	5913753	100.000	99.3	
	105 tert-butylbenzene	91	11.639	11.639	(0.970)	4613209	100.000	99.5	
	107 1,2,4-Trimethylbenzene	105	11.697	11.697	(0.975)	6587793	100.000	98.9	
	108 sec-Butylbenzene	105	11.781	11.781	(0.982)	7109911	100.000	98.7	
	110 p-Isopropyltoluene	119	11.898	11.898	(0.991)	6713726	100.000	98.7	
	113 1,3-Dichlorobenzene	146	11.940	11.940	(0.995)	5033689	100.000	83.4	
*	114 1,4-DICHLOROBENZENE-D4	152	12.001	12.001	(1.000)	2119722	50.0000		
	115 1,4-Dichlorobenzene	146	12.013	12.013	(1.001)	5194276	100.000	99.7	
	117 n-Butylbenzene	91	12.222	12.222	(1.018)	5560240	100.000	84.7	
	118 1,2-Dichlorobenzene	146	12.333	12.333	(1.028)	4795134	100.000	82.5	
	119 1,2-Dibromo-3-Chloropropane	157	12.927	12.927	(1.077)	610935	100.000	101	
	120 Hexachlorobutadiene	225	13.385	13.385	(1.115)	1777502	100.000	98.2	
M	121 TOTAL XYLENE	106				10309815	300.000	299	
	122 1,2,4-Trichlorobenzene	180	13.404	13.404	(1.117)	3711933	100.000	98.5	
	124 Naphthalene	128	13.636	13.636	(1.136)	5275784	100.000	99.3	
	125 1,2,3-Trichlorobenzene	180	13.764	13.764	(1.147)	3272613	100.000	98.5	

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

168796

Data File: /var/chem/msv7.i/2071228p.s.b/c9278.d

Page 1

Date : 28-DEC-2007 22:29

Client ID: V7STD100

Instrument: msv7.i

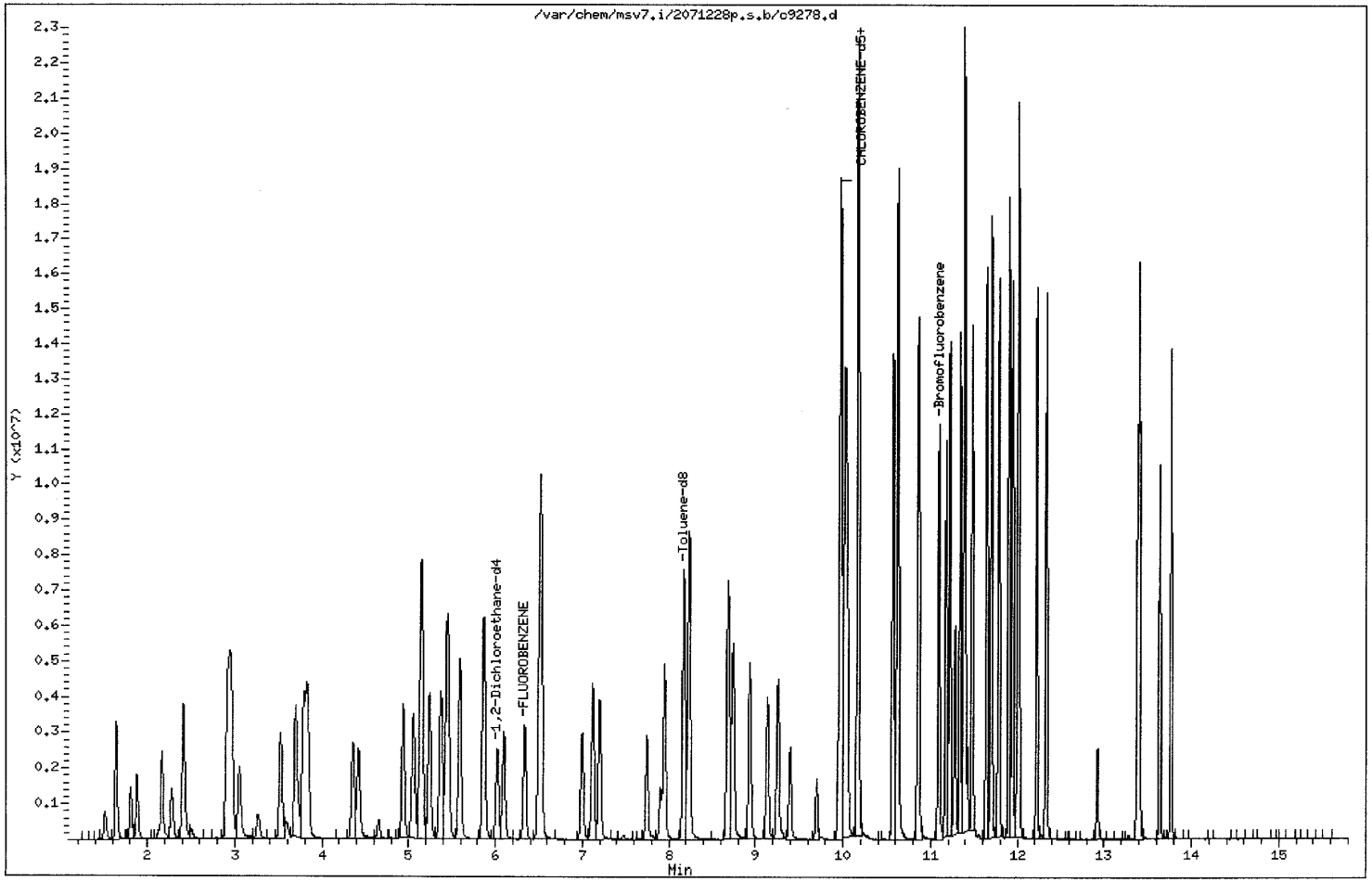
Sample Info: 1204*V7STD100

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-20M

Column diameter: 0.18



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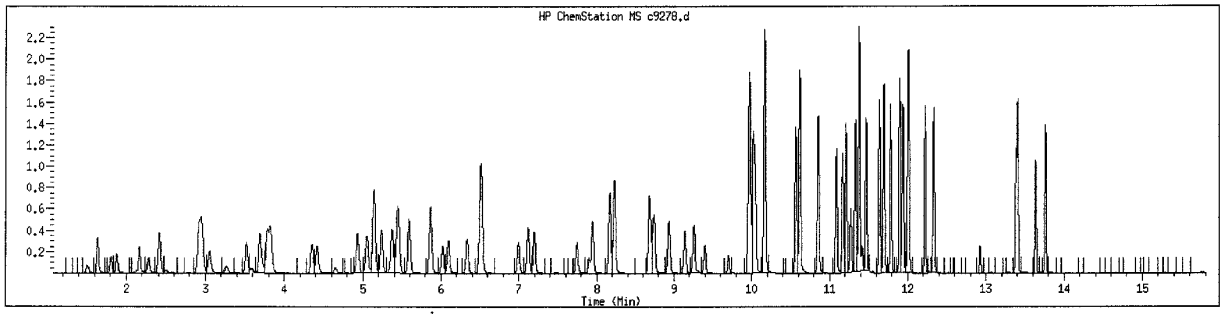
Report Date: 12/29/2007 10:43

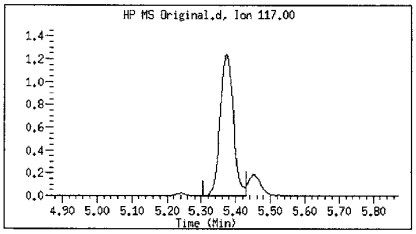
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1204 SampleType : CALIB_4
Injection Date: 12/28/2007 22:29 Instrument : msv7.i
Operator : EGW
Sample Info : 1204*V7STD100
Misc Info : MSV~12186~*1*EGW
Method : /var/chem/msv7.i/2071228p.s.b/8260bw7.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260b



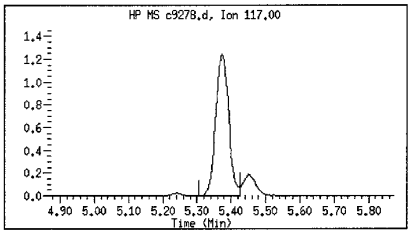
Original Final

36 Carbon Tetrachloride CAS#: 56-23-5 Reason: M2

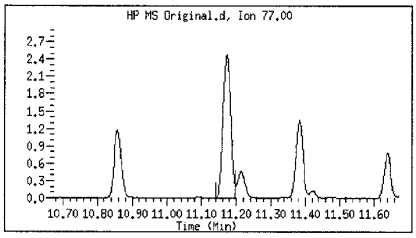


Electronic Signature Applied

User: egw
Date: 12/29/2007 08:38



96 Bromobenzene CAS#: 108-86-1 Reason: M2



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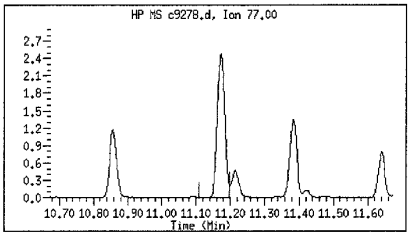
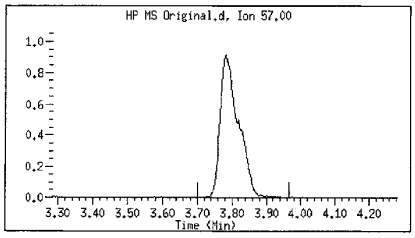
Date: 12/29/2007 08:58



168798

Original Final

20 Hexane CAS#: 110-54-3 Reason: M2



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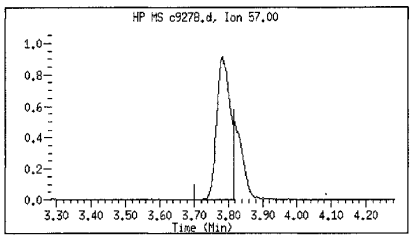
User: egw
Date: 12/29/2007 08:55



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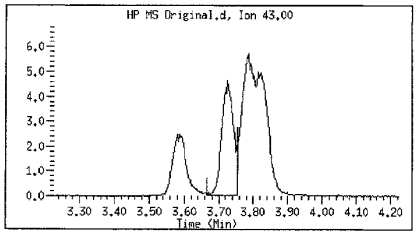
19 Methyl Acetate CAS#: 79-20-9 Reason: M2



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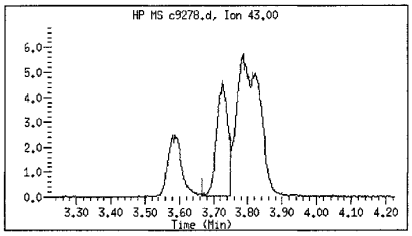
Date: 12/29/2007 08:33



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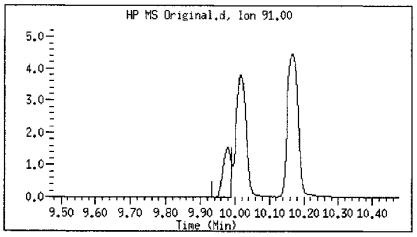
86 1-Chlorohexane CAS#: 544-10-5 Reason: M2



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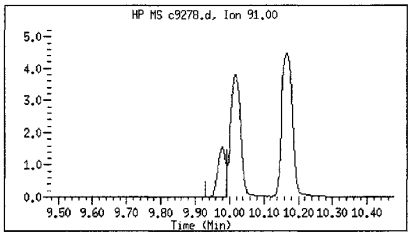
Date: 12/29/2007 08:55



M2 - Target system integrated incorrectly

168799

Data File: /var/chem/msv7.i/2071229.s.b/c9290.d Page 1
Report Date: 29-Dec-2007 18:11

GCAL, Inc.

RECOVERY REPORT

Client Name: Client SDG: 2071229.s
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: 1600 Client Smp ID: V7ICV050
Level: LOW Operator: EGW
Data Type: MS DATA SampleType: LCS
SpikeList File: ICV.spk Quant Type: ISTD
Sublist File: 8260b.sub
Method File: /var/chem/msv7.i/2071229.s.b/8260bw7.m
Misc Info: MSV~12186~*1*EGW

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1	Dichlorodifluoromethane	50.0	44.2	88.42	75-125
2	Chloromethane ++	50.0	48.6	97.24	75-125
3	Vinyl Chloride +	50.0	51.5	102.99	75-125
6	Bromomethane	50.0	57.9	115.89	75-125
7	Chloroethane	50.0	49.6	99.24	75-125
14	Acrolein	250	306	122.36	75-125
8	Trichlorofluoromethane	50.0	47.5	95.03	75-125
17	Acetone	50.0	63.6	127.29*	75-125
10	1,1-Dichloroethene +	50.0	62.1	124.23	75-125
13	Methyl Iodide	50.0	58.6	117.25	75-125
27	Acrylonitrile	250	220	87.90	75-125
16	Methylene Chloride	50.0	54.5	109.02	75-125
12	1,1,2Trichlotrifluoroethane	50.0	51.6	103.15	75-125
11	Carbon Disulfide	50.0	56.5	113.04	75-125
18	trans-1,2-Dichloroethene	50.0	56.4	112.85	75-125
21	MTBE	50.0	47.7	95.31	75-125
26	1,1-Dichloroethane ++	50.0	48.0	96.01	75-125
28	Vinyl Acetate	50.0	69.1	138.12*	75-125
44	2-Butanone	50.0	45.7	91.38	75-125
29	cis-1,2-Dichloroethene	50.0	47.8	95.59	75-125
34	Bromochloromethane	50.0	44.9	89.76	75-125
35	Chloroform +	50.0	44.2	88.47	75-125
30	2,2-Dichloropropane	50.0	49.6	99.14	75-125
51	1,2-Dichloroethane	50.0	47.0	94.09	75-125
41	1,1,1-Trichloroethane	50.0	49.9	99.74	75-125
43	1,1-Dichloropropene	50.0	59.3	118.58	75-125
32	Cyclohexane	50.0	48.6	97.23	75-125
36	Carbon Tetrachloride	50.0	52.0	104.08	75-125
46	Benzene	50.0	49.0	98.08	75-125
57	Dibromomethane	50.0	45.6	91.18	75-125
59	1,2-Dichloropropane +	50.0	53.1	106.12	75-125
56	Trichloroethene	50.0	49.2	98.38	75-125
60	Bromodichloromethane	50.0	51.2	102.36	75-125

168800

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
55	Methyl Cyclohexane	50.0	53.9	107.90	75-125
64	2-Chloroethyl vinyl ether	50.0	55.9	111.71	75-125
67	cis-1,3-Dichloropropene	50.0	50.9	101.82	75-125
73	4-methyl-2-pentanone	50.0	44.7	89.39	75-125
74	trans-1,3-Dichloropropene	50.0	48.9	97.89	75-125
76	1,1,2-Trichloroethane	50.0	45.5	90.91	75-125
69	Toluene +	50.0	54.5	109.08	75-125
79	1,3-Dichloropropane	50.0	54.3	108.68	75-125
78	Dibromochloromethane	50.0	50.8	101.64	75-125
83	2-Hexanone	50.0	49.2	98.34	75-125
80	1,2-Dibromoethane(EDB)	50.0	53.5	106.95	75-125
71	Tetrachloroethene	50.0	55.3	110.54	75-125
88	1,1,1,2-Tetrachloroethane	50.0	49.9	99.82	75-125
85	Chlorobenzene ++	50.0	46.8	93.63	75-125
87	Ethylbenzene +	50.0	50.4	100.75	75-125
92	Bromoform ++	50.0	54.3	108.65	75-125
89	p,m-Xylene	100	101	100.73	75-125
91	Styrene	50.0	52.8	105.63	75-125
98	1,1,2,2-Tetrachloroethane++	50.0	46.6	93.23	75-125
90	o-Xylene	50.0	48.8	97.52	75-125
100	1,2,3-Trichloropropane	50.0	46.7	93.38	75-125
101	trans-1,4-Dichloro-2-Butene	50.0	83.4	NT 166.71*	75-125
93	Isopropylbenzene	50.0	48.9	97.80	75-125
96	Bromobenzene	50.0	51.9	103.75	75-125
97	n-Propylbenzene	50.0	52.5	104.94	75-125
99	2-Chlorotoluene	50.0	50.7	101.41	75-125
104	4-Chlorotoluene	50.0	51.1	102.26	75-125
102	1,3,5-Trimethylbenzene	50.0	49.9	99.86	75-125
105	tert-butylbenzene	50.0	50.5	100.91	75-125
110	p-Isopropyltoluene	50.0	50.6	101.26	75-125
107	1,2,4-Trimethylbenzene	50.0	50.9	101.79	75-125
108	sec-Butylbenzene	50.0	52.4	104.76	75-125
113	1,3-Dichlorobenzene	50.0	49.0	97.92	75-125
115	1,4-Dichlorobenzene	50.0	51.2	102.30	75-125
118	1,2-Dichlorobenzene	50.0	47.5	95.01	75-125
117	n-Butylbenzene	50.0	54.1	108.25	75-125
119	1,2-Dibromo-3-Chloropropane	50.0	45.3	90.52	75-125
122	1,2,4-Trichlorobenzene	50.0	54.1	108.25	75-125
124	Naphthalene	50.0	48.5	96.93	75-125
120	Hexachlorobutadiene	50.0	51.4	102.72	75-125
125	1,2,3-Trichlorobenzene	50.0	51.2	102.39	75-125

	SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 40	Dibromofluoromethane	50.0	41.0	82.09	77-127

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 50 1,2-Dichloroethane-d4	50.0	40.8	81.60	71-127
$ 68 Toluene-d8	50.0	49.6	99.18	76-134
$ 95 Bromofluorobenzene	50.0	50.5	100.94	78-130

168802

GCAL, Inc.

Data file : /var/chem/msv7.i/2071229.s.b/c9290.d
Lab Smp Id: 1600 Client Smp ID: V7ICV050
Inj Date : 29-DEC-2007 11:51
Operator : EGW Inst ID: msv7.i
Smp Info : 1600*V7ICV050
Misc Info : MSV~12186~*1*EGW
Comment :
Method : /var/chem/msv7.i/2071229.s.b/8260bw7.m
Meth Date : 29-Dec-2007 14:46 egw Quant Type: ISTD
Cal Date : 28-DEC-2007 22:29 Cal File: c9278.d
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
1	Dichlorodifluoromethane	85	1.639	1.642	(0.259)	1516768	44.2116	44.2	
2	Chloromethane ++	50	1.804	1.812	(0.285)	862570	48.6206	48.6	
3	Vinyl Chloride +	62	1.879	1.887	(0.297)	1035481	51.4943	51.5	
6	Bromomethane	94	2.169	2.171	(0.343)	902118	57.9470	57.9	
7	Chloroethane	64	2.278	2.283	(0.360)	683000	49.6194	49.6	
8	Trichlorofluoromethane	101	2.411	2.414	(0.381)	2158692	47.5155	47.5	
10	1,1-Dichloroethene +	96	2.902	2.908	(0.458)	1029217	62.1147	62.1	
11	Carbon Disulfide	76	2.925	2.927	(0.462)	2668937	56.5219	56.5	
12	1,1,2Trichlotrifluoroethane	101	2.961	2.958	(0.468)	1171049	51.5746	51.6	
13	Methyl Iodide	142	3.044	3.050	(0.481)	1603638	58.6236	58.6	
14	Acrolein	56	3.262	3.270	(0.515)	437847	305.889	306	
16	Methylene Chloride	49	3.513	3.518	(0.555)	1013408	54.5104	54.5	
17	Acetone	43	3.583	3.580	(0.566)	436533	63.6436	63.6	(R)
18	trans-1,2-Dichloroethene	61	3.689	3.694	(0.583)	1338096	56.4253	56.4	

168803

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
	19 Methyl Acetate	43	3.725	3.725	(0.588)	499172	50.9198	50.9	2220
	20 Hexane	57	3.783	3.789	(0.597)	1749652	69.0357	69.0	9615
	21 MTBE	73	3.822	3.822	(0.604)	2815688	47.6546	47.7	9628
	26 1,1-Dichloroethane ++	63	4.350	4.352	(0.687)	1576978	48.0056	48.0	
	27 Acrylonitrile	53	4.416	4.419	(0.697)	1086148	219.738	220	
	28 Vinyl Acetate	43	4.653	4.653	(0.735)	435241	69.0599	69.1	(R)
	29 cis-1,2-Dichloroethene	61	4.935	4.938	(0.779)	1164545	47.7974	47.8	
	30 2,2-Dichloropropane	77	5.049	5.052	(0.797)	1679602	49.5687	49.6	
	32 Cyclohexane	56	5.139	5.141	(0.811)	1197812	48.6136	48.6	8882
	34 Bromochloromethane	128	5.144	5.141	(0.812)	518399	44.8790	44.9	
	35 Chloroform +	83	5.236	5.239	(0.827)	1818340	44.2363	44.2	
	36 Carbon Tetrachloride	117	5.376	5.378	(0.849)	1697284	52.0416	52.0	
$	40 Dibromofluoromethane	111	5.434	5.431	(0.858)	829071	41.0446	41.0	9681
	41 1,1,1-Trichloroethane	97	5.448	5.451	(0.860)	1895738	49.8721	49.9	
	43 1,1-Dichloropropene	75	5.588	5.590	(0.882)	1236578	59.2891	59.3	
	44 2-Butanone	43	5.593	5.596	(0.883)	314353	45.6901	45.7	
	46 Benzene	78	5.864	5.864	(0.926)	3171755	49.0424	49.0	
$	50 1,2-Dichloroethane-d4	67	6.020	6.014	(0.951)	476940	40.8005	40.8	
	51 1,2-Dichloroethane	62	6.092	6.092	(0.962)	1538348	47.0451	47.0	
*	53 FLUOROBENZENE	96	6.332	6.332	(1.000)	3080331	50.0000		
	55 Methyl Cyclohexane	83	6.500	6.505	(1.026)	1617559	53.9481	53.9	9336
	56 Trichloroethene	130	6.519	6.516	(1.030)	1254437	49.1918	49.2	
	57 Dibromomethane	93	6.990	6.990	(1.104)	508570	45.5880	45.6	
	59 1,2-Dichloropropane +	63	7.116	7.116	(1.124)	764356	53.0611	53.1	
	60 Bromodichloromethane	83	7.197	7.197	(1.137)	1429316	51.1778	51.2	
	64 2-Chloroethyl vinyl ether	63	7.897	7.897	(1.247)	323506	55.8547	55.9	
	65 1-Bromo-2-chloroethane	144	7.743	7.740	(1.223)	177828	43.7196	43.7	8814
	67 cis-1,3-Dichloropropene	75	7.944	7.941	(1.255)	1470752	50.9087	50.9	
$	68 Toluene-d8	98	8.167	8.164	(0.821)	2849300	49.5891	49.6	
	69 Toluene +	91	8.226	8.228	(0.827)	3926469	54.5396	54.5	
	71 Tetrachloroethene	164	8.680	8.680	(0.872)	1160791	55.2677	55.3	
	73 4-methyl-2-pentanone	43	8.717	8.716	(1.377)	582456	44.6927	44.7	
	74 trans-1,3-Dichloropropene	75	8.742	8.742	(1.380)	1457583	48.9431	48.9	
M	75 Total 1,2-Dichloroethene	61				2502641	104.223	104	
	76 1,1,2-Trichloroethane	97	8.928	8.931	(0.897)	832402	45.4569	45.5	
	78 Dibromochloromethane	129	9.135	9.137	(0.918)	1158475	50.8194	50.8	
	79 1,3-Dichloropropane	76	9.258	9.255	(0.930)	1384296	54.3391	54.3	
	80 1,2-Dibromoethane(EDB)	107	9.391	9.391	(0.944)	884333	53.4771	53.5	
M	82 1-3 Dichloropropene total	100				2928335	99.8518	99.9	0
	83 2-Hexanone	43	9.695	9.698	(0.974)	433496	49.1695	49.2	
*	84 CHLOROBENZENE-d5	82	9.952	9.952	(1.000)	1514534	50.0000		
	85 Chlorobenzene ++	112	9.969	9.971	(1.002)	2939956	46.8166	46.8	
	86 1-Chlorohexane	91	9.977	9.977	(1.576)	1280984	51.3750	51.4	7874
	87 Ethylbenzene +	106	10.016	10.016	(1.006)	1676469	50.3770	50.4	
	88 1,1,1,2-Tetrachloroethane	133	10.041	10.041	(1.009)	1257361	49.9114	49.9	
	89 p,m-Xylene	106	10.164	10.167	(1.021)	3755634	100.730	101	
	90 o-Xylene	106	10.565	10.565	(1.062)	1813929	48.7616	48.8	

168804

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
	91 Styrene	104	10.618	10.618	(1.067)	2989682	52.8151	52.8	
	92 Bromoform ++	173	10.624	10.624	(1.068)	1058020	54.3227	54.3	
	93 Isopropylbenzene	105	10.855	10.858	(1.091)	4225256	48.8985	48.9	
$	95 Bromofluorobenzene	174	11.090	11.090	(1.114)	1560290	50.4697	50.5	
	96 Bromobenzene	77	11.171	11.170	(0.931)	1867217	51.8746	51.9	
	97 n-Propylbenzene	91	11.215	11.215	(0.934)	4720708	52.4686	52.5	
	98 1,1,2,2-Tetrachloroethane++	83	11.274	11.276	(0.939)	940178	46.6159	46.6	
	99 2-Chlorotoluene	91	11.332	11.332	(0.944)	3178797	50.7047	50.7	
	100 1,2,3-Trichloropropane	75	11.380	11.380	(0.948)	981894	46.6923	46.7	
	102 1,3,5-Trimethylbenzene	105	11.382	11.385	(0.948)	4007914	49.9321	49.9	
	101 trans-1,4-Dichloro-2-Butene	53	11.422	11.424	(0.952)	281596	83.3565	83.4	(R)
	104 4-Chlorotoluene	91	11.475	11.474	(0.956)	3441543	51.1278	51.1	
	105 tert-butylbenzene	91	11.639	11.639	(0.970)	2506341	50.4527	50.5	
	107 1,2,4-Trimethylbenzene	105	11.695	11.695	(0.974)	3987175	50.8969	50.9	
	108 sec-Butylbenzene	105	11.781	11.781	(0.982)	4446550	52.3793	52.4	
	110 p-Isopropyltoluene	119	11.896	11.898	(0.991)	4067534	50.6302	50.6	
	113 1,3-Dichlorobenzene	146	11.940	11.940	(0.995)	2793609	48.9580	49.0	
*	114 1,4-DICHLOROBENZENE-D4	152	12.002	11.999	(1.000)	2003993	50.0000		
	115 1,4-Dichlorobenzene	146	12.013	12.013	(1.001)	2921736	51.1503	51.2	
	117 n-Butylbenzene	91	12.219	12.219	(1.018)	3360182	54.1274	54.1	
	118 1,2-Dichlorobenzene	146	12.333	12.333	(1.028)	2609904	47.5029	47.5	
	119 1,2-Dibromo-3-Chloropropane	157	12.925	12.924	(1.077)	254122	45.2580	45.3	
	120 Hexachlorobutadiene	225	13.385	13.385	(1.115)	878848	51.3576	51.4	
M	121 TOTAL XYLENE	106				5569563	149.492	149	
	122 1,2,4-Trichlorobenzene	180	13.404	13.407	(1.117)	1922610	54.1251	54.1	
	124 Naphthalene	128	13.636	13.638	(1.136)	2831716	48.4674	48.5	
	125 1,2,3-Trichlorobenzene	180	13.764	13.764	(1.147)	1608589	51.1956	51.2	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

168805

Data File: /var/chem/msv7.i/2071229.s.b/c9290.d

Page 1

Date : 29-DEC-2007 11:51

Client ID: V7ICV050

Instrument: msv7.i

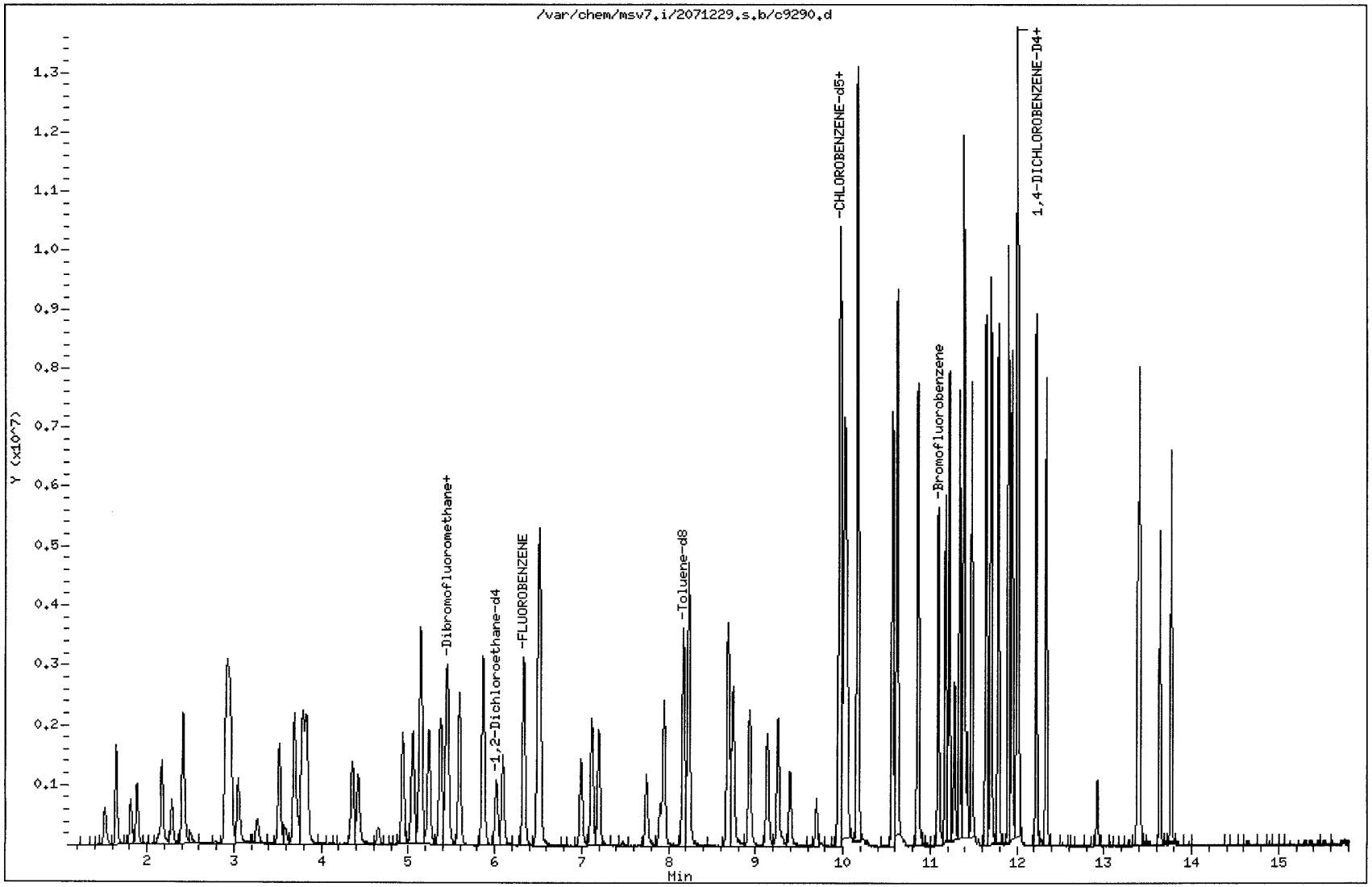
Sample Info: 1600*V7ICV050

Purge Volume: 5.0

Operator: ECW

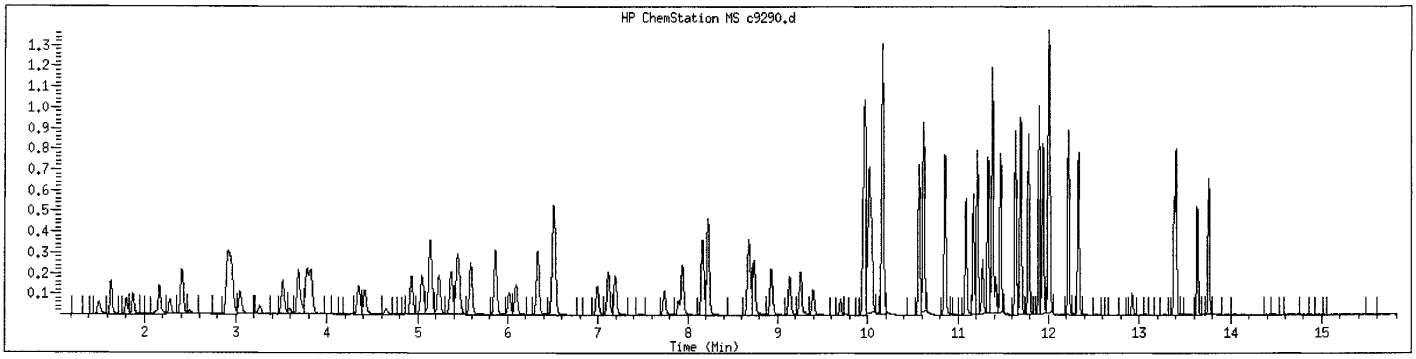
Column phase: DB-VRX-20M

Column diameter: 0.18



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 12/29/2007 11:51	Instrument	: msv7.i
Operator	: EGW		
Sample Info	: 1600*V7ICV050		
Misc Info	: MSV~12186~*1*EGW		
Method	: /var/chem/msv7.i/2071229.s.b/8260bw7.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

168807

Data File: /var/chem/msv7.i/2080102.s.b/c9400.d Page 1
Report Date: 03-Jan-2008 09:27

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv7.i Injection Date: 02-JAN-2008 10:05
Lab File ID: c9400.d Init. Cal. Date(s): 22-DEC-2007 28-DEC-2007
Analysis Type: WATER Init. Cal. Times: 16:24 22:29
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv7.i/2080102.s.b/8260bw7C.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	0.55687	0.54876	0.54876	0.000	-1.45586	30.00000	Averaged	
2 Chloromethane ++	0.28797	0.27457	0.27457	0.100	-4.65193	30.00000	Averaged	
3 Vinyl Chloride +	0.32640	0.33447	0.33447	0.000	2.47025	20.00000	Averaged	
6 Bromomethane	54.64277	50.00000	0.27642	0.000	9.28554	0.000e+00	Linear	<-
7 Chloroethane	0.22343	0.22897	0.22897	0.050	2.48150	30.00000	Averaged	
8 Trichlorofluoromethane	0.73744	0.75545	0.75545	0.000	2.44136	30.00000	Averaged	
10 1,1-Dichloroethene +	0.26896	0.28147	0.28147	0.000	4.65257	20.00000	Averaged	
11 Carbon Disulfide	0.76647	0.80818	0.80818	0.000	5.44177	30.00000	Averaged	
12 1,1,2Trichlotrifluoroethane	0.36856	0.38906	0.38906	0.000	5.56012	30.00000	Averaged	
13 Methyl Iodide	0.44402	0.47077	0.47077	0.000	6.02324	30.00000	Averaged	
14 Acrolein	0.02323	0.03074	0.03074	0.000	32.28515	30.00000	Averaged	<-
16 Methylene Chloride	0.30177	0.29431	0.29431	0.000	-2.47184	30.00000	Averaged	
17 Acetone	61.98840	50.00000	0.13859	0.000	23.97680	0.000e+00	Linear	<-
18 trans-1,2-Dichloroethene	0.38493	0.36818	0.36818	0.000	-4.35298	30.00000	Averaged	
19 Methyl Acetate	49.33790	50.00000	0.15700	0.050	-1.32421	0.000e+00	Linear	<-
20 Hexane	0.41139	0.41136	0.41136	0.050	-0.00658	30.00000	Averaged	
21 MTBE	0.95908	0.89585	0.89585	0.000	-6.59270	30.00000	Averaged	
26 1,1-Dichloroethane ++	0.53322	0.49315	0.49315	0.100	-7.51496	30.00000	Averaged	
27 Acrylonitrile	0.08023	0.07764	0.07764	0.000	-3.23266	30.00000	Averaged	
28 Vinyl Acetate	55.34118	50.00000	0.10512	0.000	10.68236	0.000e+00	Quadratic	<-
29 cis-1,2-Dichloroethene	0.39548	0.34567	0.34567	0.000	-12.59365	30.00000	Averaged	
30 2,2-Dichloropropane	0.55001	0.45519	0.45519	0.000	-17.23918	30.00000	Averaged	
32 Cyclohexane	0.39995	0.40843	0.40843	0.000	2.12175	30.00000	Averaged	
34 Bromochloromethane	0.18750	0.17540	0.17540	0.000	-6.45408	30.00000	Averaged	
35 Chloroform +	0.66722	0.59425	0.59425	0.000	-10.93624	20.00000	Averaged	
36 Carbon Tetrachloride	0.52939	0.50185	0.50185	0.000	-5.20180	30.00000	Averaged	
$ 40 Dibromofluoromethane	0.32787	0.34223	0.34223	0.000	4.37960	30.00000	Averaged	
41 1,1,1-Trichloroethane	0.61701	0.58986	0.58986	0.000	-4.40068	30.00000	Averaged	
43 1,1-Dichloropropene	0.33855	0.37533	0.37533	0.000	10.86509	30.00000	Averaged	
44 2-Butanone	52.17668	50.00000	0.11641	0.000	4.35336	0.000e+00	Linear	<-
46 Benzene	49.04246	50.00000	0.97301	0.000	-1.91509	0.000e+00	Linear	<-
$ 50 1,2-Dichloroethane-d4	0.18975	0.17113	0.17113	0.000	-9.81093	30.00000	Averaged	
51 1,2-Dichloroethane	0.53078	0.45410	0.45410	0.000	-14.44585	30.00000	Averaged	
55 Methyl Cyclohexane	50.32412	50.00000	0.48968	0.050	0.64824	0.000e+00	Linear	<-
56 Trichloroethene	0.41393	0.38308	0.38308	0.000	-7.45349	30.00000	Averaged	

168808

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv7.i Injection Date: 02-JAN-2008 10:05
Lab File ID: c9400.d Init. Cal. Date(s): 22-DEC-2007 28-DEC-2007
Analysis Type: WATER Init. Cal. Times: 16:24 22:29
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv7.i/2080102.s.b/8260bw7C.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
57 Dibromomethane	0.18108	0.16566	0.16566	0.000	-8.51595	30.00000	Averaged	
59 1,2-Dichloropropane +	0.23383	0.23975	0.23975	0.000	2.53348	20.00000	Averaged	
60 Bromodichloromethane	0.45333	0.45356	0.45356	0.000	0.05041	30.00000	Averaged	
64 2-Chloroethyl vinyl ether	47.82785	50.00000	0.08733	0.000	-4.34429	0.000e+00	Quadratic	<-
65 1-Bromo-2-chloroethane	0.06602	0.06794	0.06794	0.005	2.89631	30.00000	Averaged	
67 cis-1,3-Dichloropropene	50.00188	50.00000	0.46882	0.000	0.00376	0.000e+00	Linear	<-
$ 68 Toluene-d8	1.89689	2.11515	2.11515	0.000	11.50626	30.00000	Averaged	
69 Toluene +	2.37674	2.65047	2.65047	0.000	11.51715	20.00000	Averaged	
71 Tetrachloroethene	0.69338	0.73382	0.73382	0.000	5.83123	30.00000	Averaged	
73 4-methyl-2-pentanone	48.00663	50.00000	0.20395	0.000	-3.98673	0.000e+00	Linear	<-
74 trans-1,3-Dichloropropene	50.72666	50.00000	0.49080	0.000	1.45332	0.000e+00	Linear	<-
M 75 Total 1,2-Dichloroethene	0.39021	0.35693	0.35693	0.000	-8.52899	30.00000	Averaged	
76 1,1,2-Trichloroethane	0.60454	0.59989	0.59989	0.000	-0.76979	30.00000	Averaged	
78 Dibromochloromethane	0.75257	0.79602	0.79602	0.000	5.77266	30.00000	Averaged	
79 1,3-Dichloropropane	0.84102	0.89193	0.89193	0.000	6.05279	30.00000	Averaged	
80 1,2-Dibromoethane(EDB)	0.54593	0.58190	0.58190	0.000	6.58919	30.00000	Averaged	
M 82 1-3 Dichloropropene total	101	100	0.47981	0.050	0.72854	0.000e+00	Linear	<-
83 2-Hexanone	53.87211	50.00000	0.31503	0.000	7.74421	0.000e+00	Linear	<-
85 Chlorobenzene ++	2.07315	2.01981	2.01981	0.300	-2.57332	30.00000	Averaged	
86 1-Chlorohexane	0.40473	0.43511	0.43511	0.050	7.50636	30.00000	Averaged	
87 Ethylbenzene +	1.09864	1.15195	1.15195	0.000	4.85262	20.00000	Averaged	
88 1,1,1,2-Tetrachloroethane	0.83167	0.87843	0.87843	0.000	5.62178	30.00000	Averaged	
89 p,m-Xylene	109	100	1.32384	0.000	9.11940	0.000e+00	Quadratic	<-
90 o-Xylene	52.83464	50.00000	1.29538	0.000	5.66928	0.000e+00	Quadratic	<-
91 Styrene	57.41394	50.00000	2.14450	0.000	14.82789	0.000e+00	Linear	<-
92 Bromoform ++	0.64299	0.74664	0.74664	0.100	16.12014	30.00000	Averaged	
93 Isopropylbenzene	56.76294	50.00000	3.12361	0.000	13.52587	0.000e+00	Quadratic	<-
$ 95 Bromofluorobenzene	1.02062	1.04489	1.04489	0.000	2.37795	30.00000	Averaged	
96 Bromobenzene	0.89808	0.92414	0.92414	0.000	2.90207	30.00000	Averaged	
97 n-Propylbenzene	56.30493	50.00000	2.46952	0.000	12.60986	0.000e+00	Quadratic	<-
98 1,1,2,2-Tetrachloroethane++	0.50321	0.49706	0.49706	0.300	-1.22302	30.00000	Averaged	
99 2-Chlorotoluene	53.42168	50.00000	1.65266	0.000	6.84335	0.000e+00	Quadratic	<-
100 1,2,3-Trichloropropane	0.52468	0.51160	0.51160	0.000	-2.49298	30.00000	Averaged	
102 1,3,5-Trimethylbenzene	54.47470	50.00000	2.12914	0.000	8.94940	0.000e+00	Quadratic	<-
101 trans-1,4-Dichloro-2-Butene	48.98395	50.00000	0.08003	0.000	-2.03210	0.000e+00	Linear	<-

168809

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv7.i Injection Date: 02-JAN-2008 10:05
Lab File ID: c9400.d Init. Cal. Date(s): 22-DEC-2007 28-DEC-2007
Analysis Type: WATER Init. Cal. Times: 16:24 22:29
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv7.i/2080102.s.b/8260bw7C.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
104 4-Chlorotoluene	52.48256	50.00000	1.75201	0.000	4.96513	0.000e+00	Quadratic	<-
105 tert-butylbenzene	52.23986	50.00000	1.28828	0.000	4.47972	0.000e+00	Quadratic	<-
107 1,2,4-Trimethylbenzene	54.80134	50.00000	2.09484	0.000	9.60267	0.000e+00	Quadratic	<-
108 sec-Butylbenzene	57.69626	50.00000	2.36838	0.000	15.39253	0.000e+00	Quadratic	<-
110 p-Isopropyltoluene	57.81739	50.00000	2.22443	0.000	15.63477	0.000e+00	Quadratic	<-
113 1,3-Dichlorobenzene	1.42369	1.44193	1.44193	0.000	1.28072	30.00000	Averaged	
115 1,4-Dichlorobenzene	52.70881	50.00000	1.49375	0.000	5.41761	0.000e+00	Quadratic	<-
117 n-Butylbenzene	1.54889	1.74845	1.74845	0.000	12.88450	30.00000	Averaged	
118 1,2-Dichlorobenzene	1.37081	1.35375	1.35375	0.000	-1.24488	30.00000	Averaged	
119 1,2-Dibromo-3-Chloropropane	44.92500	50.00000	0.12584	0.000	-10.15001	0.000e+00	Linear	<-
120 Hexachlorobutadiene	0.42696	0.48175	0.48175	0.000	12.83381	30.00000	Averaged	
M 121 TOTAL XYLENE	162	150	0.94914	0.000	7.96936	0.000e+00	Quadratic	<-
122 1,2,4-Trichlorobenzene	53.90323	50.00000	0.95543	0.000	7.80645	0.000e+00	Linear	<-
124 Naphthalene	51.61282	50.00000	1.48857	0.000	3.22564	0.000e+00	Quadratic	<-
125 1,2,3-Trichlorobenzene	0.78395	0.83515	0.83515	0.000	6.53142	30.00000	Averaged	

168810

GCAL, Inc.

Data file : /var/chem/msv7.i/2080102.s.b/c9399.d
Lab Smp Id: 1000 Client Smp ID: V7BFB01
Inj Date : 02-JAN-2008 09:16
Operator : EGW Inst ID: msv7.i
Smp Info : 1000*V7BFB01
Misc Info : MSV~12203~*1*ADI
Comment :
Method : /var/chem/msv7.i/2080102.s.b/bfb7.m
Meth Date : 18-Nov-2007 17:46 adi Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb					CAS #: 460-00-4		
11.090	11.123 (0.000)	95	538538			100.00- 100.00	93.74
11.090	11.123 (0.000)	50	89605			15.00- 40.00	16.64
11.090	11.123 (0.000)	75	278570			30.00- 60.00	51.73
11.090	11.123 (0.000)	96	33077			5.00- 9.00	6.14
11.090	11.123 (0.000)	173	7240			0.00- 2.00	1.26
11.090	11.123 (0.000)	174	574506			50.00- 120.00	106.68
11.090	11.123 (0.000)	175	42824			5.00- 9.00	7.45
11.090	11.123 (0.000)	176	555306			95.00- 101.00	96.66
11.090	11.123 (0.000)	177	36864			5.00- 9.00	6.64

168811

Data File: /var/chem/msv7.i/2080102.s.b/c9399.d

Page 1

Date : 02-JAN-2008 09:16

Client ID: V7BFB01

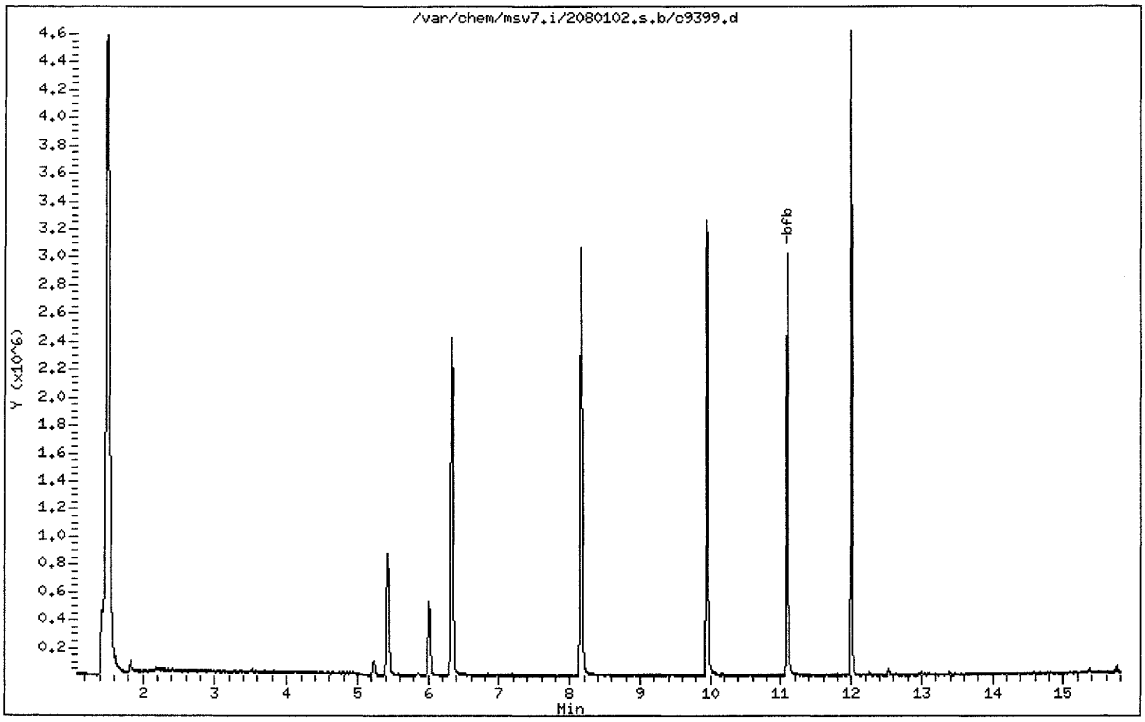
Instrument: msv7.i

Sample Info: 1000xV7BFB01

Operator: EGW

Column phase: DB-VRX-20M

Column diameter: 0.18



Data File: /var/chem/msv7.i/2080102.s.b/c9399.d

Date : 02-JAN-2008 09:16

Client ID: V7BFB01

Instrument: msv7.i

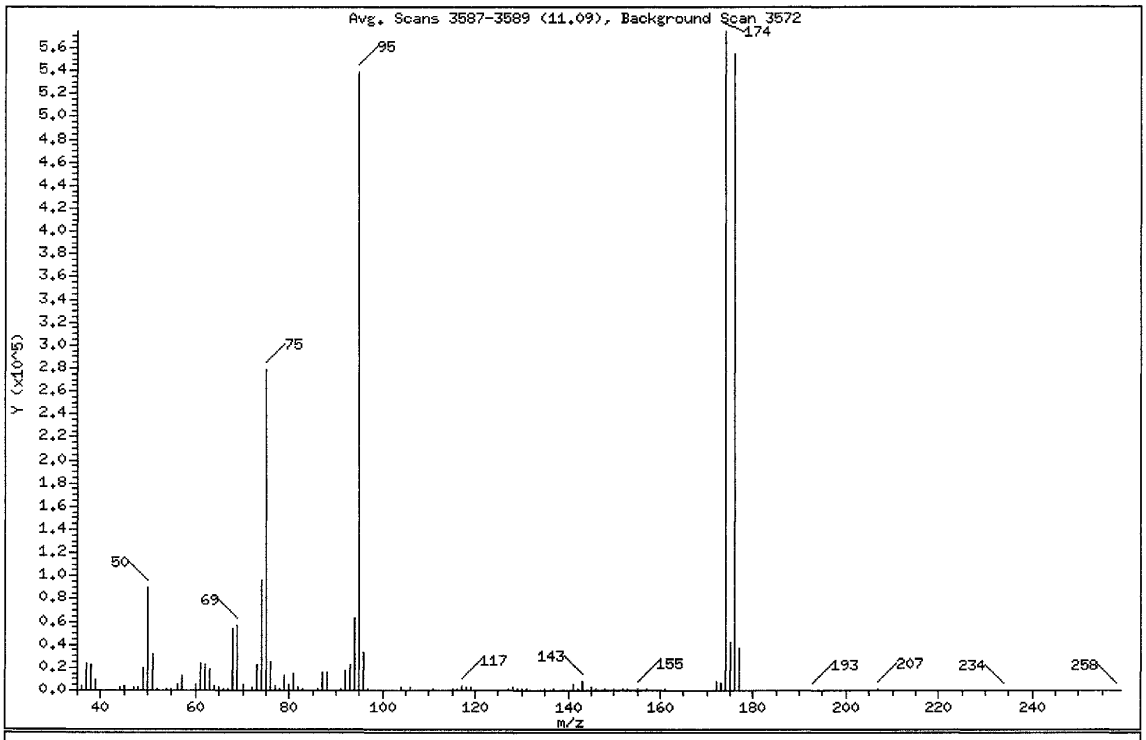
Sample Info: 1000*W7BFB01

Operator: EGW

Column phase: DB-VRX-20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.64
75	30.00 - 60.00% of mass 95	51.73
96	5.00 - 9.00% of mass 95	6.14
173	Less than 2.00% of mass 174	1.34 (1.26)
174	50.00 - 120.00% of mass 95	106.68
175	5.00 - 9.00% of mass 174	7.95 (7.45)
176	95.00 - 101.00% of mass 174	103.11 (96.66)
177	5.00 - 9.00% of mass 176	6.85 (6.64)

Data File: /var/chem/msv7.i/2080102.s.b/c9399.d

Date : 02-JAN-2008 09:16

Client ID: V7BFB01 Instrument: msv7.i

Sample Info: 1000xV7BFB01

Operator: EGW

Column phase: DB-WRX-20M Column diameter: 0.18

Data File: c9399.d
Spectrum: Avg. Scans 3587-3589 (11.09), Background Scan 3572
Location of Maximum: 174.00
Number of points: 124

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4562	71.00	573	113.00	228	157.00	1443
37.00	23832	72.00	2944	115.00	1007	158.00	192
38.00	21824	73.00	22232	116.00	1634	159.00	633
39.00	9019	74.00	96856	117.00	4165	161.00	1809
40.00	642	75.00	278528	118.00	2383	171.00	346
41.00	185	76.00	24640	119.00	2614	172.00	8359
44.00	2392	77.00	3668	122.00	521	173.00	7240
45.00	4089	78.00	1948	124.00	238	174.00	574464
46.00	263	79.00	13543	127.00	717	175.00	42824
47.00	3207	80.00	4978	128.00	2271	176.00	555264
48.00	2794	81.00	14141	129.00	1569	177.00	36864
49.00	20056	82.00	2774	130.00	1652	178.00	504
50.00	89600	83.00	928	131.00	1440	179.00	316
51.00	31680	86.00	1152	133.00	550	187.00	438
52.00	1687	87.00	16155	135.00	1461	191.00	451
53.00	272	88.00	15998	136.00	174	192.00	307
54.00	954	91.00	1816	137.00	1097	193.00	626
55.00	1655	92.00	17632	139.00	264	195.00	166
56.00	5381	93.00	22848	141.00	5177	201.00	180
57.00	12552	94.00	63504	142.00	788	207.00	1056
58.00	570	95.00	538496	143.00	7926	209.00	243
60.00	5452	96.00	33072	144.00	643	212.00	329
61.00	23728	97.00	1185	145.00	2155	218.00	265
62.00	22856	98.00	247	146.00	1096	234.00	232
63.00	18224	100.00	218	147.00	457	242.00	223
64.00	4014	104.00	2209	148.00	1166	247.00	188
65.00	2728	105.00	458	149.00	612	250.00	176
66.00	758	106.00	2089	150.00	796	258.00	308
67.00	1664	107.00	356	152.00	779		
68.00	54704	110.00	187	153.00	666		
69.00	56648	111.00	757	154.00	334		
70.00	4689	112.00	269	155.00	1858		

168814

GCAL, Inc.

Data file : /var/chem/msv7.i/2080102.s.b/c9400.d
Lab Smp Id: 1400 Client Smp ID: V7STD050
Inj Date : 02-JAN-2008 10:05
Operator : EGW Inst ID: msv7.i
Smp Info : 1400*V7STD050*6-13-9
Misc Info : MSV~12203~*1*ADI
Comment :
Method : /var/chem/msv7.i/2080102.s.b/8260bw7C.m
Meth Date : 03-Jan-2008 09:27 kcb Quant Type: ISTD
Cal Date : 28-DEC-2007 22:29 Cal File: c9278.d
Als bottle: 31 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.642	1.642	(0.259)	1405242	50.0000	49.3	
2 Chloromethane ++	50	1.806	1.806	(0.285)	703111	50.0000	47.7	
3 Vinyl Chloride +	62	1.879	1.879	(0.297)	856482	50.0000	51.2	
6 Bromomethane	94	2.166	2.166	(0.342)	707844	50.0000	54.6	
7 Chloroethane	64	2.277	2.277	(0.360)	586344	50.0000	51.2	
8 Trichlorofluoromethane	101	2.411	2.411	(0.381)	1934499	50.0000	51.2	
10 1,1-Dichloroethene +	96	2.902	2.902	(0.459)	720776	50.0000	52.3	
11 Carbon Disulfide	76	2.924	2.924	(0.462)	2069532	50.0000	52.7	
12 1,1,2Trichlotrifluoroethane	101	2.955	2.955	(0.467)	996270	50.0000	52.8	
13 Methyl Iodide	142	3.044	3.044	(0.481)	1205516	50.0000	53.0	
14 Acrolein	56	3.262	3.262	(0.515)	393530	250.000	331	
16 Methylene Chloride	49	3.516	3.516	(0.555)	753655	50.0000	48.8	
17 Acetone	43	3.580	3.580	(0.566)	354891	50.0000	62.0	
18 trans-1,2-Dichloroethene	61	3.688	3.688	(0.583)	942807	50.0000	47.8	

168815

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	19 Methyl Acetate	43	3.716	3.716	(0.587)	402026	50.0000	49.3	2279(H)
	20 Hexane	57	3.780	3.780	(0.597)	1053385	50.0000	50.0	9547(M1)
	21 MTBE	73	3.822	3.822	(0.604)	2294027	50.0000	46.7	9740
	26 1,1-Dichloroethane ++	63	4.349	4.349	(0.687)	1262824	50.0000	46.2	
	27 Acrylonitrile	53	4.411	4.411	(0.697)	994076	250.000	242	
	28 Vinyl Acetate	43	4.651	4.651	(0.735)	269196	50.0000	55.3	
	29 cis-1,2-Dichloroethene	61	4.932	4.932	(0.779)	885183	50.0000	43.7	
	30 2,2-Dichloropropane	77	5.049	5.049	(0.798)	1165632	50.0000	41.4	
	32 Cyclohexane	56	5.136	5.136	(0.811)	1045893	50.0000	51.1	9041
	34 Bromochloromethane	128	5.144	5.144	(0.813)	449142	50.0000	46.8	
	35 Chloroform +	83	5.233	5.233	(0.827)	1521722	50.0000	44.5	
	36 Carbon Tetrachloride	117	5.370	5.370	(0.848)	1285115	50.0000	47.4	
$	40 Dibromofluoromethane	111	5.431	5.431	(0.858)	876373	50.0000	52.2	9675
	41 1,1,1-Trichloroethane	97	5.451	5.451	(0.861)	1510475	50.0000	47.8	
	43 1,1-Dichloropropene	75	5.585	5.585	(0.882)	961123	50.0000	55.4	
	44 2-Butanone	43	5.590	5.590	(0.883)	298083	50.0000	52.2	
	46 Benzene	78	5.861	5.861	(0.926)	2491616	50.0000	49.0	
$	50 1,2-Dichloroethane-d4	67	6.017	6.017	(0.951)	438218	50.0000	45.1	
	51 1,2-Dichloroethane	62	6.092	6.092	(0.963)	1162838	50.0000	42.8	
*	53 FLUOROBENZENE	96	6.329	6.329	(1.000)	2560738	50.0000		
	55 Methyl Cyclohexane	83	6.502	6.502	(1.027)	1253944	50.0000	50.3	9296
	56 Trichloroethene	130	6.516	6.516	(1.030)	980965	50.0000	46.3	
	57 Dibromomethane	93	6.993	6.993	(1.105)	424212	50.0000	45.7	
	59 1,2-Dichloropropane +	63	7.116	7.116	(1.124)	613936	50.0000	51.3	
	60 Bromodichloromethane	83	7.197	7.197	(1.137)	1161457	50.0000	50.0	
	64 2-Chloroethyl vinyl ether	63	7.897	7.897	(1.248)	223637	50.0000	47.8	
	65 1-Bromo-2-chloroethane	144	7.743	7.743	(1.223)	173965	50.0000	51.4	8700
	67 cis-1,3-Dichloropropene	75	7.941	7.941	(1.255)	1200528	50.0000	50.0	
$	68 Toluene-d8	98	8.164	8.164	(0.820)	2683293	50.0000	55.8	
	69 Toluene +	91	8.226	8.226	(0.827)	3362394	50.0000	55.8	
	71 Tetrachloroethene	164	8.677	8.677	(0.872)	930923	50.0000	52.9	
	73 4-methyl-2-pentanone	43	8.714	8.714	(1.377)	522274	50.0000	48.0	
	74 trans-1,3-Dichloropropene	75	8.741	8.741	(1.381)	1256800	50.0000	50.7	
M	75 Total 1,2-Dichloroethene	61				1827990	100.000	91.5	
	76 1,1,2-Trichloroethane	97	8.928	8.928	(0.897)	761017	50.0000	49.6	
	78 Dibromochloromethane	129	9.135	9.135	(0.918)	1009828	50.0000	52.9	
	79 1,3-Dichloropropane	76	9.255	9.255	(0.930)	1131502	50.0000	53.0	
	80 1,2-Dibromoethane(EDB)	107	9.394	9.394	(0.944)	738207	50.0000	53.3	
M	82 1-3 Dichloropropene total	100				2457328	100.000	101	0
	83 2-Hexanone	43	9.698	9.698	(0.975)	399645	50.0000	53.9	
*	84 CHLOROBENZENE-d5	82	9.952	9.952	(1.000)	1268604	50.0000		
	85 Chlorobenzene ++	112	9.968	9.968	(1.002)	2562333	50.0000	48.7	
	86 1-Chlorohexane	91	9.974	9.974	(1.576)	1114201	50.0000	53.8	7576
	87 Ethylbenzene +	106	10.016	10.016	(1.006)	1461367	50.0000	52.4	
	88 1,1,1,2-Tetrachloroethane	133	10.041	10.041	(1.009)	1114374	50.0000	52.8	
	89 p,m-Xylene	106	10.164	10.164	(1.021)	3358862	100.000	109	
	90 o-Xylene	106	10.568	10.568	(1.062)	1643320	50.0000	52.8	

168816

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
91	Styrene	104	10.618	10.618	(1.067)	2720516	50.0000	57.4	
92	Bromoform ++	173	10.621	10.621	(1.067)	947190	50.0000	58.1	
93	Isopropylbenzene	105	10.855	10.855	(1.091)	3962624	50.0000	56.8	
$ 95	Bromofluorobenzene	174	11.089	11.089	(1.114)	1325555	50.0000	51.2	
96	Bromobenzene	77	11.173	11.173	(0.931)	1623472	50.0000	51.5	
97	n-Propylbenzene	91	11.212	11.212	(0.934)	4338295	50.0000	56.3	
98	1,1,2,2-Tetrachloroethane++	83	11.274	11.274	(0.940)	873197	50.0000	49.4	
99	2-Chlorotoluene	91	11.332	11.332	(0.944)	2903288	50.0000	53.4	
100	1,2,3-Trichloropropane	75	11.380	11.380	(0.948)	898744	50.0000	48.8	
102	1,3,5-Trimethylbenzene	105	11.382	11.382	(0.949)	3740343	50.0000	54.5	
101	trans-1,4-Dichloro-2-Butene	53	11.421	11.421	(0.952)	140583	50.0000	49.0	
104	4-Chlorotoluene	91	11.472	11.472	(0.956)	3077827	50.0000	52.5	
105	tert-butylbenzene	91	11.636	11.636	(0.970)	2263175	50.0000	52.2	
107	1,2,4-Trimethylbenzene	105	11.695	11.695	(0.975)	3680078	50.0000	54.8	
108	sec-Butylbenzene	105	11.778	11.778	(0.982)	4160619	50.0000	57.7	
110	p-Isopropyltoluene	119	11.898	11.898	(0.992)	3907749	50.0000	57.8	
113	1,3-Dichlorobenzene	146	11.940	11.940	(0.995)	2533085	50.0000	50.6	
* 114	1,4-DICHLOROBENZENE-D4	152	11.999	11.999	(1.000)	1756738	50.0000		
115	1,4-Dichlorobenzene	146	12.010	12.010	(1.001)	2624133	50.0000	52.7	
117	n-Butylbenzene	91	12.219	12.219	(1.018)	3071574	50.0000	56.4	
118	1,2-Dichlorobenzene	146	12.333	12.333	(1.028)	2378179	50.0000	49.4	
119	1,2-Dibromo-3-Chloropropane	157	12.924	12.924	(1.077)	221073	50.0000	44.9	
120	Hexachlorobutadiene	225	13.385	13.385	(1.115)	846310	50.0000	56.4	
M 121	TOTAL XYLENE	106				5002182	150.000	162	
122	1,2,4-Trichlorobenzene	180	13.404	13.404	(1.117)	1678446	50.0000	53.9	
124	Naphthalene	128	13.636	13.636	(1.136)	2615022	50.0000	51.6	
125	1,2,3-Trichlorobenzene	180	13.764	13.764	(1.147)	1467137	50.0000	53.3	

QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

168817

Data File: /var/chem/msv7.i/2080102.s.b/c9400.d

Page 1

Date : 02-JAN-2008 10:05

Client ID: V7STD050

Instrument: msv7.i

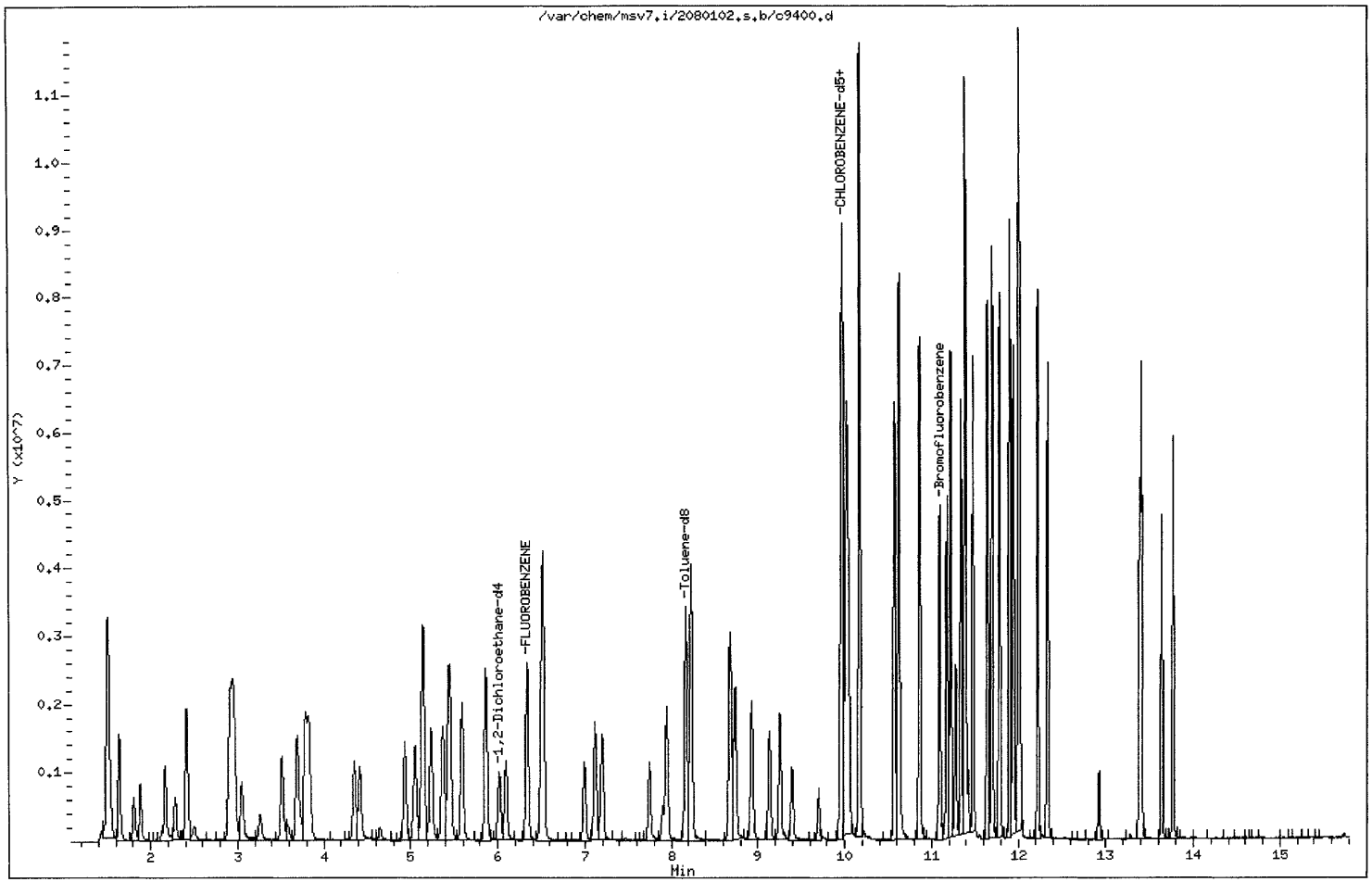
Sample Info: 1400*V7STD050*6-13-9

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-20M

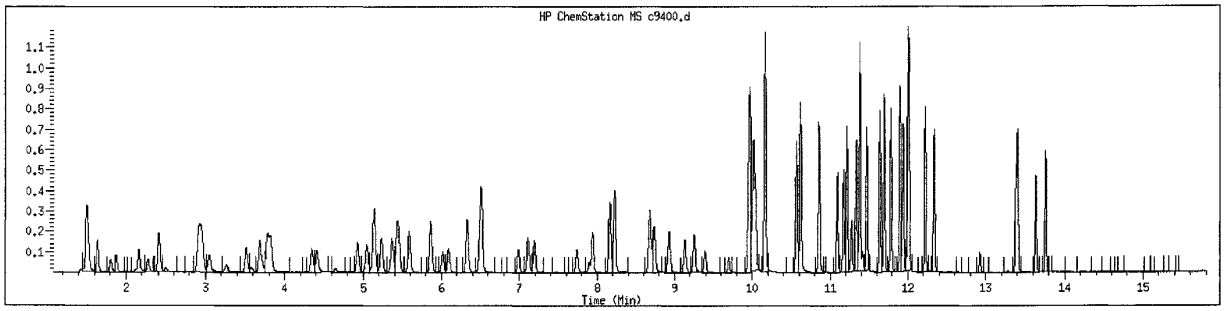
Column diameter: 0.18



Data file : /var/chem/msv7.i/2080102.s.b/c9400.d Page: 1
Report Date: 01/03/2008 09:27

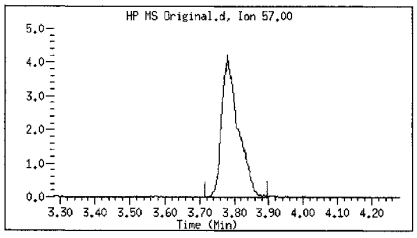
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1400 SampleType : CCALIB_3
Injection Date: 01/02/2008 10:05 Instrument : msv7.i
Operator : EGW
Sample Info : 1400*V7STD050*6-13-9
Misc Info : MSV~12203~*1*ADI
Method : /var/chem/msv7.i/2080102.s.b/8260bw7C.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260b



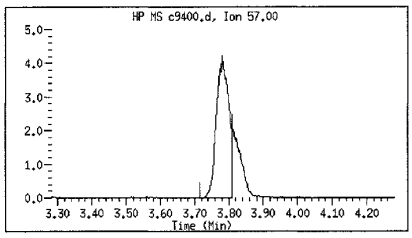
Original Final

20 Hexane CAS#: 110-54-3 Reason: M1



Electronic Signature
Applied

User: egw
Date: 01/02/2008 09:53



M1 - Target system did not integrate

168819

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Calibration File Names:
Level 1: /var/chem/msv9.i/2071229p.s.b/b0009.d
Level 2: /var/chem/msv9.i/2071229p.s.b/b0011.d
Level 3: /var/chem/msv9.i/2071229p.s.b/b0012.d
Level 4: /var/chem/msv9.i/2071229p.s.b/b0013.d
Level 5: /var/chem/msv9.i/2071220.s.b/a9699.d
Level 6: /var/chem/msv9.i/2071229p.s.b/b0010.d
Level 7: /var/chem/msv9.i/2071229p.s.b/b0015.d
Level 8: /var/chem/msv9.i/2071229p.s.b/b0008.d
Level 10: /var/chem/msv9.i/2071229p.s.b/b0006.d

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
1 Dichlorodifluoromethane	0.44462	0.41938	0.44481	0.42732	+++++	0.41606						
	0.57103	0.47002	+++++				AVRG		0.45618		11.81931	<-
2 Chloromethane ++	0.58102	0.56491	0.56240	0.55311	+++++	0.57798						
	+++++	0.63070	+++++				AVRG		0.57835		4.77928	<-
3 Vinyl Chloride +	0.53347	0.50585	0.52125	0.50709	+++++	0.51291						
	+++++	0.53915	+++++				AVRG		0.51995		2.67442	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	 m1	 m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
4 1-3 Butadiene	0.07453	0.06835	0.05951	0.06328	0.05836	0.08209						
	+++++	+++++	+++++				AVRG		0.06769		13.67005	<-
151 3,3 Dimethyl-1-butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
153 tert-amyl Methyl Ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
155 Tert-amyl alcohol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
M 161 Total Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
5 Bromomethane	18757	57929	153549	332640	+++++	31550						
	8078	5634	3669				LINR	-0.02233	0.12196		0.99954	<-
6 Chloroethane	32724	108983	280908	481964	+++++	59539						
	3206	7078	2375				QUAD	0.00951	3.12839	6.59959	0.99858	<-

168821

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
152 Ethyl Tert-butyl Ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
154 Tert-butyl formate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
9 Trichlorofluoromethane	0.64686	0.62663	0.65687	0.63661	+++++	0.61847						
	0.83120	0.67134	+++++				AVRG		0.66971		10.96336	<-
12 Ethyl Ether	0.38917	0.39088	0.37991	0.38572	0.34332	0.40408						
	+++++	0.40406	+++++				AVRG		0.38531		5.34216	<-
156 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
19 1,1,2Trichlotrifluoroethane	0.35665	0.33935	0.35604	0.33080	+++++	0.34439						
	+++++	0.36870	+++++				AVRG		0.34932		3.92732	<-
8 Acrolein	0.07307	0.07579	0.06927	0.06565	+++++	0.07586						
	+++++	0.07619	+++++				AVRG		0.07264		5.94557	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
13 1,1-Dichloroethene +	0.26402	0.24460	0.26856	0.25917	+++++	0.26421						
	+++++	0.29399	+++++				AVRG		0.26576		6.06985	<-
11 Acetone	0.28819	0.25610	0.24032	0.23760	+++++	0.26769						
	+++++	+++++	+++++				AVRG		0.25798		8.08006	<-
14 Methyl Iodide	0.22853	0.22051	0.24773	0.25840	+++++	0.22096						
	+++++	0.30721	+++++				AVRG		0.24722		13.38589	<-
21 Carbon Disulfide	111255	410802	1150585	2365378	+++++	200427						
	32278	29945	13202				LINR	-0.00866	0.88339		0.99946	<-
17 Allyl chloride	0.44367	0.41754	0.41961	0.41482	0.42498	0.45972						
	+++++	0.45290	+++++				AVRG		0.43332		4.25162	<-
20 Methyl Acetate	0.48782	0.43502	0.44311	0.43295	+++++	0.45228						
	+++++	0.52976	+++++				AVRG		0.46349		8.22609	<-
10 Acetonitrile	0.12015	0.11204	0.12437	0.11837	0.13211	0.12732						
	+++++	0.12622	+++++				AVRG		0.12294		5.39130	<-

168823

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
7 2-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
18 Methylene Chloride	0.54190	0.50256	0.49886	0.47745	+++++	0.51535						
	+++++	0.62286	+++++				AVRG		0.52650		9.82837	<-
25 MTBE	1.10265	1.06503	1.09228	1.04556	+++++	1.06431						
	1.29006	1.06844	+++++				AVRG		1.10405		7.62583	<-
22 trans-1,2-Dichloroethene	0.47192	0.44917	0.46833	0.45507	+++++	0.45110						
	+++++	0.54017	+++++				AVRG		0.47263		7.26983	<-
15 tert-Butyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
16 Acrylonitrile	0.21619	0.21151	0.21768	0.21939	+++++	0.22129						
	+++++	0.22934	+++++				AVRG		0.21923		2.71884	<-
32 Hexane	0.50508	0.48326	0.53186	0.53759	+++++	0.47970						
	+++++	0.57603	+++++				AVRG		0.51892		7.09577	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
28 Isopropyl Ether	1.11078	1.26412	1.34239	1.33315	1.31306	1.27070						
	+++++	1.10835	+++++				AVRG		1.24894		7.97292	<-
26 1,1-Dichloroethane ++	0.60283	0.56067	0.58464	0.58428	+++++	0.55841						
	0.80638	0.62883	+++++				AVRG		0.61800		14.00104	<-
29 Vinyl Acetate	0.53199	0.57237	0.60431	0.60905	+++++	0.57180						
	+++++	0.51083	+++++				AVRG		0.56672		6.87591	<-
27 Chloroprene	0.44517	0.51209	0.54106	0.55654	0.57088	0.51311						
	+++++	0.40343	+++++				AVRG		0.50604		12.04766	<-
38 2,2-Dichloropropane	0.33464	0.34215	0.36729	0.37185	+++++	0.33013						
	0.34291	0.33787	0.35525				AVRG		0.34776		4.41979	<-
23 cis-1,2-Dichloroethene	0.43432	0.45069	0.49681	0.50939	+++++	0.44425						
	+++++	0.41394	+++++				AVRG		0.45823		8.10204	<-
33 2-Butanone	0.28712	0.30246	0.29833	0.30630	+++++	0.29882						
	+++++	0.32580	+++++				AVRG		0.30314		4.23083	<-

168825

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
53 Ethyl Acetate	0.51058	0.55999	0.57660	0.54346	0.49591	0.55225						
	+++++	0.51341	+++++				AVRG		0.53603		5.54858	<-
31 sec-butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
24 Propionitrile	0.08388	0.08682	0.09280	0.09236	0.09727	0.08061						
	+++++	0.08051	+++++				AVRG		0.08775		7.45374	<-
36 Bromochloromethane	0.12429	0.12143	0.12214	0.12659	+++++	0.11959						
	0.16192	0.10729	0.10612				AVRG		0.12367		13.91328	<-
35 Tetrahydrofuran	0.16287	0.18034	0.18967	0.18909	0.20825	0.17543						
	+++++	0.13262	+++++				AVRG		0.17690		13.58603	<-
30 Methylacrylonitrile	0.29457	0.30144	0.35798	0.35534	0.37557	0.33465						
	+++++	+++++	+++++				AVRG		0.33659		9.70402	<-
37 Chloroform +	0.56477	0.49925	0.50354	0.50164	+++++	0.50319						
	+++++	0.78878	+++++				AVRG		0.56020		20.48968	<-

168826

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

	5	20	50	100	200	10		Coefficients			%RSD	
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2	
	0.4000	1	0.2000									
	Level 7	Level 8	Level 10									
M 80 Total 1,2-Dichloroethene	0.45312	0.44993	0.48257	0.48223	+++++	0.44767						
	+++++	0.47706	+++++				AVRG		0.46543		3.61863	<-
45 Cyclohexane	0.53383	0.59969	0.67115	0.69036	+++++	0.55762						
	0.55605	0.46507	0.64682				AVRG		0.59007		12.96089	<-
43 1,1,1-Trichloroethane	0.37143	0.37235	0.40131	0.42009	+++++	0.36343						
	0.40230	0.34064	0.43190				AVRG		0.38793		7.97833	<-
46 Carbon Tetrachloride	0.29815	0.29594	0.32679	0.33465	+++++	0.28959						
	0.34312	0.30375	0.25819				AVRG		0.30627		9.02920	<-
44 1,1-Dichloropropene	0.36585	0.37597	0.41153	0.41559	+++++	0.36740						
	0.41895	0.36162	0.54730				AVRG		0.40803		14.99260	<-
34 Isobutyl Alcohol	7848	36068	70759	104763	176206	15149						
	+++++	2520	+++++				QUAD	-0.04650	41.92038	543	0.99514	<-
47 Benzene	1.30085	1.22975	1.28603	1.27178	+++++	1.24127						
	1.69435	1.27428	+++++				AVRG		1.32833		12.29083	<-

168827

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
42 1,2-Dichloroethane	0.46006	0.43813	0.44195	0.44775	+++++	0.44795						
	0.59418	0.46017	+++++				AVRG		0.47003		11.78175	<-
40 n-Butanol	3325	24733	73480	180568	408639	9387						
	+++++	221	+++++				LINR	0.10240	0.09259		0.99746	<-
57 Trichloroethene	0.26313	0.25446	0.27055	0.28008	+++++	0.24570						
	+++++	0.28409	+++++				AVRG		0.26634		5.56678	<-
61 Methyl Cyclohexane	0.41519	0.46396	0.52423	0.52548	+++++	0.43289						
	0.47195	0.35373	0.47167				AVRG		0.45739		12.44734	<-
56 1,2-Dichloropropane +	0.34617	0.34659	0.36429	0.36693	+++++	0.33362						
	0.36952	0.34721	0.50423				AVRG		0.37232		14.70280	<-
48 2-3 Dichloro-1-Proprene	0.34947	0.44361	0.49780	0.50104	0.51708	0.40271						
	+++++	+++++	+++++				AVRG		0.45195		14.59353	<-
52 Methyl methacrylate	30573	180722	528068	1150974	2560581	75934						
	+++++	5383	+++++				LINR	0.05824	0.57598		0.99882	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
51 1,4- Dioxane	7320	38384	116991	252372	565305	17316						
	+++++	570	+++++				LINR	1.51115	0.00509		0.99860	<-
55 Dibromomethane	0.16313	0.16025	0.16374	0.16652	+++++	0.15373						
	+++++	0.15087	+++++				AVRG		0.15971		3.84426	<-
157 1,3-difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
58 Bromodichloromethane	0.34753	0.36241	0.39085	0.39971	+++++	0.34930						
	0.44336	0.35011	+++++				AVRG		0.37761		9.47461	<-
158 1,4-difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
62 2-Chloroethyl vinyl ether	10961	66325	208054	453199	+++++	24879						
	+++++	1721	+++++				LINR	0.05043	0.17325		0.99895	<-
59 1-Nitropropane	10009	50721	153886	345145	788285	20687						
	+++++	1507	+++++				LINR	0.07921	0.17746		0.99770	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
60 1-Bromo-2-chloroethane	0.04869	0.05041	0.05226	0.05160	+++++	0.04918						
	+++++	+++++	+++++				AVRG		0.05043		3.02293	<-
63 cis-1,3-Dichloropropene	0.37523	0.43041	0.45327	0.43355	+++++	0.40569						
	0.35475	0.29940	+++++				AVRG		0.39318		13.68700	<-
159 1,2-difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
65 4-methyl-2-pentanone	51561	256916	738755	1566233	+++++	112013						
	4146	7368	1919				LINR	0.01594	0.58964		0.99954	<-
54 2,2,4 Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
162 Heptane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
70 Toluene +	2.94196	2.88951	2.97975	2.87397	+++++	2.85093						
	3.11596	2.42711	3.31829				AVRG		2.92468		8.68524	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
66 trans-1,3-Dichloropropene	0.33261	0.36669	0.40983	0.39040	+++++	0.32677						
	0.36763	0.27923	+++++				AVRG		0.35331		12.43169	<-
64 Ethyl Methacrylate	27825	180892	550252	1270187	2881111	68716						
	+++++	4171	+++++				LINR	0.06901	1.47297		0.99939	<-
49 2-Nitropropane	7950	45486	132551	293457	674886	18105						
	+++++	952	+++++				LINR	0.07753	0.15175		0.99756	<-
M 87 1-3 Dichloropropene total	0.35392	0.39855	0.43155	0.41197	+++++	0.36623						
	0.36119	0.28932	+++++				AVRG		0.37325		12.54363	<-
67 1,1,2-Trichloroethane	0.71896	0.64410	0.65484	0.64236	+++++	0.65080						
	0.72896	0.72337	+++++				AVRG		0.68048		5.99503	<-
78 Tetrachloroethene	0.44191	0.41005	0.43815	0.43178	+++++	0.40763						
	+++++	0.46496	+++++				AVRG		0.43241		4.95674	<-
160 Methyldisulfide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
71 1,3-Dichloropropane	1.15543	1.12037	1.14120	1.08792	+++++	1.12080						
	1.24500	1.08679	1.22089				AVRG		1.14730		5.06940	<-
73 2-Hexanone	0.61969	0.79776	0.85542	0.86345	+++++	0.75487						
	+++++	+++++	+++++				AVRG		0.77824		12.73347	<-
69 3-ethyltoluene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
72 Dibromochloromethane	0.53604	0.54959	0.59548	0.60823	+++++	0.52302						
	+++++	0.50274	+++++				AVRG		0.55252		7.49603	<-
74 1,2-Dibromoethane(EDB)	0.62036	0.59066	0.59032	0.54809	+++++	0.57273						
	0.39602	0.60277	+++++				AVRG		0.56013		13.54285	<-
75 2-ethyltoluene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
86 1-Chlorohexane	26700	142499	458300	1037090	+++++	60333						
	3758	5163	+++++				LINR	0.04287	0.39129		0.99784	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	 m1	 m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
85 Chlorobenzene ++	1.86811	1.71124	1.78502	1.75154	+++++	1.74793						
	+++++	1.96951	+++++				AVRG		1.80556		5.33248	<-
88 Ethylbenzene +	0.87198	0.93809	1.05703	1.08675	+++++	0.88241						
	1.01985	0.75953	+++++				AVRG		0.94509		12.36547	<-
82 1,1,1,2-Tetrachloroethane	0.54846	0.52663	0.57581	0.58911	+++++	0.55550						
	0.48916	0.51400	+++++				AVRG		0.54267		6.46936	<-
89 p,m-Xylene	102642	479636	1465652	3353796	+++++	218938						
	9302	14981	4443				LINR	0.03640	1.31270		0.99934	<-
93 o-Xylene	45147	235825	721665	1636527	+++++	99912						
	2619	5618	1543				LINR	0.02174	1.28611		0.99934	<-
M 120 TOTAL XYLENE	147789	715461	2187317	4990323	+++++	318850						
	11921	20599	5986				LINR	0.00774	1.69816		0.99919	<-
91 Styrene	74117	343987	1089995	2577432	+++++	159647						
	6981	8439	2318				LINR	0.02653	2.01416		0.99845	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
90 Bromoform ++	0.29707	0.32077	0.36543	0.38757	+++++	0.29597						
	+++++	0.26296	+++++				AVRG		0.32163		14.56432	<-
96 Isopropylbenzene	111530	561950	1737767	3823209	+++++	243467						
	7445	13948	3682				LINR	0.01706	3.01470		0.99931	<-
76 Cyclohexanone	12442	70284	207004	456517	1045755	28040						
	+++++	628	+++++				LINR	0.11181	0.26610		0.99952	<-
103 2-methylnapthalene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
98 Bromobenzene	1.51248	1.59504	1.63679	1.56647	+++++	1.53574						
	+++++	1.37149	+++++				AVRG		1.53634		5.97893	<-
92 1,1,2,2-Tetrachloroethane++	51831	213451	585855	1274906	+++++	100374						
	4669	9061	2848				LINR	-0.02365	1.30122		0.99705	<-
100 n-Propylbenzene	126231	611060	1927902	4408497	+++++	280306						
	14223	16685	5784				LINR	0.00477	4.50055		0.99918	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
94 1,2,3-Trichloropropane	1.52786	1.54259	1.52137	1.45329	+++++	1.50545						
	1.98656	1.43675	+++++				AVRG		1.56769		12.04452	<-
95 trans-1,4-Dichloro-2-Butene	0.24860	0.25267	0.25550	0.25605	+++++	0.23781						
	+++++	+++++	+++++				AVRG		0.25013		2.99511	<-
101 2-Chlorotoluene	2.69061	2.88453	2.93430	2.73156	+++++	2.77168						
	3.51752	2.19593	3.26178				AVRG		2.87349		13.74783	<-
104 1,3,5-Trimethylbenzene	107760	500458	1471839	3291251	+++++	225218						
	7443	12495	3131				LINR	-0.00475	3.36580		0.99856	<-
102 4-Chlorotoluene	2.74615	2.72952	2.79197	2.72373	+++++	2.66069						
	+++++	2.22896	+++++				AVRG		2.64684		7.89781	<-
105 tert-butylbenzene	50426	247501	774568	1771338	+++++	108207						
	3491	6757	1632				LINR	0.00655	1.81055		0.99916	<-
84 Pentachloroethane	0.37341	0.38989	0.44092	0.46069	0.46889	0.40543						
	+++++	0.35728	+++++				AVRG		0.41379		10.55092	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
112 Dicyclopentadiene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
106 1,2,4-Trimethylbenzene	104339	476103	1427823	3241425	+++++	219308						
	7377	12055	3199				LINR	-0.00159	3.30695		0.99912	<-
107 sec-Butylbenzene	111200	526828	1638722	3765187	+++++	239070						
	11233	15409	4741				LINR	0.00406	3.83901		0.99934	<-
108 1,3-Dichlorobenzene	1.63649	1.57563	1.65477	1.65970	+++++	1.55176						
	+++++	1.71990	+++++				AVRG		1.63304		3.73898	<-
111 p-Isopropyltoluene	88825	428538	1369335	3232444	+++++	192754						
	8429	10688	3144				LINR	0.01187	3.28916		0.99959	<-
110 1,4-Dichlorobenzene	1.63308	1.53598	1.53715	1.52470	+++++	1.56115						
	+++++	2.06301	+++++				AVRG		1.64251		12.76676	<-
81 1-3 Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

168836

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
79 1-4 Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
114 n-Butylbenzene	2.25028	2.54922	2.62526	2.60398	+++++	2.49597						
	+++++	2.31169	+++++				AVRG		2.47273		6.32486	<-
113 1,2-Dichlorobenzene	1.63087	1.63413	1.66950	1.62902	+++++	1.62753						
	+++++	1.78900	+++++				AVRG		1.66334		3.82090	<-
77 1-2 Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
115 1,2-Dibromo-3-Chloropropane	6237	29896	95719	234854	+++++	13561						
	491	568	92.00000				LINR	0.01848	0.23800		0.99958	<-
99 Benzal Chloride	4561	30550	131447	414498	1086440	10930						
	+++++	97.00000	+++++				QUAD	0.23021	4.00664	-0.37075	0.99655	<-
116 1,2,4-Trichlorobenzene	0.67646	0.75521	0.81086	0.80635	+++++	0.71739						
	+++++	0.82011	+++++				AVRG		0.76440		7.63935	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
118 Hexachlorobutadiene	0.27326	0.26895	0.26891	0.26561	+++++	0.26202						
	+++++	0.36219	+++++				AVRG		0.28349		13.66486	<-
M 121 Total Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
117 Naphthalene	3.09089	3.33362	3.23935	2.93829	+++++	3.16292						
	+++++	3.96873	+++++				AVRG		3.28897		10.91722	<-
119 1,2,3-Trichlorobenzene	0.79933	0.83026	0.81317	0.81378	+++++	0.77239						
	+++++	0.84448	+++++				AVRG		0.81223		3.07646	<-
$ 39 Dibromofluoromethane	0.25118	0.23413	0.24703	0.25321	+++++	0.23923						
	+++++	0.23770	+++++				AVRG		0.24375		3.20513	<-
$ 41 1,2-Dichloroethane-d4	0.15935	0.15243	0.16152	0.16246	+++++	0.17129						
	+++++	0.18806	+++++				AVRG		0.16585		7.50895	<-
$ 68 Toluene-d8	2.11900	2.01403	2.10067	2.01855	+++++	2.10302						
	+++++	1.93714	+++++				AVRG		2.04873		3.46172	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
$ 97 Bromofluorobenzene	0.46818	0.45221	0.52508	0.53654	+++++	0.45986						
	+++++	0.44136	+++++				AVRG		0.48054		8.34319	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-2007 09:36
End Cal Date : 29-DEC-2007 15:53
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Cal Date : 30-Dec-2007 17:06 jck

Average %RSD Results.	
Calculated Average %RSD =	8.68296
Maximun Average %RSD =	15.00000
* Passed Average %RSD Test.	

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

GCAL, Inc.

Data file : /var/chem/msv9.i/2071220.s.b/a9690.d
Lab Smp Id: 1000 Client Smp ID: V9BFB01
Inj Date : 20-DEC-2007 07:43
Operator : ADI Inst ID: msv9.i
Smp Info : 1000*V9BFB01
Misc Info : MSV~12149~*1*ADI
Comment :
Method : /var/chem/msv9.i/2071220.s.b/bfb9.m
Meth Date : 22-Sep-2007 07:59 adi Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb					CAS #: 460-00-4		
13.121	13.240 (0.000)	95	103202			100.00- 100.00	100.00
13.121	13.240 (0.000)	50	27589			15.00- 40.00	26.73
13.121	13.240 (0.000)	75	53971			30.00- 60.00	52.30
13.121	13.240 (0.000)	96	7333			5.00- 9.00	7.11
13.121	13.240 (0.000)	173	1407			0.00- 2.00	1.97
13.121	13.240 (0.000)	174	71480			50.00- 120.00	69.26
13.121	13.240 (0.000)	175	5921			5.00- 9.00	8.28
13.121	13.240 (0.000)	176	69248			95.00- 101.00	96.88
13.121	13.240 (0.000)	177	4309			5.00- 9.00	6.22

168841

Data File: /var/chem/msv9.i/2071220.s.b/a9690.d

Date : 20-DEC-2007 07:43

Client ID: V9BFB01

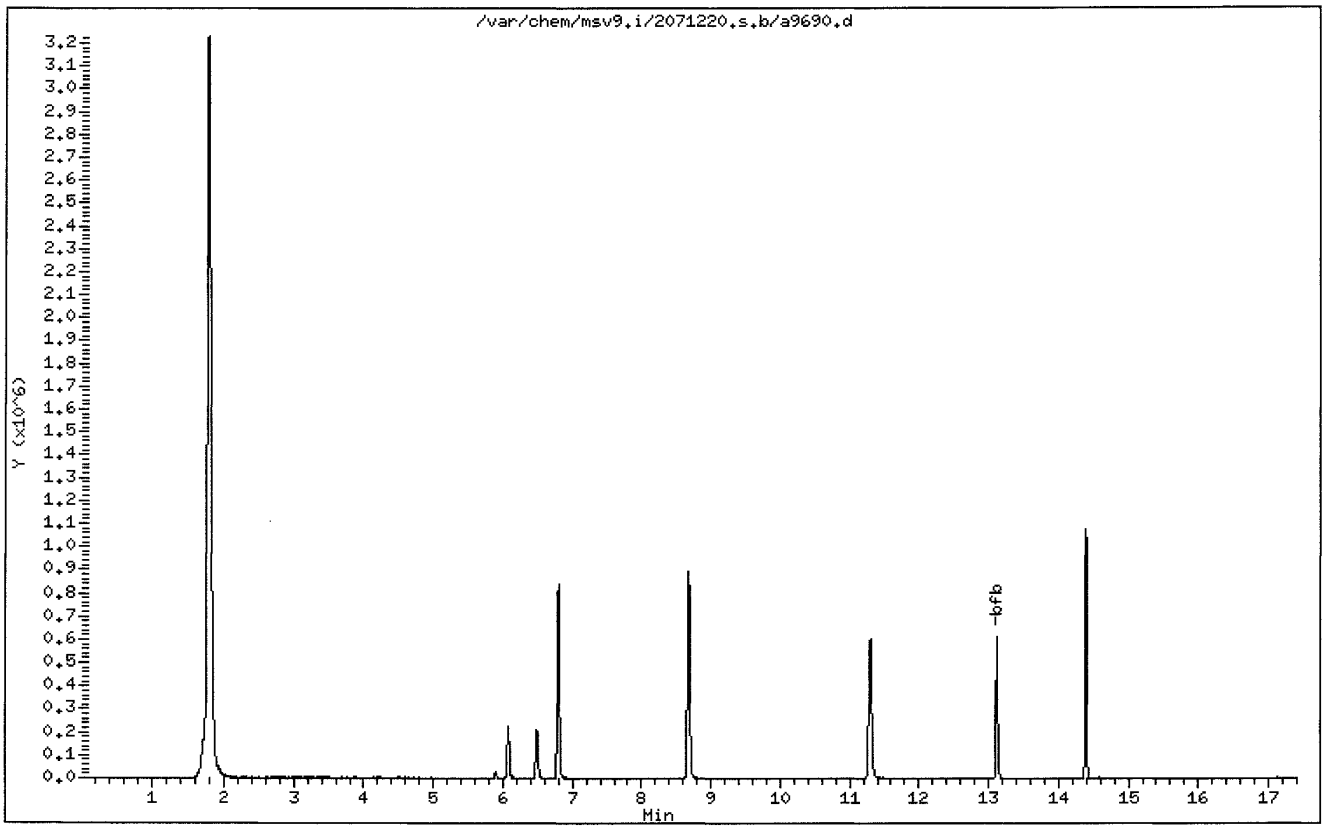
Instrument: msv9.i

Sample Info: 1000xV9BFB01

Operator: ADI

Column phase: DB-VRX-20M

Column diameter: 0.18



Data File: /var/chem/msv9.i/2071220.s.b/a9690.d

Date : 20-DEC-2007 07:43

Client ID: V9BFB01

Instrument: msv9.i

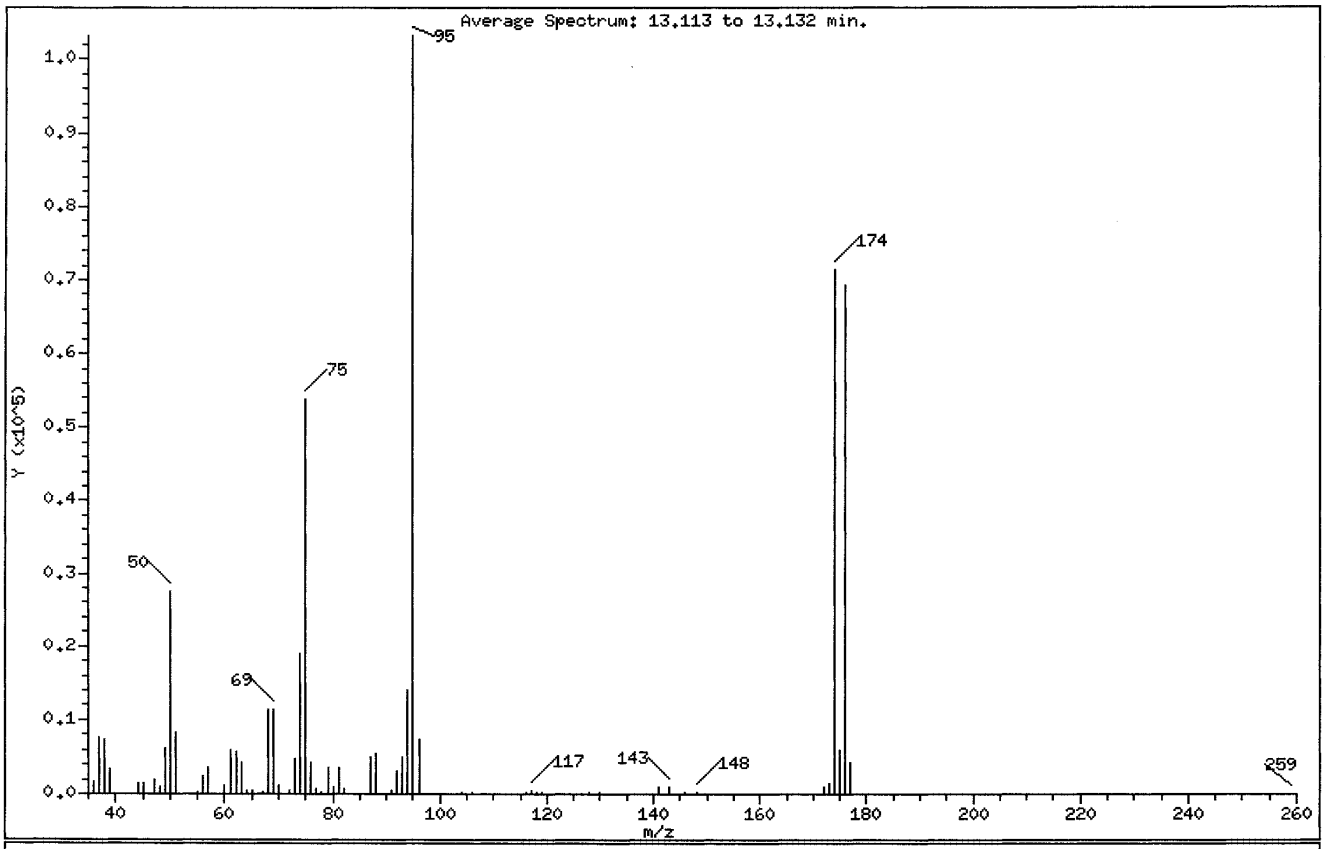
Sample Info: 1000xV9BFB01

Operator: ADI

Column phase: DB-VRX-20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	26.73
75	30.00 - 60.00% of mass 95	52.30
96	5.00 - 9.00% of mass 95	7.11
173	Less than 2.00% of mass 174	1.36 (1.97)
174	50.00 - 120.00% of mass 95	69.26
175	5.00 - 9.00% of mass 174	5.74 (8.28)
176	95.00 - 101.00% of mass 174	67.10 (96.88)
177	5.00 - 9.00% of mass 176	4.18 (6.22)

168843

Data File: /var/chem/msv9.i/2071220.s.b/a9690.d

Date : 20-DEC-2007 07:43

Client ID: V9BFB01

Instrument: msv9.i

Sample Info: 1000xV9BFB01

Operator: ADI

Column phase: DB-VRX-20M

Column diameter: 0.18

Data File: a9690.d
Spectrum: Average Spectrum: 13.113 to 13.132 min.
Location of Maximum: 95.00
Number of points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1552	62.00	5619	86.00	62	141.00	833
37.00	7703	63.00	4385	87.00	5083	143.00	928
38.00	7463	64.00	563	88.00	5390	145.00	72
39.00	3293	65.00	499	91.00	407	146.00	167
44.00	1331	67.00	186	92.00	2991	148.00	151
45.00	1336	68.00	11317	93.00	4919	157.00	67
46.00	72	69.00	11463	94.00	14054	159.00	81
47.00	1990	70.00	1075	95.00	103200	170.00	75
48.00	905	72.00	437	96.00	7333	172.00	911
49.00	6219	73.00	4733	104.00	333	173.00	1407
50.00	27584	74.00	18928	106.00	295	174.00	71480
51.00	8233	75.00	53968	116.00	300	175.00	5921
52.00	78	76.00	4380	117.00	381	176.00	69248
53.00	84	77.00	679	118.00	307	177.00	4309
55.00	277	78.00	231	119.00	341	259.00	86
56.00	2256	79.00	3624	120.00	69		
57.00	3672	80.00	932	128.00	239		
60.00	1151	81.00	3613	130.00	238		
61.00	5839	82.00	824	135.00	82		

168844

GCAL, Inc.

Data file : /var/chem/msv9.i/2071220.s.b/a9693.d
Lab Smp Id: 1208 Client Smp ID: V9STD001PPBAPP9
Inj Date : 20-DEC-2007 09:36
Operator : ADI Inst ID: msv9.i
Smp Info : 1208*V9STD001PPBAPP9
Misc Info : MSV~12149~*1*ADI
Comment :
Method : /var/chem/msv9.i/2071220.s.b/8260bw9D1.m
Meth Date : 09-Jan-2008 13:44 rjo Quant Type: ISTD
Cal Date : 20-DEC-2007 09:36 Cal File: a9693.d
Als bottle: 1 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
12 Ethyl Ether	59	3.375	3.375	(0.497)	34839	5.00000	5.00	9043(aM2)
10 Acetonitrile	41	4.139	4.139	(0.609)	10883	5.00000	5.00	7564(a)
53 Ethyl Acetate	43	5.598	5.598	(0.824)	44268	5.00000	5.00	3654(a)
27 Chloroprene	53	5.001	5.001	(0.736)	6957	1.00000	1.00	0(aM1)
17 Allyl chloride	39	4.053	4.053	(0.596)	7810	1.00000	1.00	6489(a)
24 Propionitrile	54	5.754	5.754	(0.847)	6942	5.00000	5.00	6846(a)
30 Methylacrylonitrile	41	6.063	6.063	(0.892)	623	1.00000		0(aM1)
34 Isobutyl Alcohol	43	6.392	6.392	(0.941)	2520	5.00000	5.00	5552(aH)
35 Tetrahydrofuran	42	5.846	5.846	(0.860)	11435	5.00000	5.00	8369(A)
* 50 FLUOROBENZENE	96	6.797	6.797	(1.000)	862229	50.0000		
48 2-3 Dichloro-1-Proprene	75	7.561	7.561	(1.112)	5735	1.00000		8231(a)
49 2-Nitropropane	43	9.248	9.248	(1.361)	952	1.00000	1.00	6259(a)
51 1,4- Dioxane	58	7.656	7.656	(1.126)	570	25.0000	25.0	0(aM1)
59 1-Nitropropane	43	8.208	8.208	(1.208)	1507	1.00000	1.00	6311(a)

168845

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
64 Ethyl Methacrylate	41	9.256	9.256	(0.819)	4171	1.00000	1.00	0(aM1)
* 83 CHLOROBENZENE-d5	82	11.303	11.303	(1.000)	361647	50.0000		
76 Cyclohexanone	55	13.113	13.113	(1.160)	628	2.00000	2.00	0(aM1)
84 Pentachloroethane	167	13.991	13.991	(0.972)	1789	1.00000	1.00	0(aM1)
* 109 1,4-DICHLOROBENZENE-D4	152	14.390	14.390	(1.000)	250366	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M1- Compound response manually integrated because
Target system did not integrate.
M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

168846

Data File: /var/chem/msv9.i/2071220.s.b/a9693.d

Page 1

Date : 20-DEC-2007 09:36

Client ID: V9STD001PPBAPP9

Instrument: msv9.i

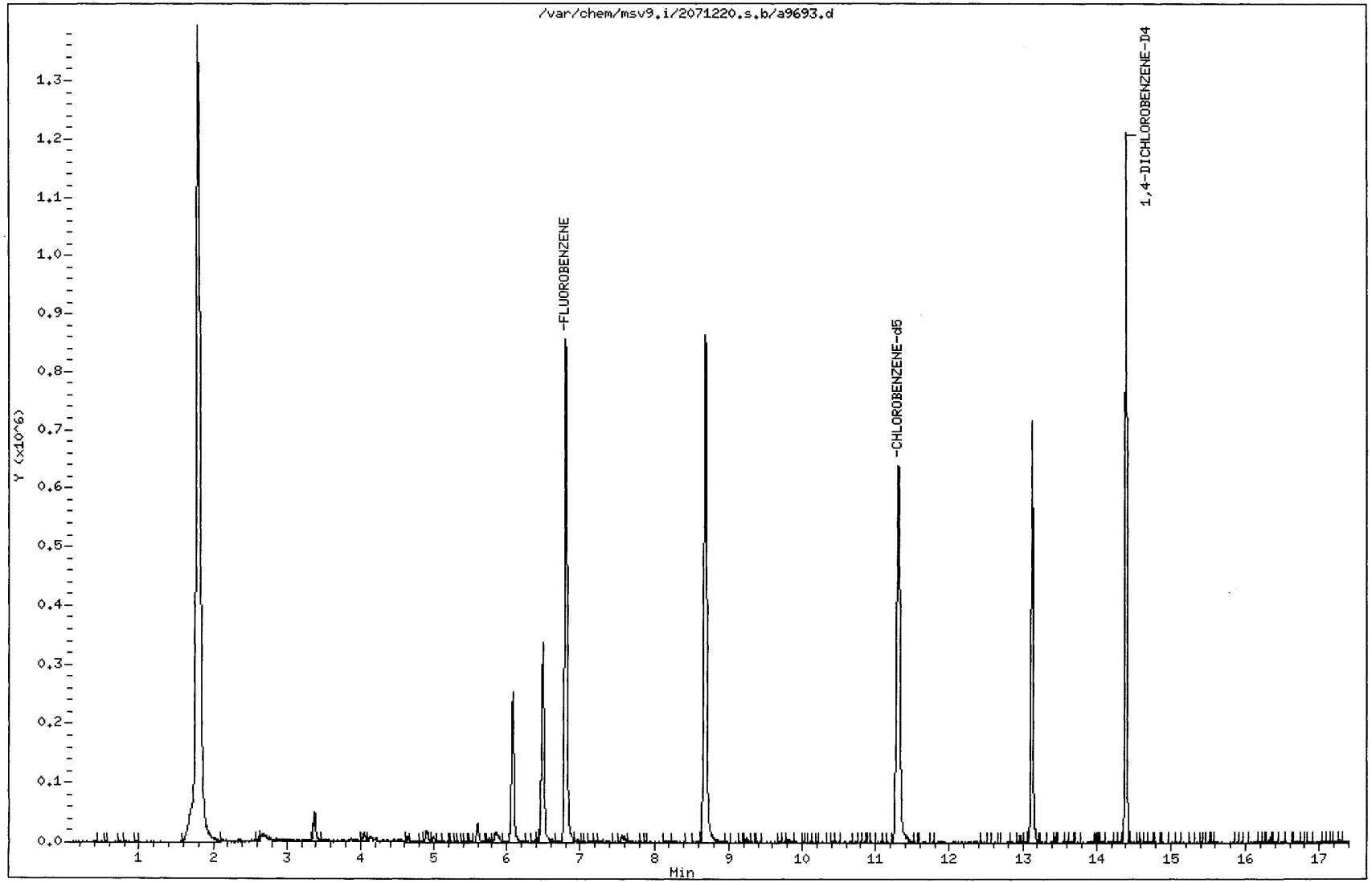
Sample Info: 1208*V9STD001PPBAPP9

Purge Volume: 5.0

Operator: ADI

Column phase: DB-VRX-20M

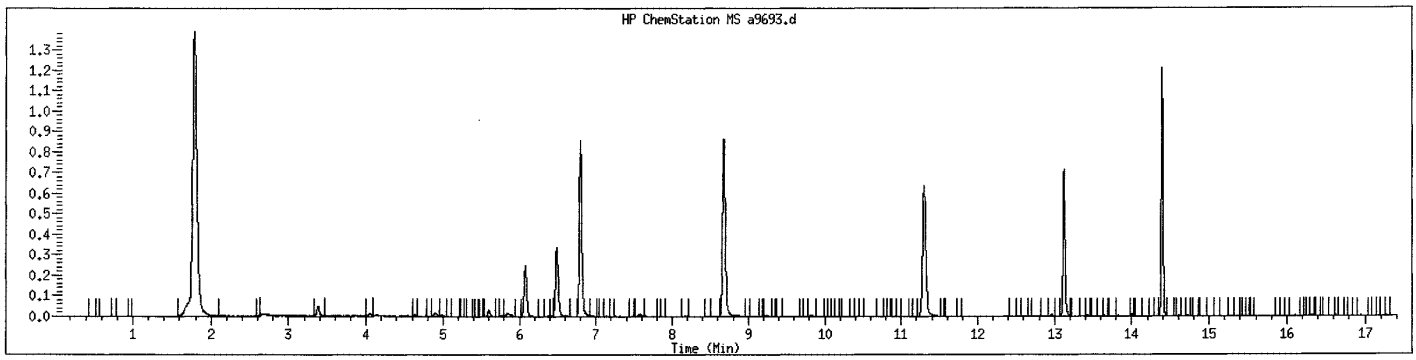
Column diameter: 0.18



Data file : /var/chem/msv9.i/2071220.s.b/a9693.d Page: 1
Report Date: 01/09/2008 13:44

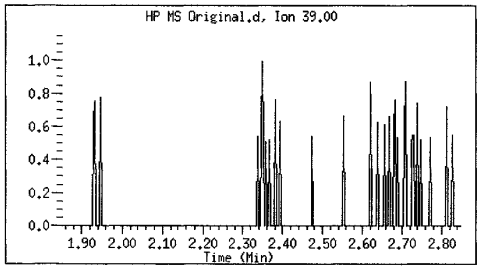
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1208 SampleType : CALIB_8
Injection Date: 12/20/2007 09:36 Instrument : msv9.i
Operator : ADI
Sample Info : 1208*V9STD001PPBAPP9
Misc Info : MSV~12149~*1*ADI
Method : /var/chem/msv9.i/2071220.s.b/8260bw9D1.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



Original Final

4 1-3 Butadiene CAS#: 106-99-0 Reason: M1



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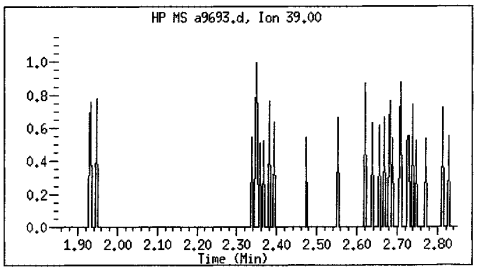
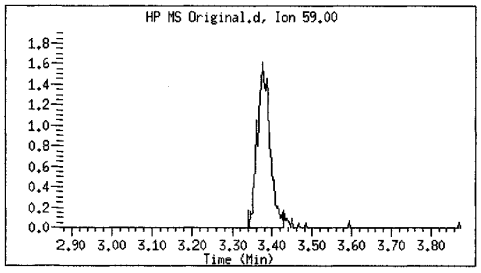
Date: 12/20/2007 10:45



12 Ethyl Ether CAS#: 60-29-7 Reason: M2



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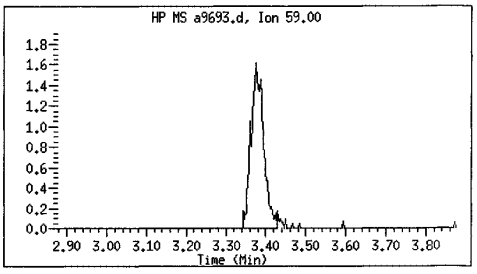
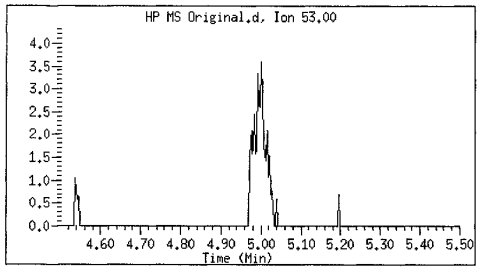


168848

Original Final

27 Chloroprene CAS#: 126-99-8 Reason: M1



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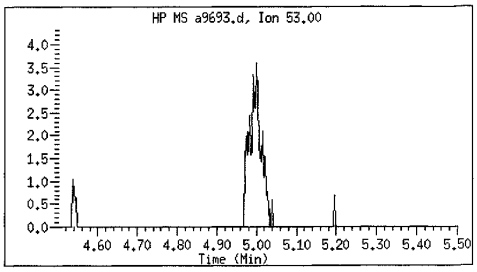

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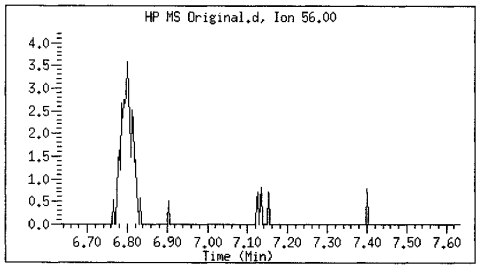
40 n-Butanol CAS#: 71-36-3 Reason: M1



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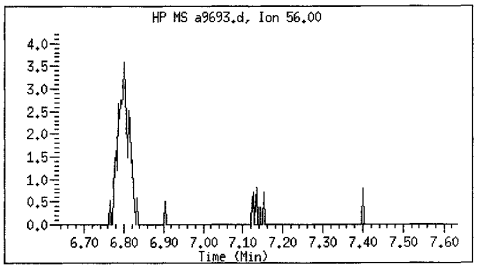

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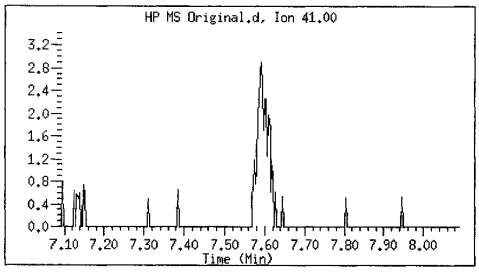
52 Methyl methacrylate CAS#: 80-62-6 Reason: M1



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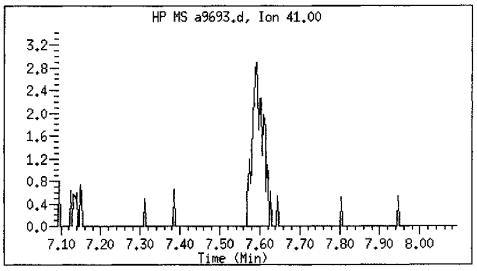

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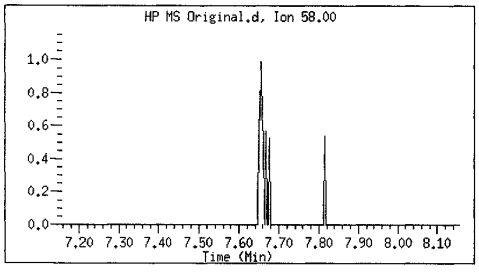
51 1,4- Dioxane CAS#: 123-91-1 Reason: M1



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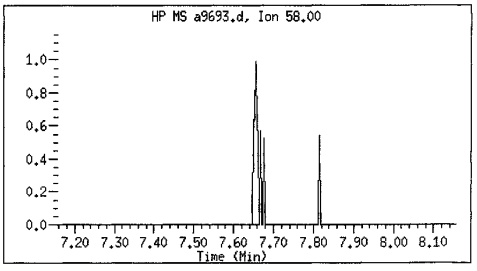

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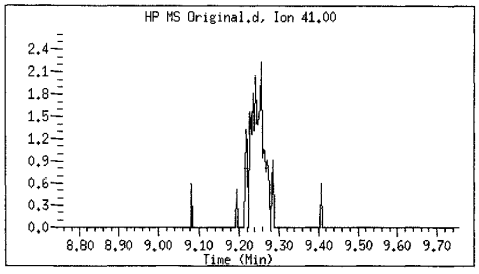
64 Ethyl Methacrylate CAS#: 97-63-2 Reason: M1



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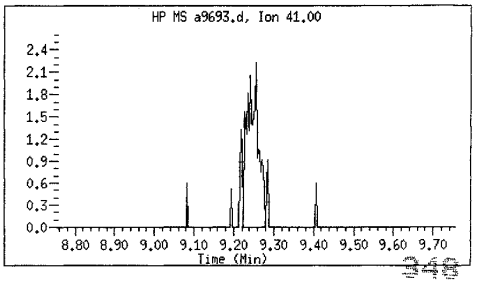
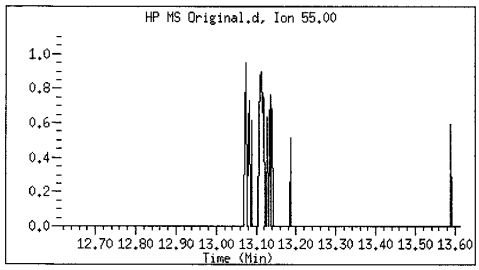


Original Final

76 Cyclohexanone CAS#: 108-94-1 Reason: M1



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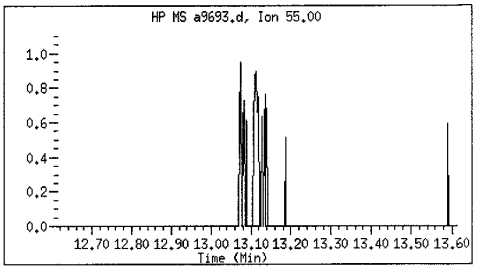
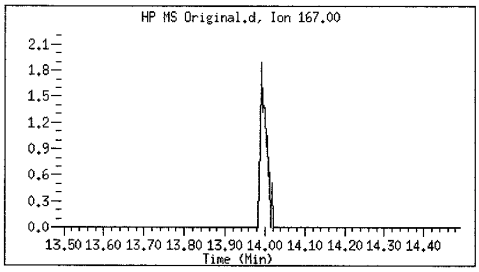


84 Pentachloroethane CAS#: 76-01-7 Reason: M1



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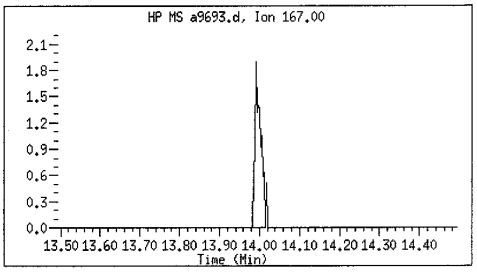
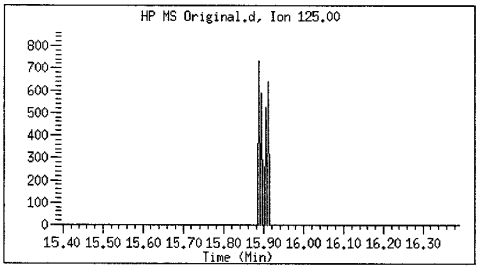


99 Benzal Chloride CAS#: 98-87-3 Reason: M1



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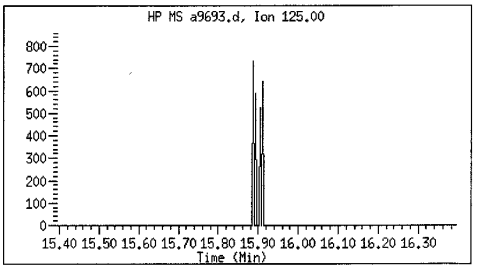
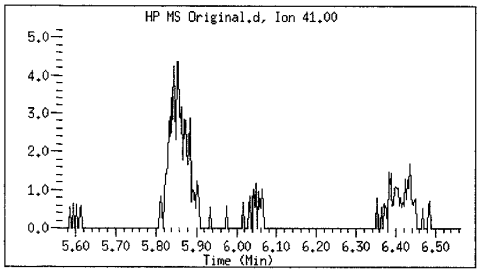
User: was
Date: 12/20/2007 10:45

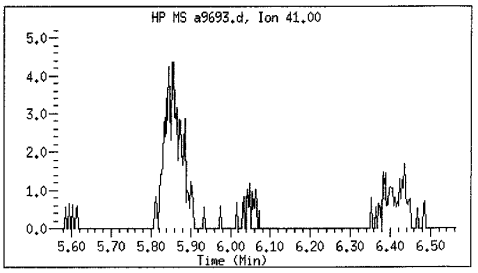


30 Methylacrylonitrile CAS#: 126-98-7 Reason: M1



Electronic Signature Applied

User: was
Date: 12/20/2007 10:43



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

GCAL, Inc.

Data file : /var/chem/msv9.i/2071220.s.b/a9694.d
Lab Smp Id: 1201 Client Smp ID: V9STD005PPBAPP9
Inj Date : 20-DEC-2007 09:58
Operator : ADI Inst ID: msv9.i
Smp Info : 1201*V9STD005PPBAPP9
Misc Info : MSV~12149~*1*ADI
Comment :
Method : /var/chem/msv9.i/2071220.s.b/8260bw9D1.m
Meth Date : 09-Jan-2008 13:44 rjo Quant Type: ISTD
Cal Date : 20-DEC-2007 09:58 Cal File: a9694.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
12	Ethyl Ether	59	3.375	3.375	(0.496)	176469	25.0000	24.5	9506(a)
4	1-3 Butadiene	39	2.354	2.354	(0.346)	6759	5.00000	5.00	0(M1)
10	Acetonitrile	41	4.145	4.145	(0.610)	54481	25.0000	24.4	8970(a)
53	Ethyl Acetate	43	5.595	5.595	(0.823)	231522	25.0000	24.9	3923(a)
27	Chloroprene	53	4.998	4.998	(0.735)	40372	5.00000	5.25	9441
17	Allyl chloride	39	4.039	4.039	(0.594)	40236	5.00000	4.95	7633(a)
24	Propionitrile	54	5.748	5.748	(0.845)	38036	25.0000	25.5	9056
28	Isopropyl Ether	45	4.903	4.903	(0.721)	100736	5.00000	5.01	9427
30	Methylacrylonitrile	41	6.044	6.044	(0.889)	26714	5.00000	5.00	6740(M3)
34	Isobutyl Alcohol	43	6.392	6.392	(0.940)	7848	25.0000	25.0	7954
35	Tetrahydrofuran	42	5.846	5.846	(0.860)	73854	25.0000	27.6	9266(A)
40	n-Butanol	56	7.143	7.143	(1.050)	3325	5.00000	5.00	0(aM1)
* 50	FLUOROBENZENE	96	6.800	6.800	(1.000)	906892	50.0000		
48	2-3 Dichloro-1-Proprene	75	7.566	7.566	(1.113)	31693	5.00000	5.00	9072

168851

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
49 2-Nitropropane	43	9.268	9.268	(1.363)	7950	5.00000	5.00	7465
51 1,4- Dioxane	58	7.664	7.664	(1.127)	7320	125.000	125	7450
52 Methyl methacrylate	41	7.600	7.600	(1.118)	30573	5.00000	5.00	0(aM1)
59 1-Nitropropane	43	8.194	8.194	(1.205)	10009	5.00000	5.00	8592
64 Ethyl Methacrylate	41	9.234	9.234	(0.817)	27825	5.00000	5.00	0(M1)
* 83 CHLOROBENZENE-d5	82	11.300	11.300	(1.000)	376725	50.0000		
76 Cyclohexanone	55	13.074	13.074	(1.157)	12442	10.0000	10.0	8244
84 Pentachloroethane	167	14.000	14.000	(0.973)	10354	5.00000	5.11	0(M1)
* 109 1,4-DICHLOROBENZENE-D4	152	14.393	14.393	(1.000)	277279	50.0000		
99 Benzal Chloride	125	15.893	15.893	(1.104)	4561	10.0000	10.0	7661

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
M1- Compound response manually integrated because Target system did not integrate.
M3- Compound response manually integrated because Target system integrated incorrect peak.

168852

Data File: /var/chem/msv9.i/2071220.s.b/a9694.d

Page 1

Date : 20-DEC-2007 09:58

Client ID: V9STD005PPBAPP9

Instrument: msv9.i

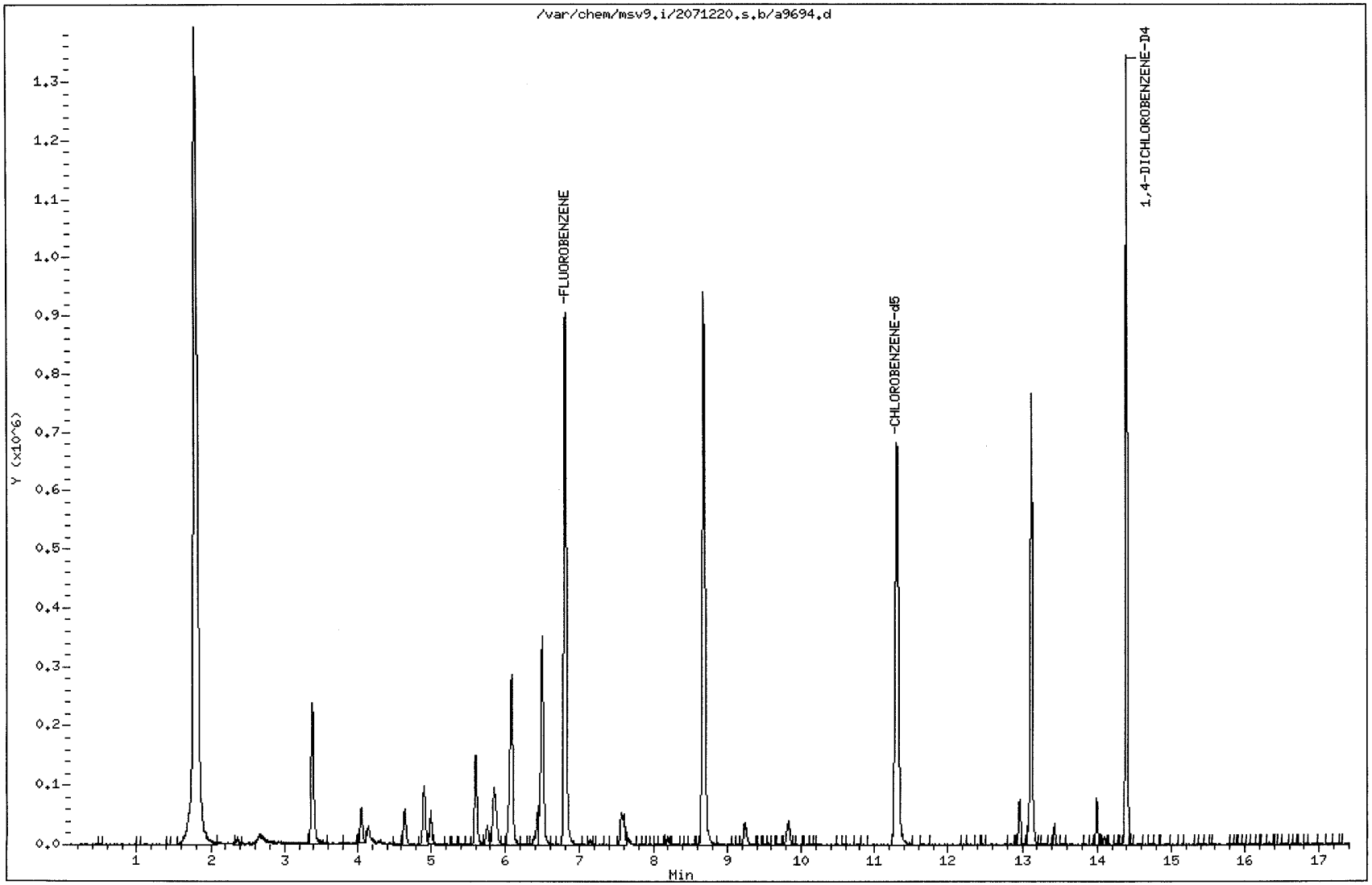
Sample Info: 1201*V9STD005PPBAPP9

Purge Volume: 5.0

Operator: ADI

Column phase: DB-VRX-20M

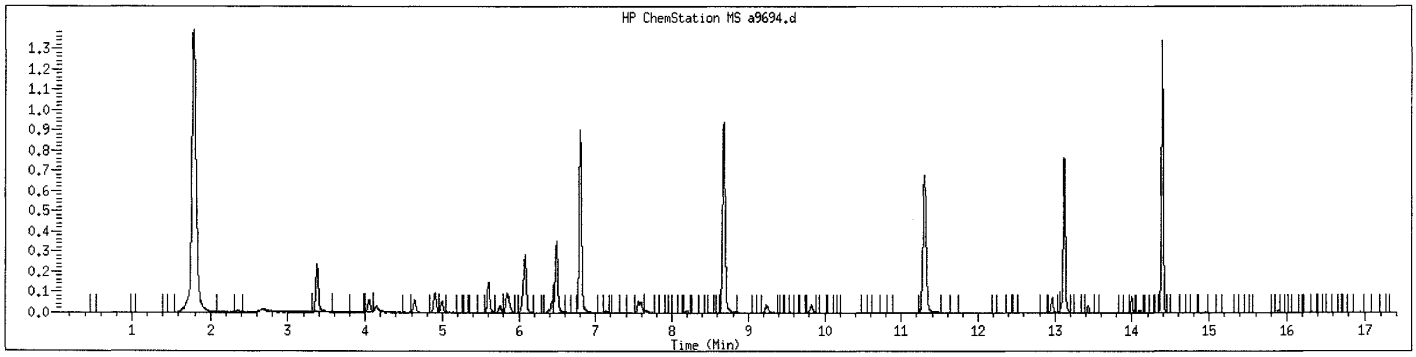
Column diameter: 0.18



Data file : /var/chem/msv9.i/2071220.s.b/a9694.d Page: 1
Report Date: 01/09/2008 13:44

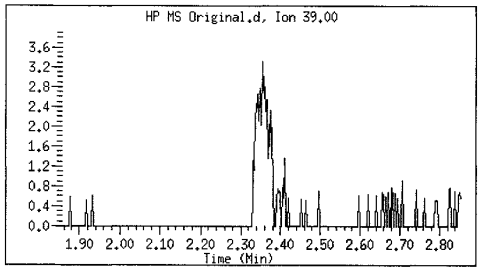
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1201 SampleType : CALIB_1
Injection Date: 12/20/2007 09:58 Instrument : msv9.i
Operator : ADI
Sample Info : 1201*V9STD005PPBAPP9
Misc Info : MSV~12149~*1*ADI
Method : /var/chem/msv9.i/2071220.s.b/8260bw9D1.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



Original Final

4 1-3 Butadiene CAS#: 106-99-0 Reason: M1



Electronic Signature
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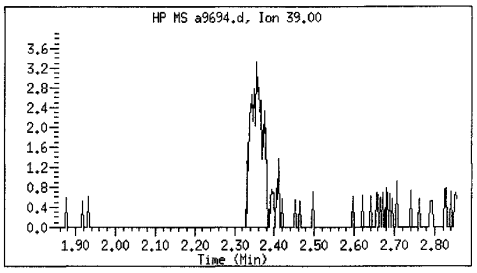
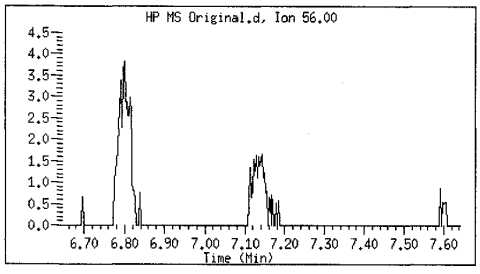
User: was
Date: 12/20/2007 10:45



40 n-Butanol CAS#: 71-36-3 Reason: M1



Electronic Signature
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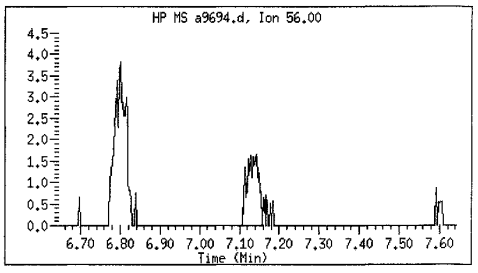
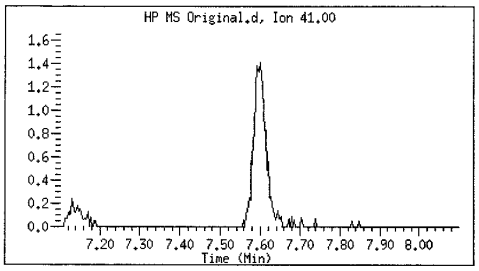
User: was
Date: 12/20/2007 10:46



168854

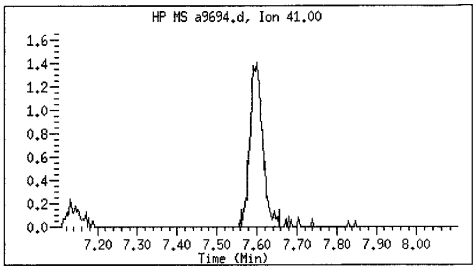
Original Final

52 Methyl methacrylate CAS#: 80-62-6 Reason: M1

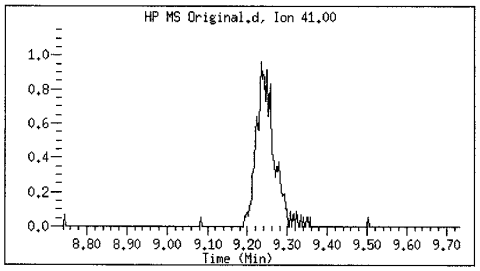


Electronic Signature Applied

User: was
Date: 12/20/2007 10:46

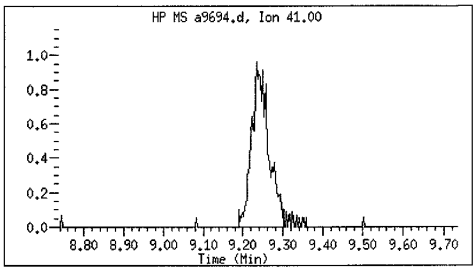


64 Ethyl Methacrylate CAS#: 97-63-2 Reason: M1

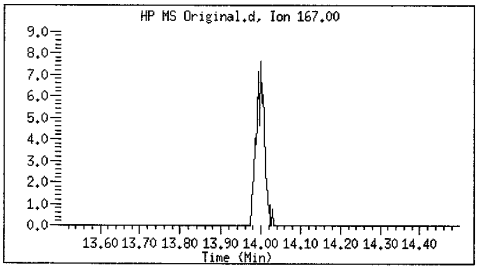


Electronic Signature Applied

User: was
Date: 12/20/2007 10:46



84 Pentachloroethane CAS#: 76-01-7 Reason: M1



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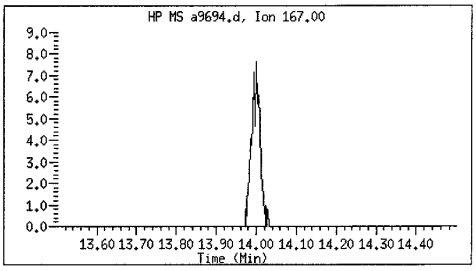
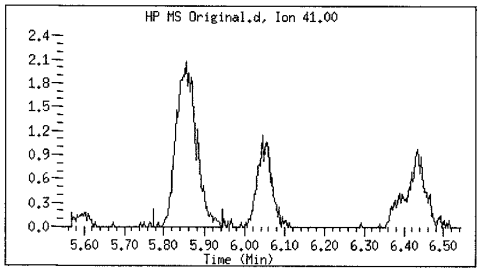
Date: 12/20/2007 10:46

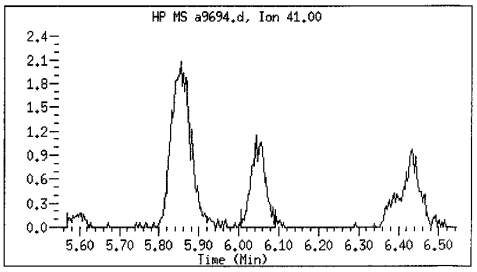


30 Methylacrylonitrile CAS#: 126-98-7 Reason: M3



Electronic Signature Applied

User: was
Date: 12/20/2007 10:46



M1 - Target system did not integrate
M3 - Target system integrated incorrect peak

GCAL, Inc.

Data file : /var/chem/msv9.i/2071220.s.b/a9695.d
Lab Smp Id: 1206 Client Smp ID: V9STD010PPBAPP9
Inj Date : 20-DEC-2007 10:25
Operator : ADI Inst ID: msv9.i
Smp Info : 1206*V9STD010PPBAPP9
Misc Info : MSV~12149~*1*ADI
Comment :
Method : /var/chem/msv9.i/2071220.s.b/8260bw9D1.m
Meth Date : 09-Jan-2008 13:44 rjo Quant Type: ISTD
Cal Date : 20-DEC-2007 10:25 Cal File: a9695.d
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
12 Ethyl Ether	59	3.375	3.375	(0.496)	349147	50.0000	50.6	9690
4 1-3 Butadiene	39	2.357	2.357	(0.347)	14186	10.0000	10.5	0(M1)
10 Acetonitrile	41	4.145	4.145	(0.610)	110009	50.0000	51.1	9147
53 Ethyl Acetate	43	5.598	5.598	(0.823)	477173	50.0000	52.6	3868
27 Chloroprene	53	4.995	4.995	(0.735)	88670	10.0000	11.3	9298
17 Allyl chloride	39	4.044	4.044	(0.595)	79444	10.0000	10.2	7657
24 Propionitrile	54	5.757	5.757	(0.847)	69648	50.0000	49.4	9256
28 Isopropyl Ether	45	4.909	4.909	(0.722)	219589	10.0000	10.9	9695
30 Methylacrylonitrile	41	6.049	6.049	(0.890)	57830	10.0000	10.6	6477
34 Isobutyl Alcohol	43	6.384	6.384	(0.939)	15149	50.0000	50.0	7456(M2)
35 Tetrahydrofuran	42	5.843	5.843	(0.859)	151583	50.0000	55.9	9490(A)
40 n-Butanol	56	7.137	7.137	(1.050)	9387	10.0000	10.2	8604(a)
* 50 FLUOROBENZENE	96	6.800	6.800	(1.000)	864045	50.0000		
48 2-3 Dichloro-1-Proprene	75	7.558	7.558	(1.112)	69592	10.0000	10.7	9263

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
49 2-Nitropropane	43	9.268	9.268	(1.363)	18105	10.0000	10.1	7616
51 1,4- Dioxane	58	7.659	7.659	(1.126)	17316	250.000	253	8293
52 Methyl methacrylate	41	7.597	7.597	(1.117)	75934	10.0000	10.2	9408(a)
59 1-Nitropropane	43	8.202	8.202	(1.206)	20687	10.0000	10.1	8345
64 Ethyl Methacrylate	41	9.245	9.245	(0.818)	68716	10.0000	10.2	0(M1)
* 83 CHLOROBENZENE-d5	82	11.300	11.300	(1.000)	358438	50.0000		
76 Cyclohexanone	55	13.077	13.077	(1.157)	28040	20.0000	20.2	8927
84 Pentachloroethane	167	14.003	14.003	(0.973)	21942	10.0000	10.7	9330
* 109 1,4-DICHLOROBENZENE-D4	152	14.393	14.393	(1.000)	270602	50.0000		
99 Benzal Chloride	125	15.896	15.896	(1.104)	10930	20.0000	20.0	8114

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.

168857

Data File: /var/chem/msv9.i/2071220.s.b/a9695.d

Page 1

Date : 20-DEC-2007 10:25

Client ID: V9STD010PPBAPP9

Instrument: msv9.i

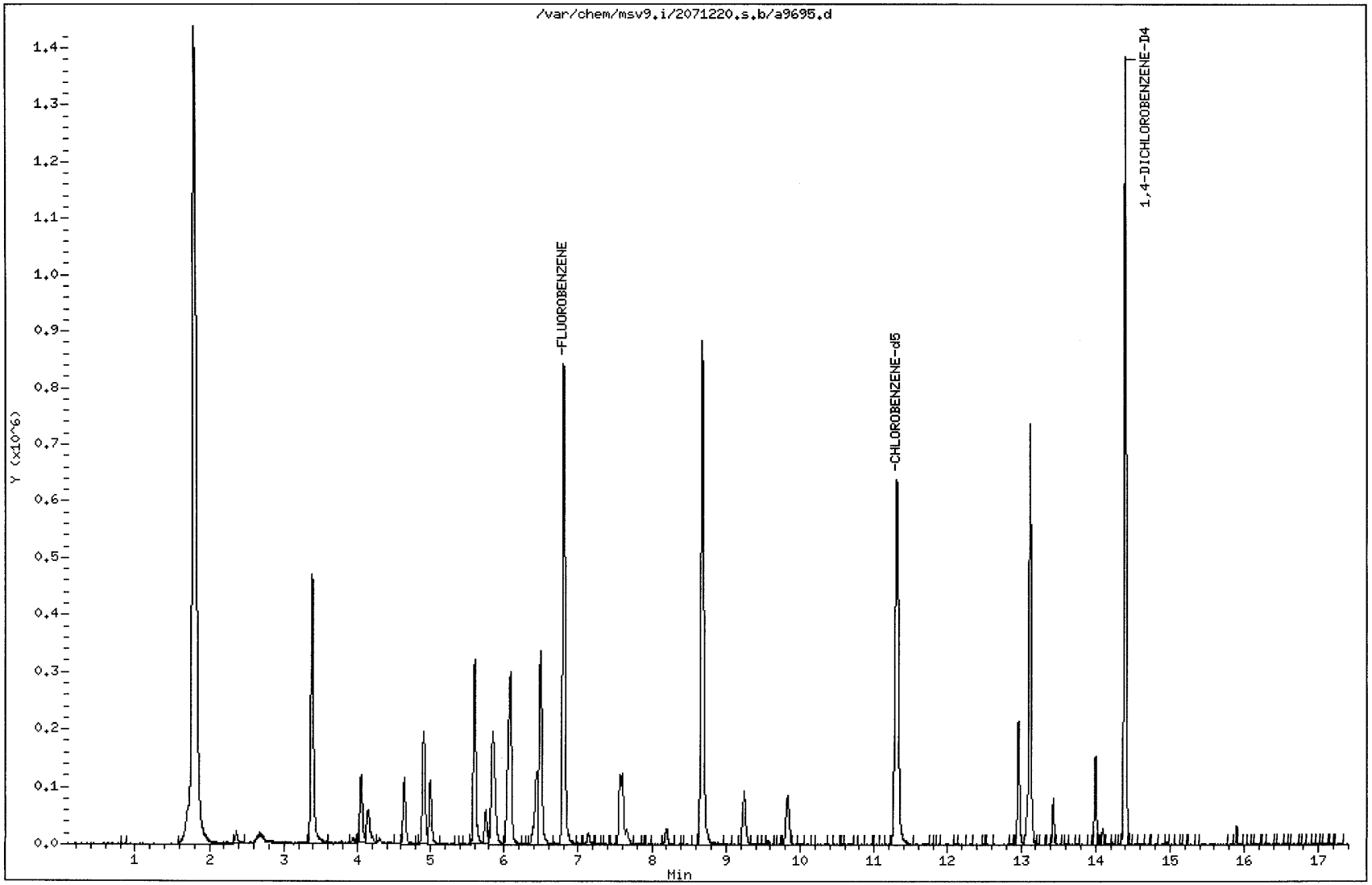
Sample Info: 1206*V9STD010PPBAPP9

Purge Volume: 5.0

Operator: ADI

Column phase: DB-VRX-20M

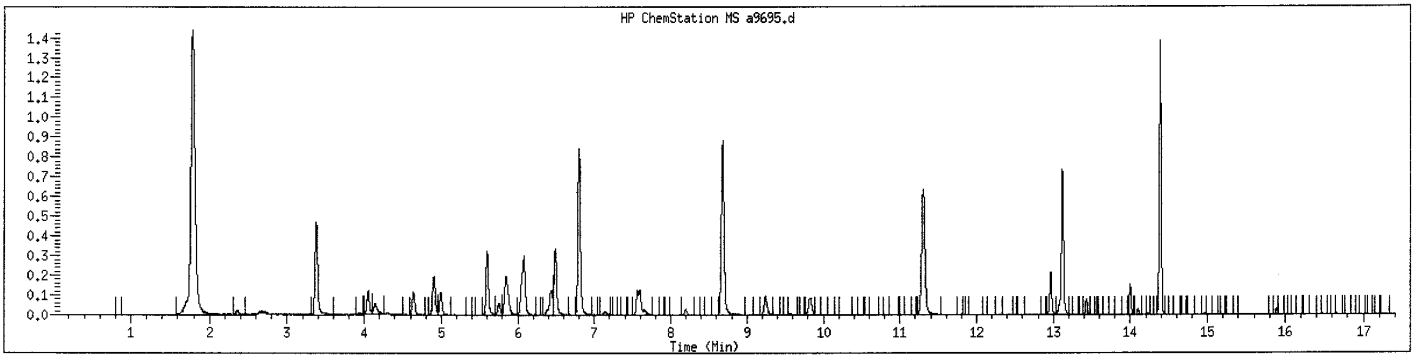
Column diameter: 0.18



Data file : /var/chem/msv9.i/2071220.s.b/a9695.d Page: 1
Report Date: 01/09/2008 13:44

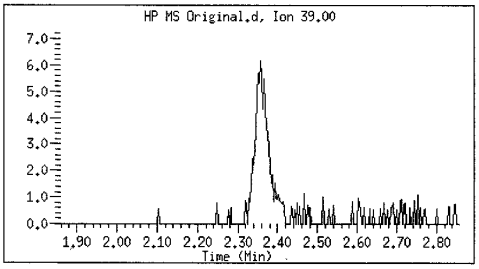
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1206 SampleType : CALIB_6
Injection Date: 12/20/2007 10:25 Instrument : msv9.i
Operator : ADI
Sample Info : 1206*V9STD010PPBAPP9
Misc Info : MSV~12149~*1*ADI
Method : /var/chem/msv9.i/2071220.s.b/8260bw9D1.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



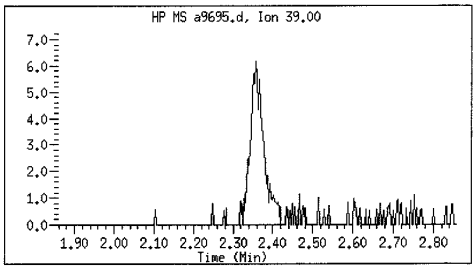
Original Final

4 1-3 Butadiene CAS#: 106-99-0 Reason: M1

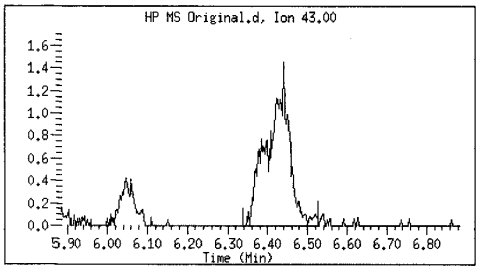


Electronic Signature
Applied

User: was
Date: 12/20/2007 10:47

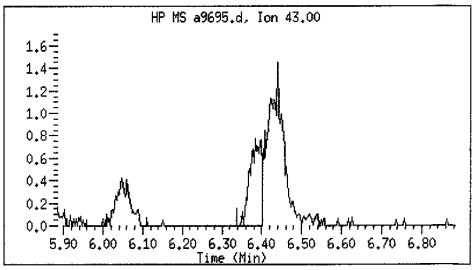


34 Isobutyl Alcohol CAS#: 78-83-1 Reason: M2



Electronic Signature
Applied

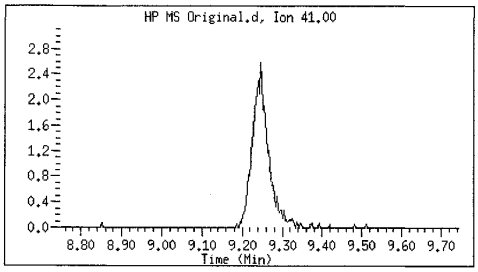
User: kcb
Date: 12/20/2007 12:46



168859

Original Final

64 Ethyl Methacrylate CAS#: 97-63-2 Reason: M1



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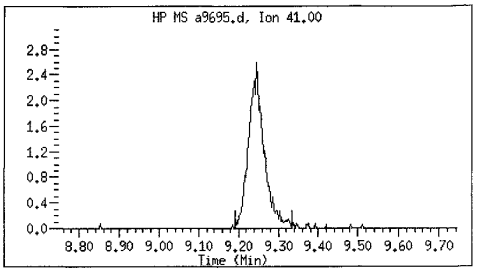
Date: 12/20/2007 10:47



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

168860

GCAL, Inc.

Data file : /var/chem/msv9.i/2071220.s.b/a9696.d
Lab Smp Id: 1202 Client Smp ID: V9STD020PPBAPP9
Inj Date : 20-DEC-2007 10:51
Operator : ADI Inst ID: msv9.i
Smp Info : 1202*V9STD020PPBAPP9
Misc Info : MSV~12149~*1*ADI
Comment :
Method : /var/chem/msv9.i/2071220.s.b/8260bw9D1.m
Meth Date : 09-Jan-2008 13:44 rjo Quant Type: ISTD
Cal Date : 20-DEC-2007 10:51 Cal File: a9696.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
12 Ethyl Ether	59	3.381	3.381	(0.497)	748294	100.000	98.4	9484
4 1-3 Butadiene	39	2.354	2.354	(0.346)	26170	20.0000	18.2	8435
10 Acetonitrile	41	4.145	4.145	(0.609)	214484	100.000	92.3	9583
53 Ethyl Acetate	43	5.598	5.598	(0.823)	1072024	100.000	105	3900
27 Chloroprene	53	4.995	4.995	(0.734)	196065	20.0000	21.9	9526
17 Allyl chloride	39	4.047	4.047	(0.595)	159864	20.0000	18.8	7739
24 Propionitrile	54	5.745	5.745	(0.845)	166201	100.000	105	9290
28 Isopropyl Ether	45	4.906	4.906	(0.721)	484000	20.0000	21.3	9709
30 Methylacrylonitrile	41	6.052	6.052	(0.890)	115413	20.0000	19.4	6277(H)
34 Isobutyl Alcohol	43	6.387	6.387	(0.939)	36068	100.000	99.9	7916
35 Tetrahydrofuran	42	5.840	5.840	(0.859)	345245	100.000	111	9602(A)
40 n-Butanol	56	7.137	7.137	(1.049)	24733	20.0000	20.3	8624(a)
* 50 FLUOROBENZENE	96	6.802	6.802	(1.000)	957187	50.0000		
48 2-3 Dichloro-1-Proprene	75	7.561	7.561	(1.111)	169849	20.0000	22.3	9375

168861

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
49 2-Nitropropane	43	9.259	9.259	(1.361)	45486	20.0000	20.3	7536
51 1,4- Dioxane	58	7.661	7.661	(1.126)	38384	500.000	497	8864
52 Methyl methacrylate	41	7.594	7.594	(1.116)	180722	20.0000	20.1	9573(a)
59 1-Nitropropane	43	8.199	8.199	(1.205)	50721	20.0000	20.2	8986
64 Ethyl Methacrylate	41	9.237	9.237	(0.817)	180892	20.0000	20.3	9542
* 83 CHLOROBENZENE-d5	82	11.303	11.303	(1.000)	404694	50.0000		
76 Cyclohexanone	55	13.077	13.077	(1.157)	70284	40.0000	40.3	9500
84 Pentachloroethane	167	14.003	14.003	(0.973)	49628	20.0000	20.4	9397
* 109 1,4-DICHLOROBENZENE-D4	152	14.393	14.393	(1.000)	318220	50.0000		
99 Benzal Chloride	125	15.896	15.896	(1.104)	30550	40.0000	40.0	8815

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

168862

Data File: /var/chem/msv9.i/2071220.s.b/a9696.d

Page 1

Date : 20-DEC-2007 10:51

Client ID: V9STD020PPBAPP9

Instrument: msv9.i

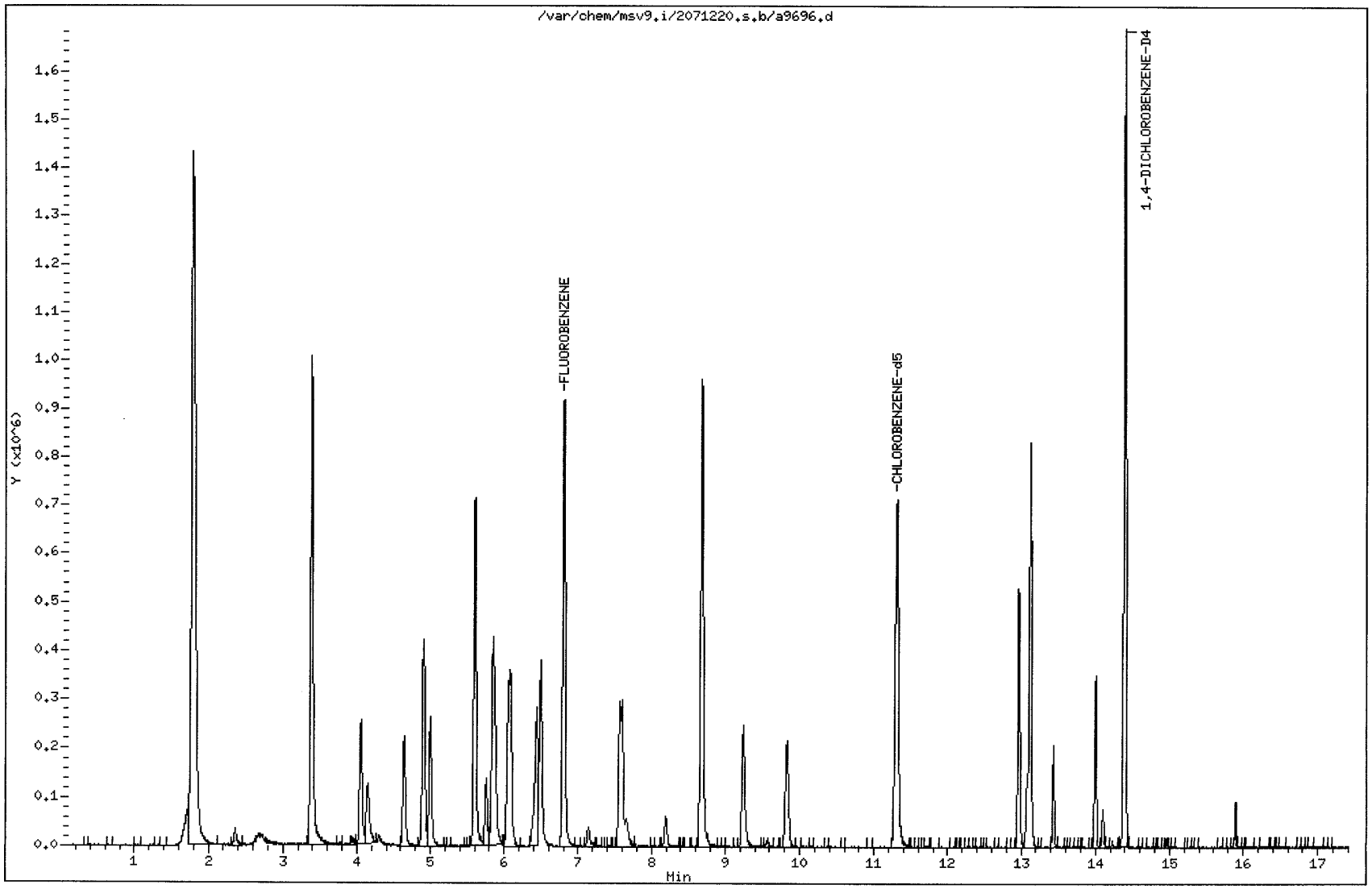
Sample Info: 1202*V9STD020PPBAPP9

Purge Volume: 5.0

Operator: ADI

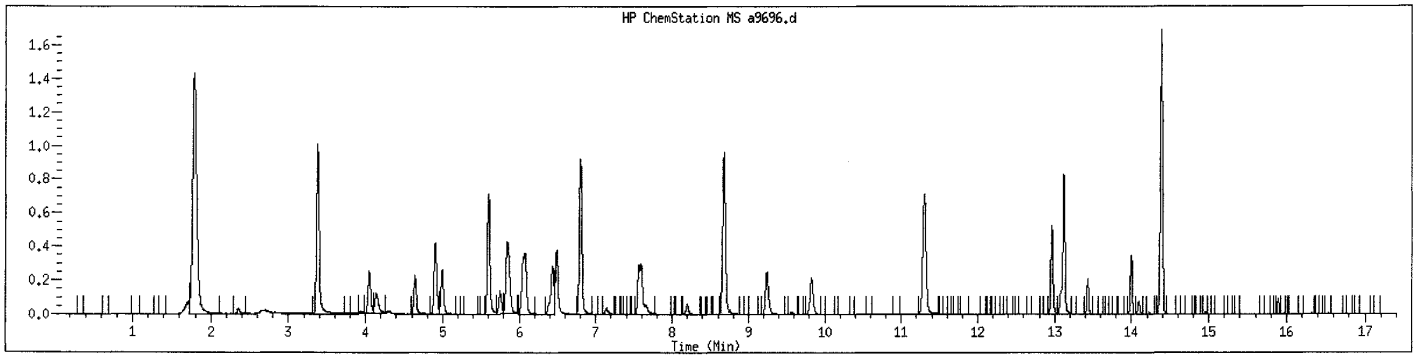
Column phase: DB-VRX-20M

Column diameter: 0.18



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1202	SampleType	: CALIB_2
Injection Date	: 12/20/2007 10:51	Instrument	: msv9.i
Operator	: ADI		
Sample Info	: 1202*V9STD020PPBAPP9		
Misc Info	: MSV~12149~*1*ADI		
Method	: /var/chem/msv9.i/2071220.s.b/8260bw9D1.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: APP9



NO MANUAL INTEGRATIONS

168864

GCAL, Inc.

Data file : /var/chem/msv9.i/2071220.s.b/a9697.d
Lab Smp Id: 1203 Client Smp ID: V9STD050PPBAPP9
Inj Date : 20-DEC-2007 11:38
Operator : ADI Inst ID: msv9.i
Smp Info : 1203*V9STD050PPBAPP9
Misc Info : MSV~12149~*1*ADI
Comment :
Method : /var/chem/msv9.i/2071220.s.b/8260bw9D1.m
Meth Date : 09-Jan-2008 13:44 rjo Quant Type: ISTD
Cal Date : 20-DEC-2007 11:38 Cal File: a9697.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
12 Ethyl Ether	59	3.375	3.375	(0.496)	1877246	250.000	241	9606
4 1-3 Butadiene	39	2.360	2.360	(0.347)	58810	50.0000	41.8	8893
10 Acetonitrile	41	4.136	4.136	(0.608)	614545	250.000	255	9754
53 Ethyl Acetate	43	5.595	5.595	(0.823)	2849188	250.000	266	3916
27 Chloroprene	53	4.990	4.990	(0.734)	534712	50.0000	56.0	9577
17 Allyl chloride	39	4.047	4.047	(0.595)	414681	50.0000	47.8	7676
24 Propionitrile	54	5.745	5.745	(0.845)	458541	250.000	273	9413
28 Isopropyl Ether	45	4.901	4.901	(0.721)	1326634	50.0000	55.0	9731
30 Methylacrylonitrile	41	6.041	6.041	(0.888)	353781	50.0000	55.6	6231
34 Isobutyl Alcohol	43	6.387	6.387	(0.939)	70759	250.000	249	7576(M2)
35 Tetrahydrofuran	42	5.835	5.835	(0.858)	937212	250.000	282	9631(A)
40 n-Butanol	56	7.151	7.151	(1.052)	73480	50.0000	50.4	9260
* 50 FLUOROBENZENE	96	6.800	6.800	(1.000)	988265	50.0000		
48 2-3 Dichloro-1-Proprene	75	7.561	7.561	(1.112)	491959	50.0000	58.8	9525

168865

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
49 2-Nitropropane	43	9.254	9.254	(1.361)	132551	50.0000	50.4	7366
51 1,4- Dioxane	58	7.661	7.661	(1.127)	116991	1250.00	1260	8949
52 Methyl methacrylate	41	7.597	7.597	(1.117)	528068	50.0000	50.4	9602
59 1-Nitropropane	43	8.191	8.191	(1.205)	153886	50.0000	50.6	8798
64 Ethyl Methacrylate	41	9.237	9.237	(0.818)	550252	50.0000	50.5	9609
* 83 CHLOROBENZENE-d5	82	11.298	11.298	(1.000)	422004	50.0000		
76 Cyclohexanone	55	13.082	13.082	(1.158)	207004	100.000	101	9613
84 Pentachloroethane	167	14.000	14.000	(0.973)	146778	50.0000	56.0	9407
* 109 1,4-DICHLOROBENZENE-D4	152	14.390	14.390	(1.000)	332892	50.0000		
99 Benzal Chloride	125	15.896	15.896	(1.105)	131447	100.000	100	8558

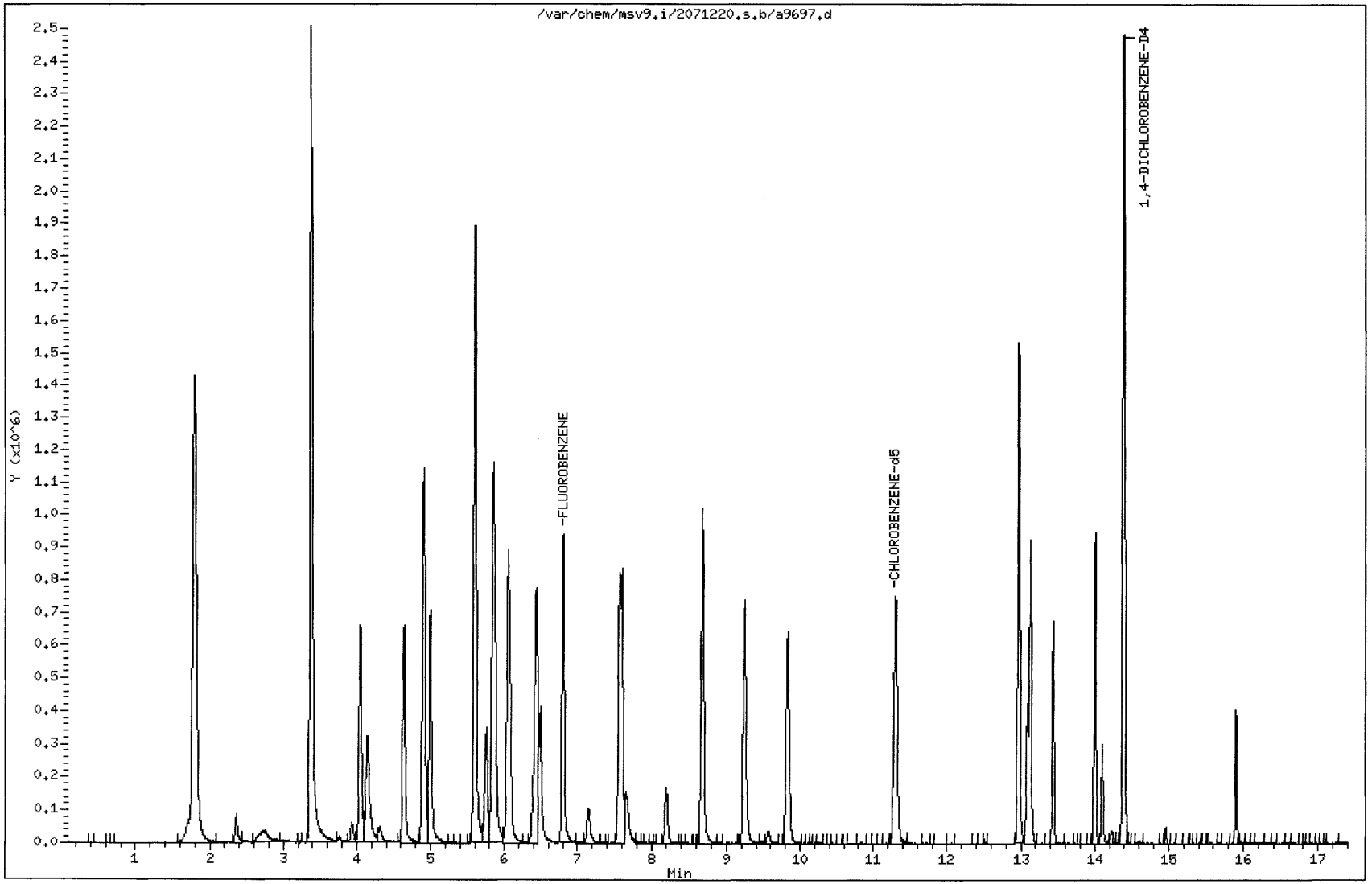
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M2- Compound response manually integrated because Target system integrated incorrectly.

168866

Data File: /var/chem/msv9.i/2071220.s.b/a9697.d
Date : 20-DEC-2007 11:38
Client ID: V9STD050PPBAPP9
Sample Info: 1203*V9STD050PPBAPP9
Purge Volume: 5.0
Column phase: DB-VRX-20M

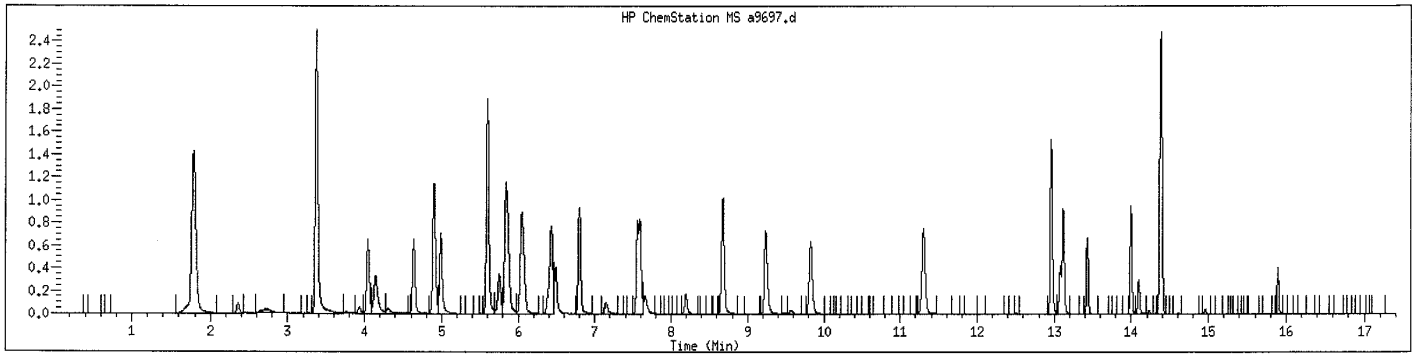
Instrument: msv9.i
Operator: ADI
Column diameter: 0.18



Report Date: 01/09/2008 13:44

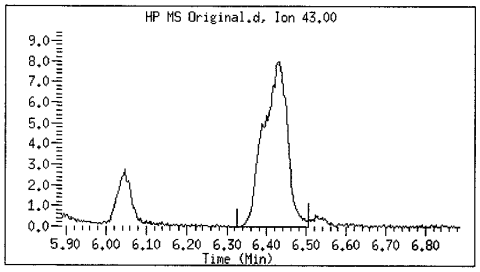
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/20/2007 11:38	Instrument	: msv9.i
Operator	: ADI		
Sample Info	: 1203*V9STD050PPBAPP9		
Misc Info	: MSV~12149~*1*ADI		
Method	: /var/chem/msv9.i/2071220.s.b/8260bw9D1.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: APP9



Original Final

34 Isobutyl Alcohol CAS#: 78-83-1 Reason: M2



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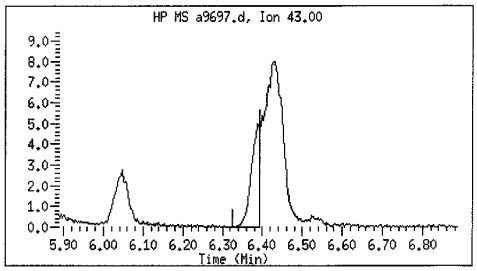
User: was
Date: 12/20/2007 11:45



M2 - Target system integrated incorrectly

168868

GCAL, Inc.

Data file : /var/chem/msv9.i/2071220.s.b/a9698.d
Lab Smp Id: 1204 Client Smp ID: V9STD100PPBAPP9
Inj Date : 20-DEC-2007 12:12
Operator : ADI Inst ID: msv9.i
Smp Info : 1204*V9STD100PPBAPP9
Misc Info : MSV~12149~*1*ADI
Comment :
Method : /var/chem/msv9.i/2071220.s.b/8260bw9D1.m
Meth Date : 09-Jan-2008 13:44 rjo Quant Type: ISTD
Cal Date : 20-DEC-2007 12:12 Cal File: a9698.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
12 Ethyl Ether	59	3.372	3.372	(0.496)	4178646	500.000	492	9697
4 1-3 Butadiene	39	2.346	2.346	(0.345)	137113	100.000	91.0	9009
10 Acetonitrile	41	4.145	4.145	(0.610)	1282395	500.000	487	9646
53 Ethyl Acetate	43	5.598	5.598	(0.824)	5887530	500.000	501	3984(H)
27 Chloroprene	53	4.990	4.990	(0.734)	1205835	100.000	112	9631
17 Allyl chloride	39	4.041	4.041	(0.595)	898777	100.000	95.4	7691
24 Propionitrile	54	5.751	5.751	(0.846)	1000581	500.000	536	9512
28 Isopropyl Ether	45	4.900	4.900	(0.721)	2888502	100.000	108	9623
30 Methylacrylonitrile	41	6.046	6.046	(0.890)	769900	100.000	108	6135(H)
34 Isobutyl Alcohol	43	6.398	6.398	(0.941)	104763	500.000	489	7801(M2)
35 Tetrahydrofuran	42	5.840	5.840	(0.859)	2048432	500.000	551	9616(A)
40 n-Butanol	56	7.173	7.173	(1.055)	180568	100.000	101	9268
* 50 FLUOROBENZENE	96	6.797	6.797	(1.000)	1083335	50.0000		
48 2-3 Dichloro-1-Proprene	75	7.558	7.558	(1.112)	1085595	100.000	114	9451

168869

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
49 2-Nitropropane	43	9.256	9.256	(1.362)	293457	100.000	100	7396
51 1,4- Dioxane	58	7.672	7.672	(1.129)	252372	2500.00	2490	9024
52 Methyl methacrylate	41	7.594	7.594	(1.117)	1150974	100.000	99.8	9710
59 1-Nitropropane	43	8.191	8.191	(1.205)	345145	100.000	100	9020
64 Ethyl Methacrylate	41	9.234	9.234	(0.817)	1270187	100.000	101	9643
* 83 CHLOROBENZENE-d5	82	11.303	11.303	(1.000)	452854	50.0000		
76 Cyclohexanone	55	13.082	13.082	(1.157)	456517	200.000	201	9584
84 Pentachloroethane	167	13.997	13.997	(0.973)	350259	100.000	114	9311
* 109 1,4-DICHLOROBENZENE-D4	152	14.390	14.390	(1.000)	380146	50.0000		
99 Benzal Chloride	125	15.896	15.896	(1.105)	414498	200.000	200	8067

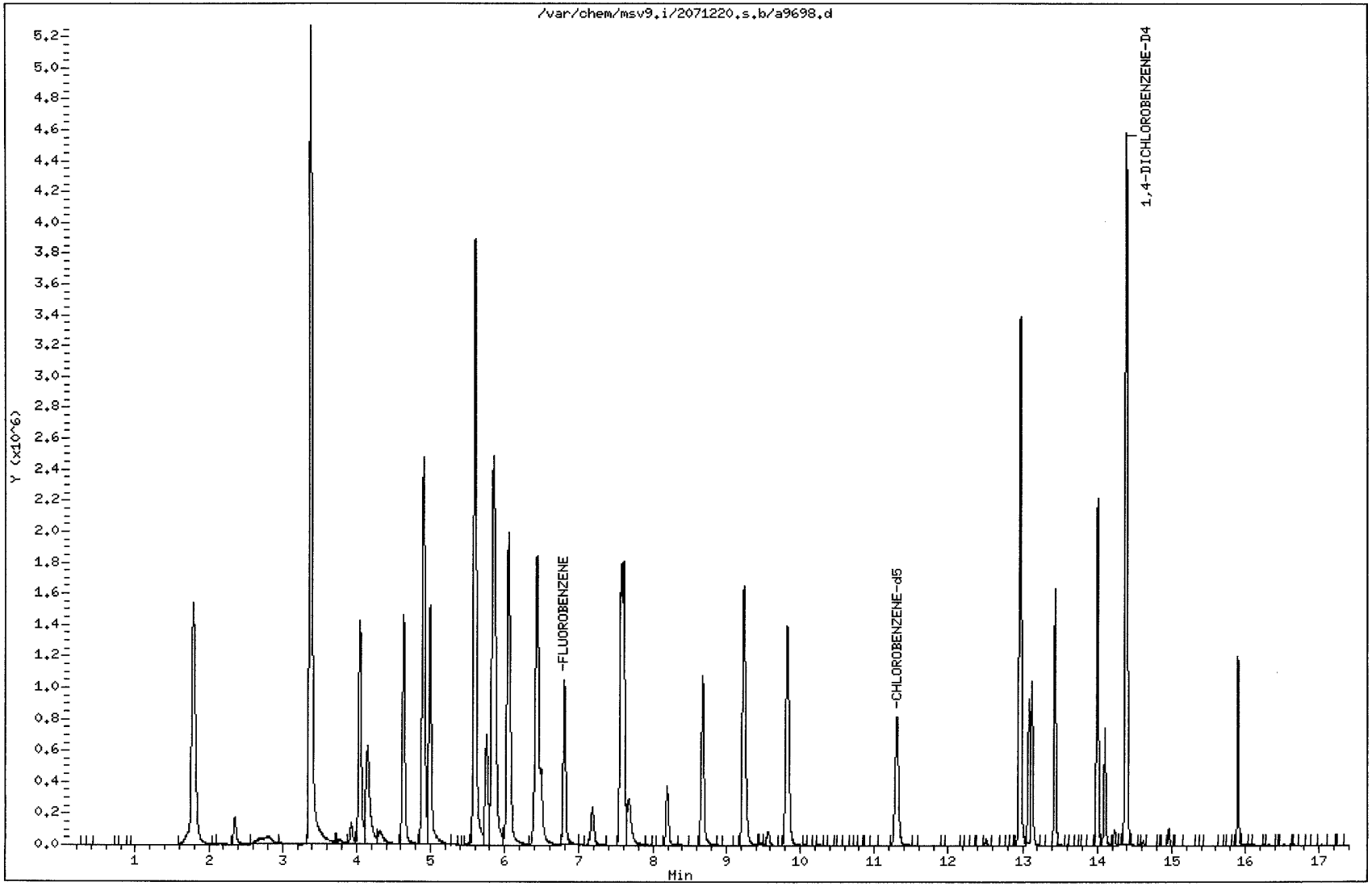
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M2- Compound response manually integrated because Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

168870

Data File: /var/chem/msv9.i/2071220.s.b/a9698.d
Date : 20-DEC-2007 12:12
Client ID: V9STD100PPBAPP9
Sample Info: 1204*V9STD100PPBAPP9
Purge Volume: 5.0
Column phase: DB-WRX-20M

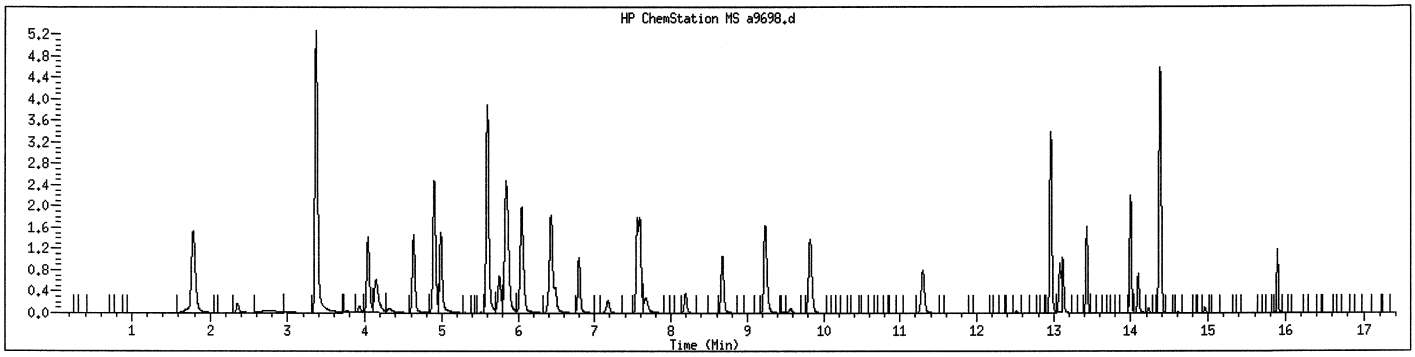
Instrument: msv9.i
Operator: ADI
Column diameter: 0.18



Data file : /var/chem/msv9.i/2071220.s.b/a9698.d Page: 1
Report Date: 01/09/2008 13:44

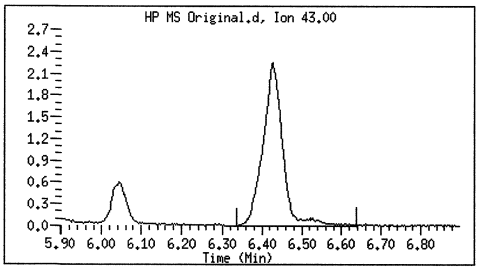
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1204 SampleType : CALIB_4
Injection Date: 12/20/2007 12:12 Instrument : msv9.i
Operator : ADI
Sample Info : 1204*V9STD100PPBAPP9
Misc Info : MSV~12149~*1*ADI
Method : /var/chem/msv9.i/2071220.s.b/8260bw9D1.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



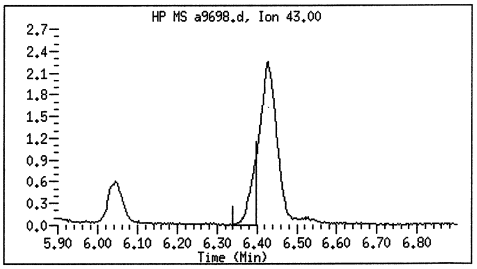
Original Final

34 Isobutyl Alcohol CAS#: 78-83-1 Reason: M2



Electronic Signature
Applied

User: kcb
Date: 12/20/2007 12:41



M2 - Target system integrated incorrectly

168872

GCAL, Inc.

Data file : /var/chem/msv9.i/2071220.s.b/a9699.d
Lab Smp Id: 1205 Client Smp ID: V9STD200PPBAPP9
Inj Date : 20-DEC-2007 12:47
Operator : ADI Inst ID: msv9.i
Smp Info : 1205*V9STD200PPBAPP9
Misc Info : MSV~12149~*1*ADI
Comment :
Method : /var/chem/msv9.i/2071220.s.b/8260bw9D1.m
Meth Date : 09-Jan-2008 13:44 rjo Quant Type: ISTD
Cal Date : 20-DEC-2007 12:47 Cal File: a9699.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
12	Ethyl Ether	59	3.367	3.367	(0.496)	7649885	1000.00	891	9632
4	1-3 Butadiene	39	2.346	2.346	(0.345)	260058	200.000	172	9286
10	Acetonitrile	41	4.150	4.150	(0.611)	2943733	1000.00	1070	9727(A)
53	Ethyl Acetate	43	5.598	5.598	(0.824)	11049735	1000.00	925	4038(H)
27	Chloroprene	53	4.984	4.984	(0.734)	2544047	200.000	226	9587(A)
17	Allyl chloride	39	4.036	4.036	(0.594)	1893860	200.000	196	7692
24	Propionitrile	54	5.759	5.759	(0.848)	2167445	1000.00	1110	9464(A)
28	Isopropyl Ether	45	4.901	4.901	(0.721)	5851487	200.000	210	9580(A)
30	Methylacrylonitrile	41	6.038	6.038	(0.889)	1673700	200.000	223	6188(A)
34	Isobutyl Alcohol	43	6.406	6.406	(0.943)	176206	1000.00	1010	7835(AM2)
35	Tetrahydrofuran	42	5.838	5.838	(0.859)	4640146	1000.00	1180	9534(A)
40	n-Butanol	56	7.215	7.215	(1.062)	408639	200.000	203	9015
* 50	FLUOROBENZENE	96	6.794	6.794	(1.000)	1114093	50.0000		
48	2-3 Dichloro-1-Proprene	75	7.558	7.558	(1.112)	2304303	200.000	229	9443(A)

168873

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
49 2-Nitropropane	43	9.262	9.262	(1.363)	674886	200.000	203	7582(A)
51 1,4- Dioxane	58	7.700	7.700	(1.133)	565305	5000.00	5060	9104(A)
52 Methyl methacrylate	41	7.594	7.594	(1.118)	2560581	200.000	202	9589
59 1-Nitropropane	43	8.194	8.194	(1.206)	788285	200.000	203	8915(A)
64 Ethyl Methacrylate	41	9.237	9.237	(0.818)	2881111	200.000	201	9627(A)
* 83 CHLOROBENZENE-d5	82	11.295	11.295	(1.000)	494446	50.0000		
76 Cyclohexanone	55	13.088	13.088	(1.159)	1045755	400.000	403	9593(A)
84 Pentachloroethane	167	14.000	14.000	(0.973)	807964	200.000	227	9291(A)
* 109 1,4-DICHLOROBENZENE-D4	152	14.390	14.390	(1.000)	430789	50.0000		
99 Benzal Chloride	125	15.896	15.896	(1.105)	1086440	400.000	399	7756

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M2- Compound response manually integrated because Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

168874

Data File: /var/chem/msv9.i/2071220.s.b/a9699.d

Page 1

Date : 20-DEC-2007 12:47

Client ID: V9STD200PPBAPP9

Instrument: msv9.i

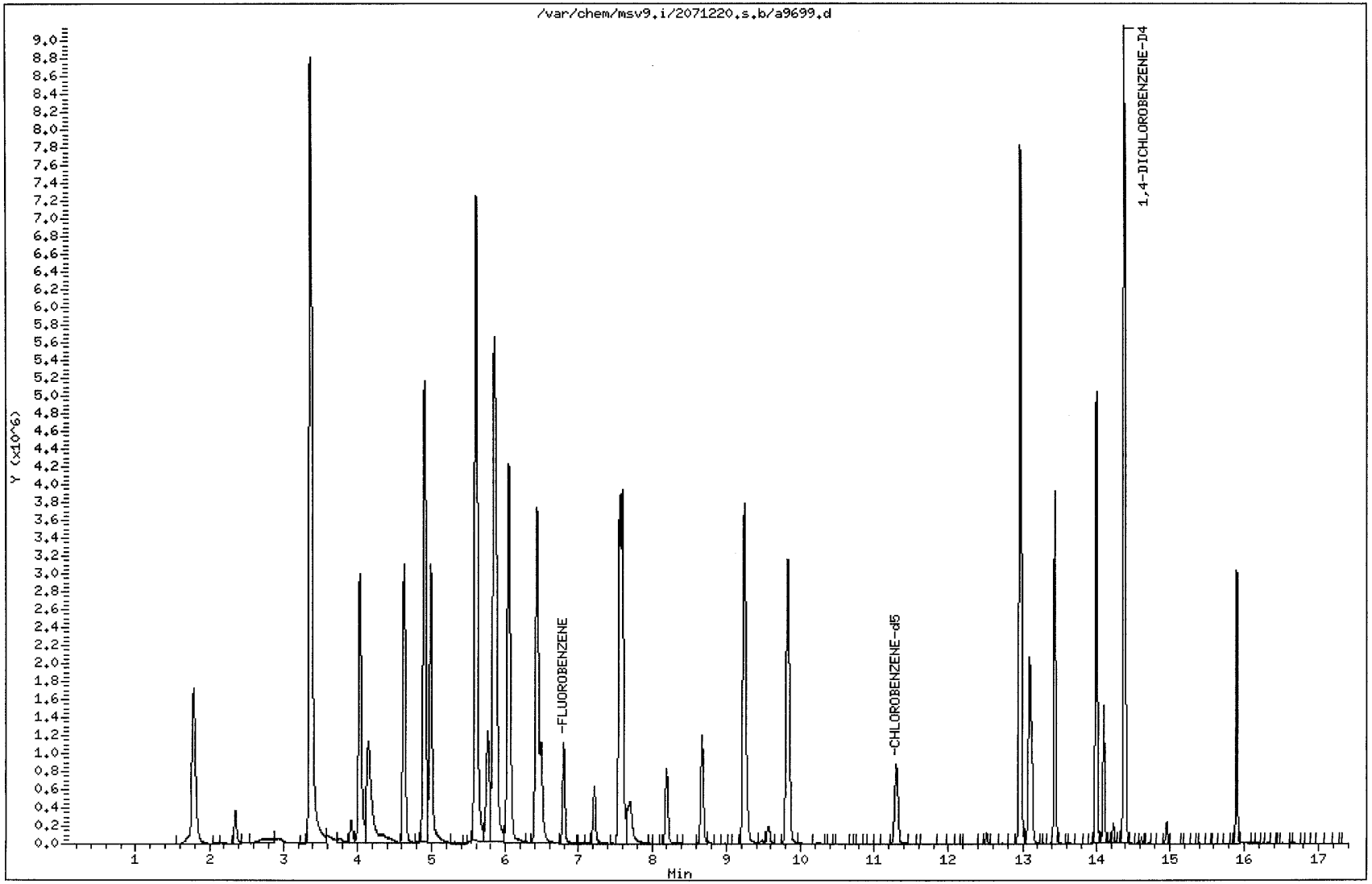
Sample Info: 1205*V9STD200PPBAPP9

Purge Volume: 5.0

Operator: ADI

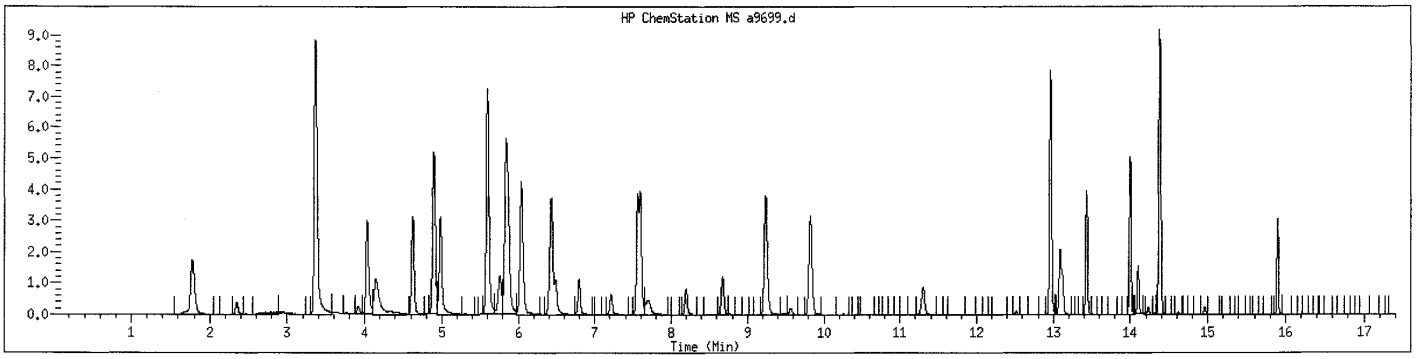
Column phase: DB-VRX-20M

Column diameter: 0.18



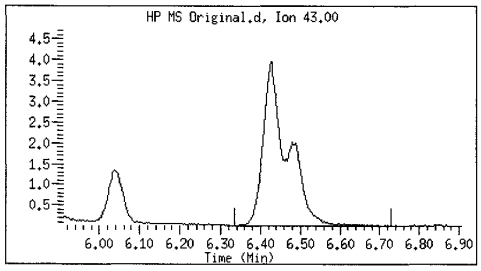
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1205 SampleType : CALIB_5
Injection Date: 12/20/2007 12:47 Instrument : msv9.i
Operator : ADI
Sample Info : 1205*V9STD200PPBAPP9
Misc Info : MSV~12149~*1*ADI
Method : /var/chem/msv9.i/2071220.s.b/8260bw9D1.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



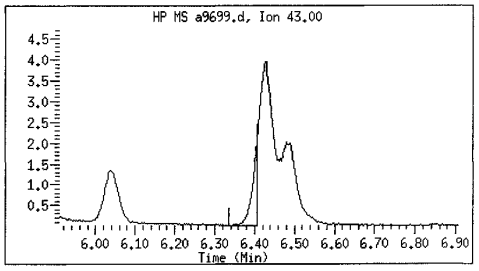
Original Final

34 Isobutyl Alcohol CAS#: 78-83-1 Reason: M2



Electronic Signature
Applied

User: kcb
Date: 12/20/2007 12:46



M2 - Target system integrated incorrectly

168876

Data File: /var/chem/msv9.i/2071220.s.b/a9701.d Page 1
Report Date: 20-Dec-2007 16:41

GCAL, Inc.

RECOVERY REPORT

Client Name: Client SDG: 2071220.s
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: 1600 Client Smp ID: V9STDAPP9ICV
Level: LOW Operator: ADI
Data Type: MS DATA SampleType: LCS
SpikeList File: App9.spk Quant Type: ISTD
Sublist File: APP9.sub
Method File: /var/chem/msv9.i/2071220.s.b/8260bw9D1.m
Misc Info: MSV~12149~*1*ADI

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
4 1-3 Butadiene	50.0	278	556.12*	60-140
12 Ethyl Ether	250	236	94.49	60-140
17 Allyl chloride	50.0	47.1	94.14	60-140
10 Acetonitrile	250	223	89.34	60-140
28 Isopropyl Ether	50.0	59.7	119.34	60-140
27 Chloroprene	50.0	51.2	102.34	60-140
53 Ethyl Acetate	250	168	67.37	60-140
24 Propionitrile	250	260	103.96	60-140
35 Tetrahydrofuran	250	304	121.57	60-140
30 Methylacrylonitrile	50.0	64.4	128.75	60-140
34 Isobutyl Alcohol	250	241	96.28	60-140
40 n-Butanol	50.0	50.0	100.08	60-140
48 2-3 Dichloro-1-Proprene	50.0	56.5	113.09	60-140
52 Methyl methacrylate	50.0	48.9	97.78	60-140
51 1,4- Dioxane	1250	1250	100.14	60-140
59 1-Nitropropane	50.0	49.4	98.77	60-140
64 Ethyl Methacrylate	50.0	49.9	99.85	60-140
49 2-Nitropropane	50.0	47.8	95.59	60-140
76 Cyclohexanone	100	109	109.12	60-140
84 Pentachloroethane	50.0	56.5	113.02	60-140
99 Benzal Chloride	100	94.7	94.73	60-140

168877

GCAL, Inc.

Data file : /var/chem/msv9.i/2071220.s.b/a9701.d
Lab Smp Id: 1600 Client Smp ID: V9STDAPP9ICV
Inj Date : 20-DEC-2007 13:52
Operator : ADI Inst ID: msv9.i
Smp Info : 1600*V9STDAPP9ICV
Misc Info : MSV~12149~*1*ADI
Comment :
Method : /var/chem/msv9.i/2071220.s.b/8260bw9D1.m
Meth Date : 20-Dec-2007 16:41 was Quant Type: ISTD
Cal Date : 27-OCT-2007 19:55 Cal File: a7434.d
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
12 Ethyl Ether	59	3.375	3.367	(0.496)	1924638	236.226	236	9613
4 1-3 Butadiene	39	2.354	2.346	(0.346)	397972	278.059	278	9357(AR)
10 Acetonitrile	41	4.145	4.150	(0.610)	580613	223.346	223	9717
53 Ethyl Acetate	43	5.595	5.598	(0.823)	1909046	168.427	168	3954
27 Chloroprene	53	4.992	4.984	(0.734)	547534	51.1697	51.2	9583
17 Allyl chloride	39	4.044	4.036	(0.595)	431266	47.0679	47.1	9109
24 Propionitrile	54	5.751	5.759	(0.846)	482228	259.890	260	9483
28 Isopropyl Ether	45	4.903	4.901	(0.721)	1575799	59.6686	59.7	9664
30 Methylacrylonitrile	41	6.047	6.038	(0.889)	458181	64.3755	64.4	6197
34 Isobutyl Alcohol	43	6.387	6.406	(0.939)	67211	240.699	241	7756(M1)
35 Tetrahydrofuran	42	5.837	5.838	(0.859)	1136851	303.928	304	9648(A)
40 n-Butanol	56	7.154	7.215	(1.052)	87947	50.0389	50.0	9121
* 50 FLUOROBENZENE	96	6.800	6.794	(1.000)	1057266	50.0000		
48 2-3 Dichloro-1-Proprene	75	7.564	7.558	(1.112)	540382	56.5449	56.5	9425

168878

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
49 2-Nitropropane	43	9.262	9.262	(1.362)	140927	47.7966	47.8	7607
51 1,4- Dioxane	58	7.664	7.700	(1.127)	126475	1251.79	1250	8998
52 Methyl methacrylate	41	7.594	7.594	(1.117)	560001	48.8916	48.9	9677
59 1-Nitropropane	43	8.197	8.194	(1.205)	170447	49.3838	49.4	8750
64 Ethyl Methacrylate	41	9.234	9.237	(0.817)	613306	49.9234	49.9	9667
* 83 CHLOROBENZENE-d5	82	11.300	11.295	(1.000)	447975	50.0000		
76 Cyclohexanone	55	13.080	13.088	(1.157)	246831	109.123	109	9671
84 Pentachloroethane	167	14.000	14.000	(0.973)	163115	56.5102	56.5	9462
* 109 1,4-DICHLOROBENZENE-D4	152	14.393	14.390	(1.000)	348788	50.0000		
99 Benzal Chloride	125	15.899	15.896	(1.105)	150930	94.7284	94.7	8283

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M1- Compound response manually integrated because Target system did not integrate.

168879

Data File: /var/chem/msv9.i/2071220.s.b/a9701.d

Date : 20-DEC-2007 13:52

Client ID: V9STDAPP9ICV

Instrument: msv9.i

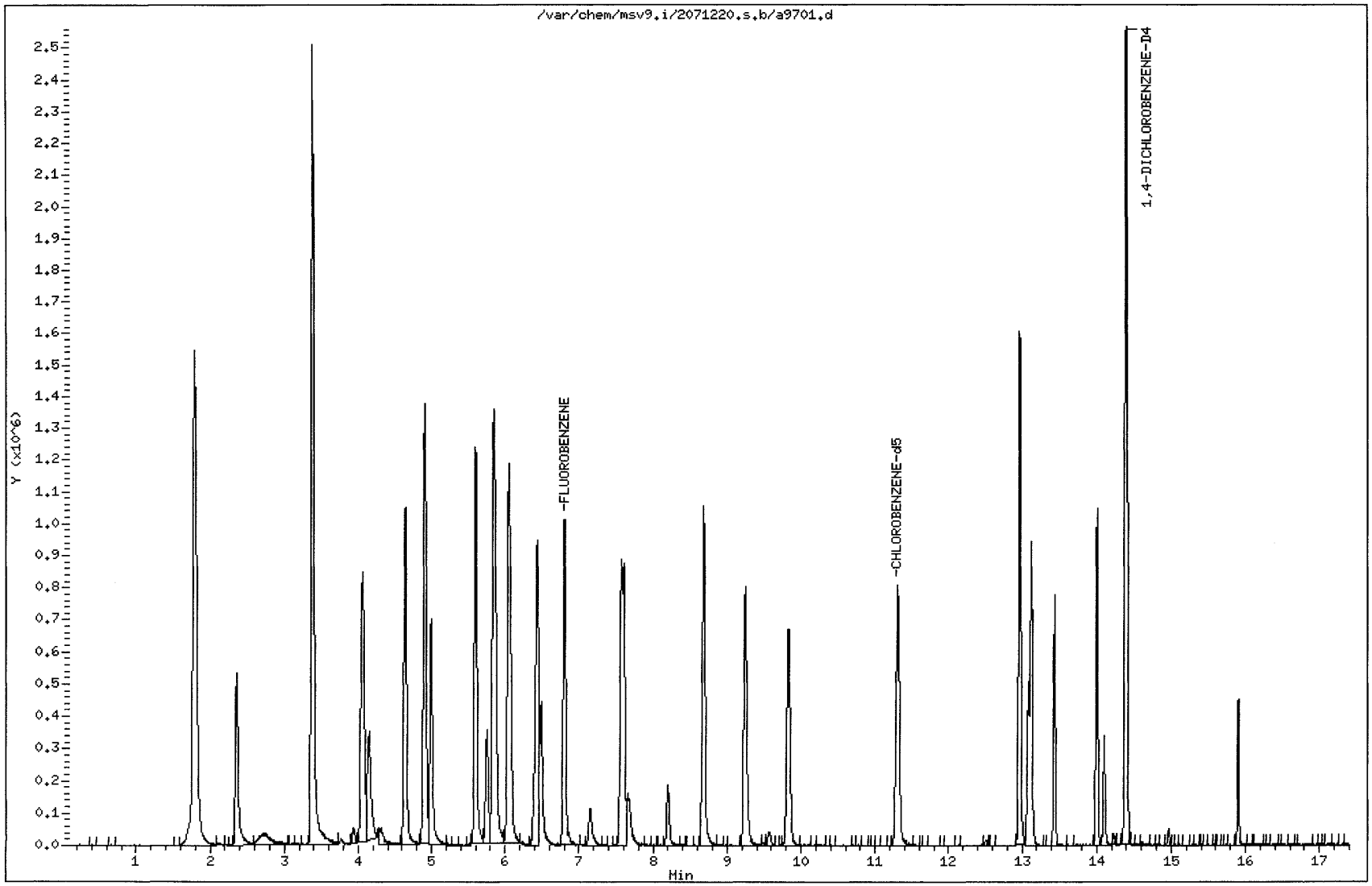
Sample Info: 1600*V9STDAPP9ICV

Purge Volume: 5.0

Operator: ADI

Column phase: DB-VRX-20M

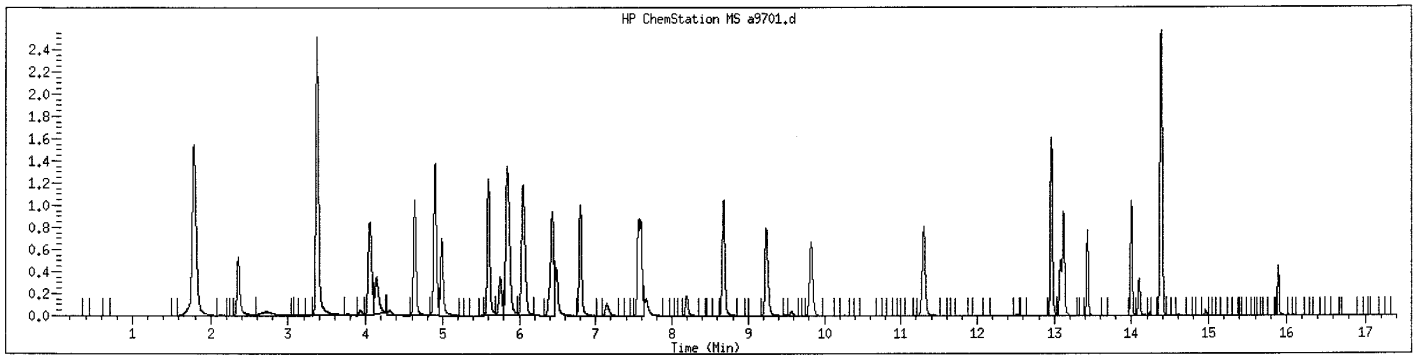
Column diameter: 0.18



Data file : /var/chem/msv9.i/2071220.s.b/a9701.d
Report Date: 12/20/2007 16:41

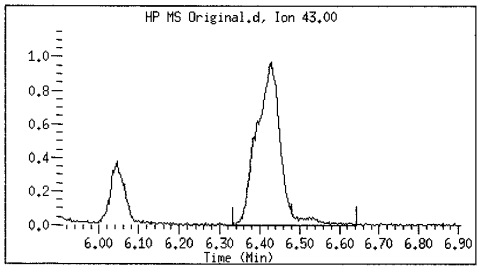
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 12/20/2007 13:52	Instrument	: msv9.i
Operator	: ADI		
Sample Info	: 1600*V9STDAPP9ICV		
Misc Info	: MSV~12149~*1*ADI		
Method	: /var/chem/msv9.i/2071220.s.b/8260bw9D1.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: APP9



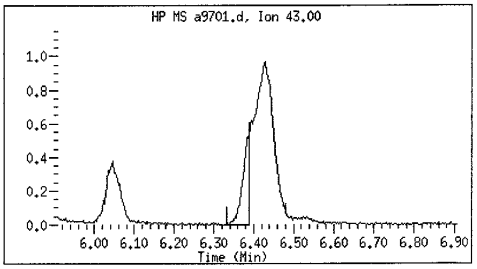
Original Final

34 Isobutyl Alcohol CAS#: 78-83-1 Reason: M1



Electronic Signature
Applied

User: kcb
Date: 12/20/2007 14:00



M1 - Target system did not integrate

168881

GCAL, Inc.

Data file : /var/chem/msv9.i/2071229p.s.b/b0004.d
Lab Smp Id: 1000 Client Smp ID: V9BFB01
Inj Date : 29-DEC-2007 10:53
Operator : JCK Inst ID: msv9.i
Smp Info : 1000*V9BFB01
Misc Info : MSV~12192~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071229p.s.b/bfb9.m
Meth Date : 22-Sep-2007 07:59 adi Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
13.119	13.240	(0.000)	95	184512			100.00- 100.00	100.00
13.119	13.240	(0.000)	50	45429			15.00- 40.00	24.62
13.119	13.240	(0.000)	75	92389			30.00- 60.00	50.07
13.119	13.240	(0.000)	96	14176			5.00- 9.00	7.68
13.119	13.240	(0.000)	173	2067			0.00- 2.00	1.67
13.119	13.240	(0.000)	174	123626			50.00- 120.00	67.00
13.119	13.240	(0.000)	175	9645			5.00- 9.00	7.80
13.119	13.240	(0.000)	176	120882			95.00- 101.00	97.78
13.119	13.240	(0.000)	177	7606			5.00- 9.00	6.29

168882

Data File: /var/chem/msv9.i/2071229p.s.b/b0004.d

Page 1

Date : 29-DEC-2007 10:53

Client ID: V9BFB01

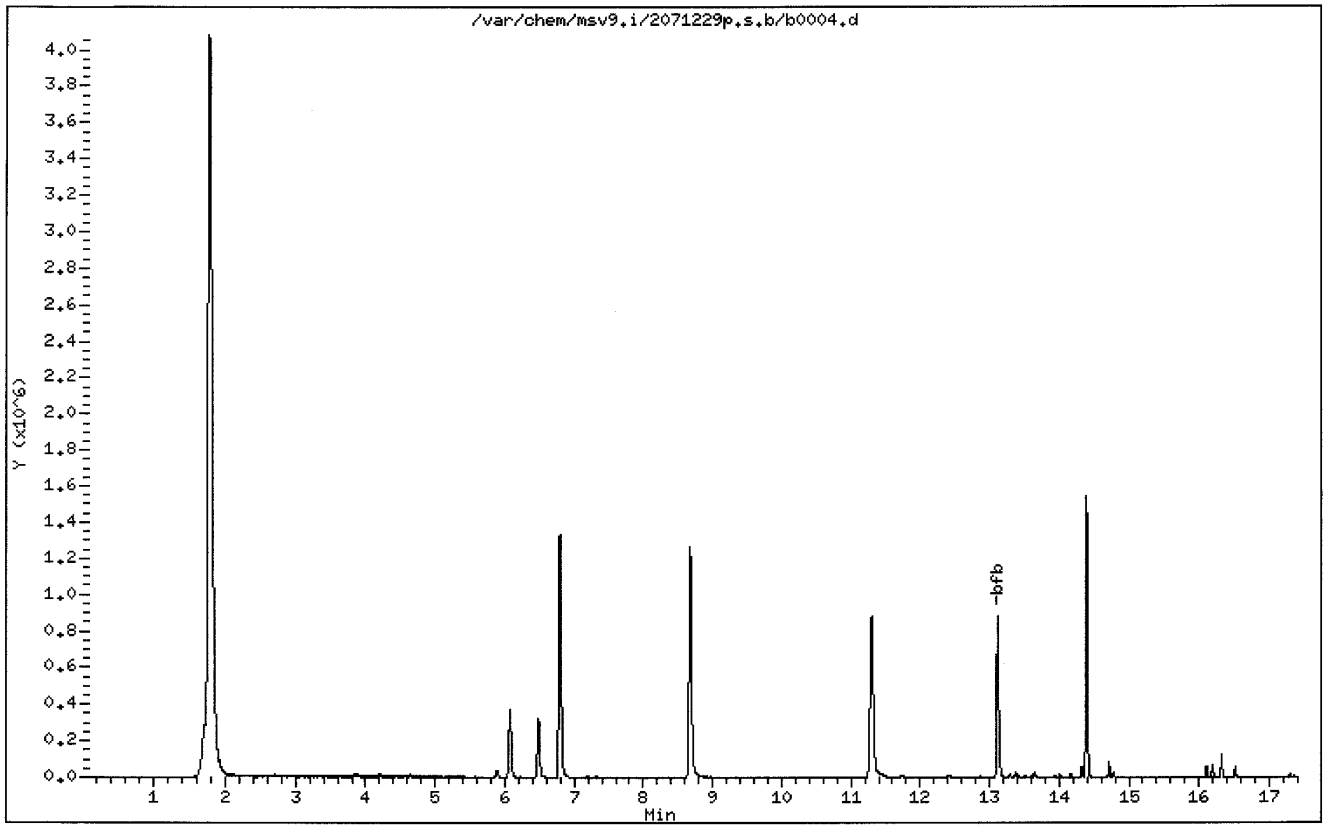
Instrument: msv9.i

Sample Info: 1000xV9BFB01

Operator: JCK

Column phase: DB-VRX-20M

Column diameter: 0.18



168883

Data File: /var/chem/msv9.i/2071229p.s.b/b0004.d

Date : 29-DEC-2007 10:53

Client ID: V9BFB01

Instrument: msv9.i

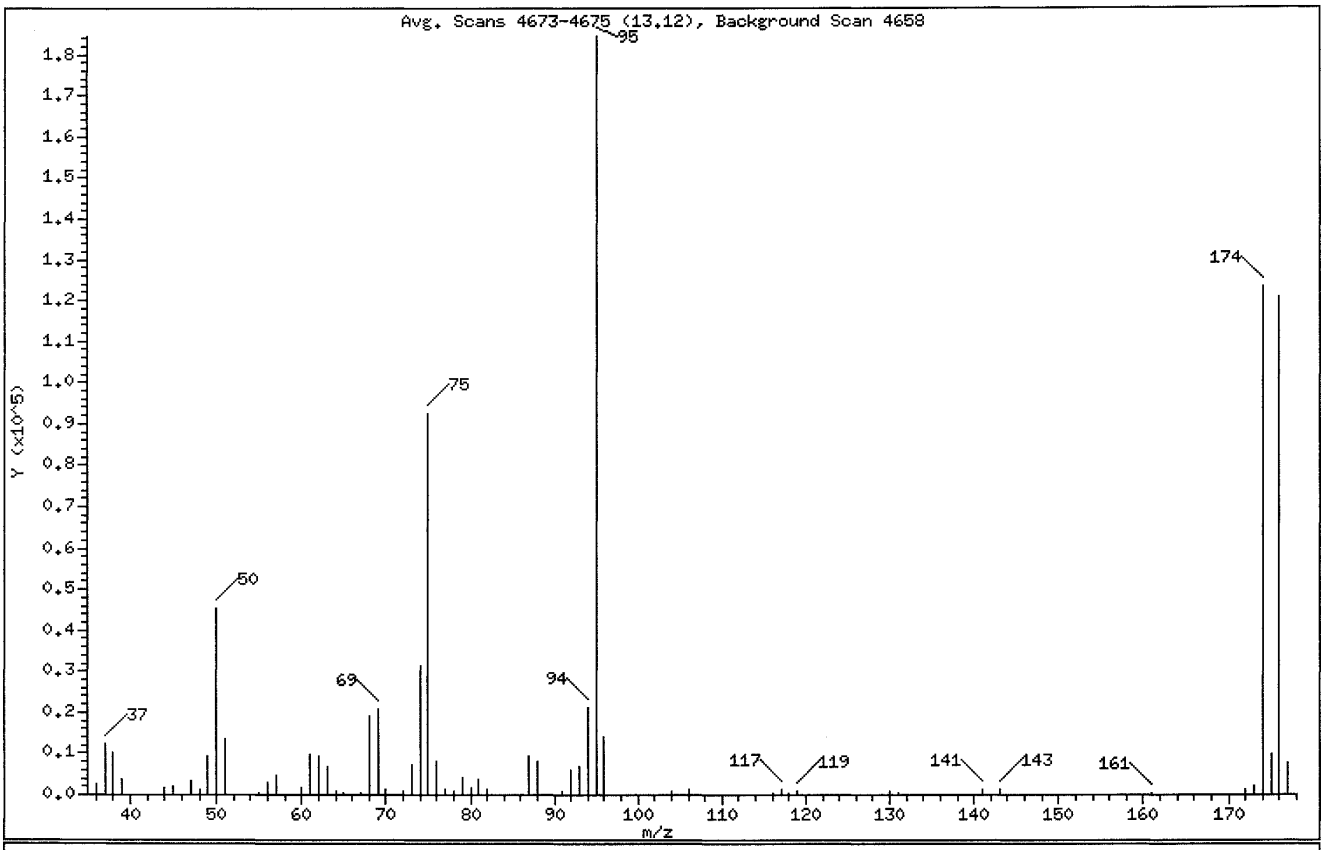
Sample Info: 1000*V9BFB01

Operator: JCK

Column phase: DB-VRX-20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.62
75	30.00 - 60.00% of mass 95	50.07
96	5.00 - 9.00% of mass 95	7.68
173	Less than 2.00% of mass 174	1.12 (1.67)
174	50.00 - 120.00% of mass 95	67.00
175	5.00 - 9.00% of mass 174	5.23 (7.80)
176	95.00 - 101.00% of mass 174	65.51 (97.78)
177	5.00 - 9.00% of mass 176	4.12 (6.29)

Data File: /var/chem/msv9.i/2071229p.s.b/b0004.d

Date : 29-DEC-2007 10:53

Client ID: V9BFB01 Instrument: msv9.i

Sample Info: 1000xV9BFB01

Operator: JCK

Column phase: DB-VRX-20M Column diameter: 0.18

Data File: b0004.d
Spectrum: Avg. Scans 4673-4675 (13.12), Background Scan 4658
Location of Maximum: 95.00
Number of points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2333	61.00	9672	80.00	1589	119.00	1032
37.00	12105	62.00	9212	81.00	4028	130.00	724
38.00	10066	63.00	6774	82.00	1110	131.00	393
39.00	3749	64.00	714	87.00	9147	141.00	1302
43.00	196	65.00	231	88.00	8140	143.00	1358
44.00	1635	67.00	533	91.00	841	146.00	170
45.00	2186	68.00	19032	92.00	5762	153.00	183
47.00	3435	69.00	20808	93.00	6950	155.00	186
48.00	1156	70.00	1387	94.00	21208	157.00	195
49.00	9202	72.00	1001	95.00	184512	161.00	248
50.00	45424	73.00	7407	96.00	14176	172.00	1327
51.00	13412	74.00	31336	104.00	825	173.00	2067
52.00	170	75.00	92384	106.00	1180	174.00	123624
55.00	517	76.00	8113	115.00	186	175.00	9645
56.00	2794	77.00	1259	116.00	542	176.00	120880
57.00	4749	78.00	872	117.00	1476	177.00	7606
60.00	1671	79.00	4265	118.00	417		

168885

GCAL, Inc.

Data file : /var/chem/msv9.i/2071229p.s.b/b0006.d
Lab Smp Id: 1205 Client Smp ID: V9STD0.20
Inj Date : 29-DEC-2007 11:46
Operator : JCK Inst ID: msv9.i
Smp Info : 1205*V9STD0.20*6-13-9
Misc Info : MSV~12192~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071229p.s.b/8260bw9.m
Meth Date : 29-Dec-2007 20:30 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 11:46 Cal File: b0006.d
Als bottle: 1 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.970	1.970	(0.290)	3309	0.20000	0.299	(aM1)
2 Chloromethane ++	50	2.229	2.229	(0.328)	5280	0.20000	0.376	(aM1)
3 Vinyl Chloride +	62	2.318	2.318	(0.341)	4175	0.20000	0.331	(a)
5 Bromomethane	94	2.717	2.717	(0.400)	3669	0.20000	0.123	(a)
6 Chloroethane	64	2.812	2.812	(0.414)	2375	0.20000	0.783	(a)
9 Trichlorofluoromethane	101	3.063	3.063	(0.451)	5086	0.20000	0.313	(a)
19 1,1,2Trichlotrifluoroethane	101	3.590	3.590	(0.528)	2237	0.20000	0.264	(aM1)
13 1,1-Dichloroethene +	96	3.629	3.629	(0.534)	1591	0.20000	0.247	(a)
11 Acetone	43	3.757	3.757	(0.553)	5909	0.20000	0.944	(a)
14 Methyl Iodide	142	3.836	3.836	(0.564)	3168	0.20000	0.528	(a)
21 Carbon Disulfide	76	3.872	3.872	(0.570)	13202	0.20000	0.183	(a)
20 Methyl Acetate	43	4.081	4.081	(0.600)	3019	0.20000	0.268	0(aM1)
18 Methylene Chloride	49	4.209	4.209	(0.619)	5945	0.20000	0.465	(a)
25 MTBE	73	4.407	4.407	(0.648)	7989	0.20000	0.298	6477(a)

168886

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	SIMILARITY
	22 trans-1,2-Dichloroethene	61	4.449	4.449	(0.655)	3442	0.20000	0.300	(a)
	32 Hexane	57	4.636	4.636	(0.682)	4951	0.20000	0.393	0(aM1)
	26 1,1-Dichloroethane ++	63	4.931	4.931	(0.726)	4354	0.20000	0.290	(aM1)
	38 2,2-Dichloropropane	77	5.539	5.539	(0.815)	1724	0.20000	0.204	(aM1)
	23 cis-1,2-Dichloroethene	61	5.562	5.562	(0.818)	2901	0.20000	0.261	(aM1)
	33 2-Butanone	43	5.595	5.595	(0.823)	3427	0.20000	0.466	(a)
	36 Bromochloromethane	128	5.824	5.824	(0.857)	515	0.20000	0.172	(a)
	37 Chloroform +	83	5.888	5.888	(0.866)	9855	0.20000	0.725	(a)
M	80 Total 1,2-Dichloroethene	61				6343	0.40000	0.561	(a)
	45 Cyclohexane	56	6.041	6.041	(0.889)	3139	0.20000	0.219	8069(a)
	43 1,1,1-Trichloroethane	97	6.066	6.066	(0.892)	2096	0.20000	0.223	(a)
$	39 Dibromofluoromethane	111	6.086	6.086	(0.895)	1710	0.20000	0.289	6711(a)
	46 Carbon Tetrachloride	117	6.200	6.200	(0.912)	1253	0.20000	0.169	(aM1)
	44 1,1-Dichloropropene	75	6.242	6.242	(0.918)	2656	0.20000	0.268	(aM1)
	47 Benzene	78	6.468	6.468	(0.952)	10428	0.20000	0.324	(a)
$	41 1,2-Dichloroethane-d4	67	6.482	6.482	(0.954)	1337	0.20000	0.332	(a)
	42 1,2-Dichloroethane	62	6.568	6.568	(0.966)	3533	0.20000	0.310	(aM1)
*	50 FLUOROBENZENE	96	6.797	6.797	(1.000)	1213236	50.0000		
	57 Trichloroethene	130	7.187	7.187	(1.057)	1285	0.20000	0.199	(aM1)
	61 Methyl Cyclohexane	83	7.341	7.341	(1.080)	2289	0.20000	0.206	0(aM1)
	56 1,2-Dichloropropane +	63	7.511	7.511	(1.105)	2447	0.20000	0.271	(a)
	55 Dibromomethane	93	7.667	7.667	(1.128)	781	0.20000	0.202	(aM1)
	58 Bromodichloromethane	83	7.832	7.832	(1.152)	2557	0.20000	0.279	(a)
	63 cis-1,3-Dichloropropene	75	8.370	8.370	(1.231)	1226	0.20000	0.129	(aM1)
	65 4-methyl-2-pentanone	43	8.571	8.571	(1.261)	1919	0.20000	0.931	(aM1)
$	68 Toluene-d8	98	8.679	8.679	(0.768)	6916	0.20000	0.355	(a)
	70 Toluene +	91	8.766	8.766	(0.776)	6311	0.20000	0.227	(aM1)
M	87 1-3 Dichloropropene total	100				1226	0.40000	0.129	0(a)
	67 1,1,2-Trichloroethane	97	9.491	9.491	(0.840)	2121	0.20000	0.328	(aM1)
	78 Tetrachloroethene	164	9.572	9.572	(0.847)	486	0.20000	0.118	(aM1)
	71 1,3-Dichloropropane	76	9.795	9.795	(0.867)	2322	0.20000	0.213	(aM1)
	74 1,2-Dibromoethane(EDB)	107	10.394	10.394	(0.920)	301	0.20000	0.0565	(a)
*	83 CHLOROBENZENE-d5	82	11.295	11.295	(1.000)	475471	50.0000		
	85 Chlorobenzene ++	112	11.356	11.356	(1.005)	6196	0.20000	0.361	(a)
	88 Ethylbenzene +	106	11.504	11.504	(1.018)	1309	0.20000	0.146	(a)
	89 p,m-Xylene	106	11.733	11.733	(1.039)	4443	0.40000	2.18	
	93 o-Xylene	106	12.366	12.366	(1.095)	1543	0.20000	1.21	
M	120 TOTAL XYLENE	106				5986	0.60000	3.39	
	91 Styrene	104	12.422	12.422	(1.100)	2318	0.20000	1.45	
	90 Bromoform ++	173	12.703	12.703	(1.125)	281	0.20000	0.0919	(aM1)
	96 Isopropylbenzene	105	12.862	12.862	(1.139)	3682	0.20000	0.981	(aM1)
$	97 Bromofluorobenzene	174	13.124	13.124	(1.162)	3260	0.20000	0.713	(a)
	98 Bromobenzene	77	13.286	13.286	(0.923)	3500	0.20000	0.377	(aM1)
	92 1,1,2,2-Tetrachloroethane++	83	13.342	13.342	(0.927)	2848	0.20000		(aM1)
	100 n-Propylbenzene	91	13.381	13.381	(0.930)	5784	0.20000	0.451	(aM1)
	94 1,2,3-Trichloropropane	75	13.403	13.403	(0.931)	2830	0.20000	0.299	(aM1)
	101 2-Chlorotoluene	91	13.515	13.515	(0.939)	3938	0.20000	0.227	(aM1)

168887

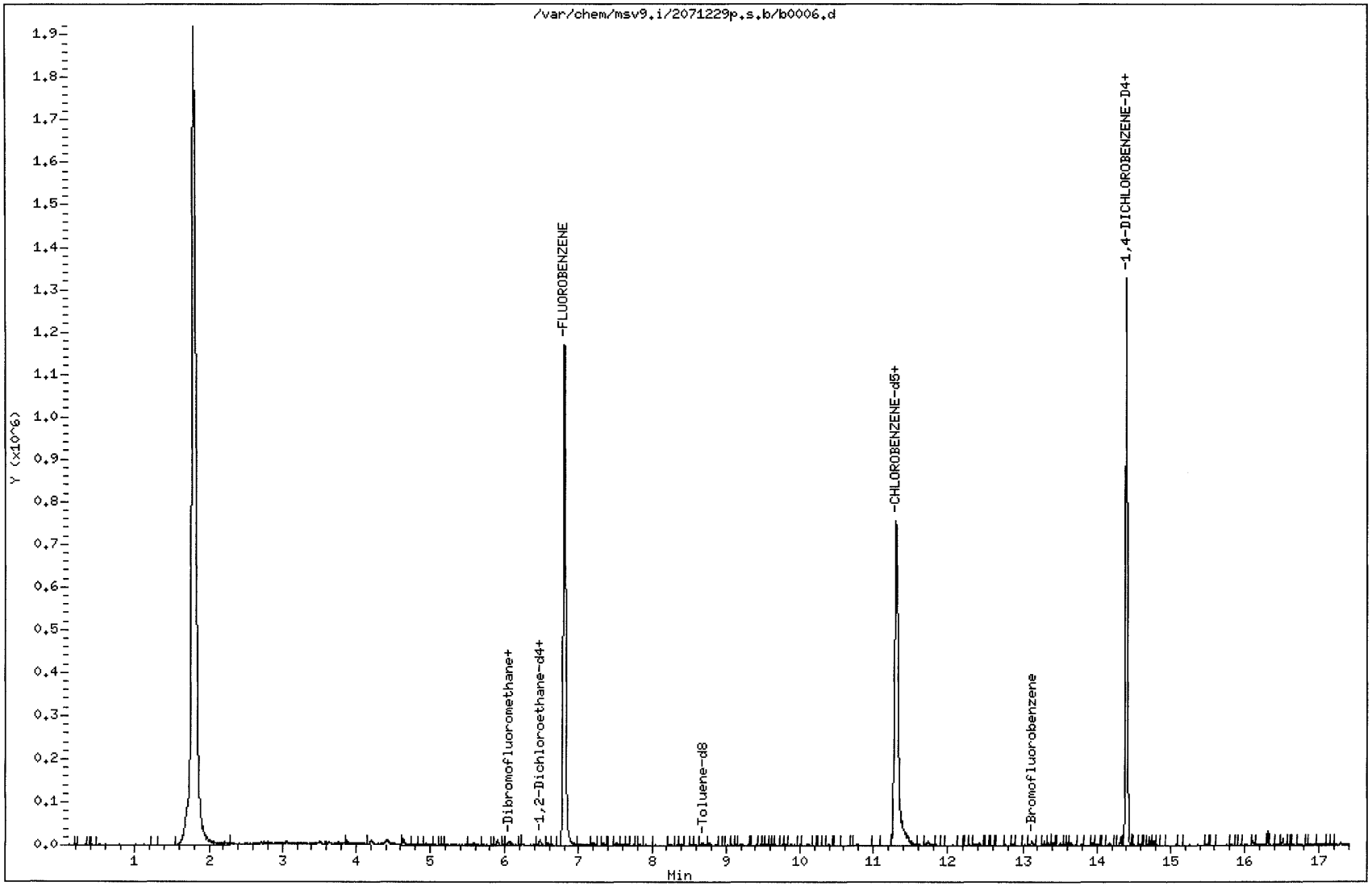
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
104 1,3,5-Trimethylbenzene	105	13.601	13.601	(0.945)	3131	0.20000		(a)
102 4-Chlorotoluene	91	13.638	13.638	(0.947)	5543	0.20000	0.347	(aM1)
105 tert-butylbenzene	91	13.936	13.936	(0.968)	1632	0.20000	0.477	(a)
106 1,2,4-Trimethylbenzene	105	14.011	14.011	(0.973)	3199	0.20000	0.0806	(a)
107 sec-Butylbenzene	105	14.165	14.165	(0.984)	4741	0.20000	0.408	(a)
108 1,3-Dichlorobenzene	146	14.321	14.321	(0.995)	4177	0.20000	0.424	(a)
111 p-Isopropyltoluene	119	14.326	14.326	(0.995)	3144	0.20000	0.752	(aM1)
* 109 1,4-DICHLOROBENZENE-D4	152	14.393	14.393	(1.000)	301829	50.0000		
110 1,4-Dichlorobenzene	146	14.416	14.416	(1.002)	7383	0.20000	0.745	(a)
114 n-Butylbenzene	91	14.714	14.714	(1.022)	7177	0.20000	0.481	(aM1)
113 1,2-Dichlorobenzene	146	14.778	14.778	(1.027)	4041	0.20000	0.402	(a)
115 1,2-Dibromo-3-Chloropropane	157	15.484	15.484	(1.076)	92	0.20000	0.988	(aM1)
116 1,2,4-Trichlorobenzene	180	16.119	16.119	(1.120)	2988	0.20000	0.648	(aM1)
118 Hexachlorobutadiene	225	16.192	16.192	(1.125)	557	0.20000	0.325	(aM1)
117 Naphthalene	128	16.320	16.320	(1.134)	17805	0.20000	0.897	(a)
119 1,2,3-Trichlorobenzene	180	16.521	16.521	(1.148)	3062	0.20000	0.625	(aM1)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M1- Compound response manually integrated because
Target system did not integrate.

168888

Data File: /var/chem/msv9.i/2071229p.s.b/b0006.d
Date : 29-DEC-2007 11:46
Client ID: V9STD0.20
Instrument: msv9.i
Sample Info: 1205*V9STD0.20*6-13-9
Purge Volume: 5.0
Operator: JCK
Column phase: DB-VRX-20M
Column diameter: 0.18



GCAL, Inc.

Data file : /var/chem/msv9.i/2071229p.s.b/b0008.d
Lab Smp Id: 1208 Client Smp ID: V9STD001
Inj Date : 29-DEC-2007 12:55
Operator : JCK Inst ID: msv9.i
Smp Info : 1208*V9STD001*6-13-9
Misc Info : MSV~12192~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071229p.s.b/8260bw9.m
Meth Date : 29-Dec-2007 20:31 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 12:55 Cal File: b0008.d
Als bottle: 3 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY	
1	Dichlorodifluoromethane	85	1.973	1.973	(0.290)	11022	1.00000	1.03		
2	Chloromethane ++	50	2.218	2.218	(0.326)	14790	1.00000	1.09		
3	Vinyl Chloride +	62	2.321	2.321	(0.341)	12643	1.00000	1.04		
5	Bromomethane	94	2.712	2.712	(0.399)	5634	1.00000	0.853		(a)
6	Chloroethane	64	2.815	2.815	(0.414)	7078	1.00000	1.43		
9	Trichlorofluoromethane	101	3.068	3.068	(0.451)	15743	1.00000	1.00		
19	1,1,2Trichlotrifluoroethane	101	3.587	3.587	(0.528)	8646	1.00000	1.06		
8	Acrolein	56	3.598	3.598	(0.529)	8933	5.00000	5.24		
13	1,1-Dichloroethene +	96	3.637	3.637	(0.535)	6894	1.00000	1.11		
11	Acetone	43	3.757	3.757	(0.553)	10068	1.00000	1.66		
14	Methyl Iodide	142	3.824	3.824	(0.563)	7204	1.00000	1.24		
21	Carbon Disulfide	76	3.869	3.869	(0.569)	29945	1.00000	1.01		
20	Methyl Acetate	43	4.078	4.078	(0.600)	12423	1.00000	1.14	6622	
18	Methylene Chloride	49	4.209	4.209	(0.619)	14606	1.00000	1.18		

168890

			QUANT SIG					AMOUNTS CAL-AMT	ON-COL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	SIMILARITY
	25	MTBE	73	4.413	4.413	(0.649)	25055	1.00000	0.968	8342(a)
	22	trans-1,2-Dichloroethene	61	4.440	4.440	(0.653)	12667	1.00000	1.14	
	16	Acrylonitrile	53	4.544	4.544	(0.668)	26890	5.00000	5.23	
	32	Hexane	57	4.633	4.633	(0.682)	13508	1.00000	1.11	0(M1)
	26	1,1-Dichloroethane ++	63	4.940	4.940	(0.727)	14746	1.00000	1.02	
	29	Vinyl Acetate	43	4.959	4.959	(0.730)	11979	1.00000	0.901	(a)
	38	2,2-Dichloropropane	77	5.534	5.534	(0.814)	7923	1.00000	0.972	(aM1)
	23	cis-1,2-Dichloroethene	61	5.573	5.573	(0.820)	9707	1.00000	0.903	(a)
	33	2-Butanone	43	5.592	5.592	(0.823)	7640	1.00000	1.07	
	36	Bromochloromethane	128	5.832	5.832	(0.858)	2516	1.00000	0.868	(a)
	37	Chloroform +	83	5.902	5.902	(0.868)	18497	1.00000	1.41	
M	80	Total 1,2-Dichloroethene	61				22374	2.00000	2.05	
	45	Cyclohexane	56	6.052	6.052	(0.890)	10906	1.00000	0.788	8358(a)
	43	1,1,1-Trichloroethane	97	6.063	6.063	(0.892)	7988	1.00000	0.878	(a)
$	39	Dibromofluoromethane	111	6.075	6.075	(0.894)	5574	1.00000	0.975	6757(a)
	46	Carbon Tetrachloride	117	6.203	6.203	(0.913)	7123	1.00000	0.992	(a)
	44	1,1-Dichloropropene	75	6.236	6.236	(0.918)	8480	1.00000	0.886	(a)
	47	Benzene	78	6.471	6.471	(0.952)	29882	1.00000	0.959	(a)
$	41	1,2-Dichloroethane-d4	67	6.487	6.487	(0.954)	4410	1.00000	1.13	
	42	1,2-Dichloroethane	62	6.579	6.579	(0.968)	10791	1.00000	0.979	(a)
*	50	FLUOROBENZENE	96	6.797	6.797	(1.000)	1172503	50.0000		
	57	Trichloroethene	130	7.198	7.198	(1.059)	6662	1.00000	1.07	
	61	Methyl Cyclohexane	83	7.346	7.346	(1.081)	8295	1.00000	0.773	8018(a)
	56	1,2-Dichloropropane +	63	7.519	7.519	(1.106)	8142	1.00000	0.933	(a)
	55	Dibromomethane	93	7.653	7.653	(1.126)	3538	1.00000	0.945	(a)
	58	Bromodichloromethane	83	7.831	7.831	(1.152)	8210	1.00000	0.927	(a)
	62	2-Chloroethyl vinyl ether	63	8.197	8.197	(1.206)	1721	1.00000	2.95	(M1)
	60	1-Bromo-2-chloroethane	144	8.244	8.244	(1.213)	217	1.00000	0.183	0(aM1)
	63	cis-1,3-Dichloropropene	75	8.375	8.375	(1.232)	7021	1.00000	0.761	(a)
	65	4-methyl-2-pentanone	43	8.570	8.570	(1.261)	7368	1.00000	1.33	
$	68	Toluene-d8	98	8.674	8.674	(0.767)	17894	1.00000	0.946	(a)
	70	Toluene +	91	8.768	8.768	(0.776)	22420	1.00000	0.830	(a)
	66	trans-1,3-Dichloropropene	75	9.201	9.201	(1.354)	6548	1.00000	0.790	(aM1)
M	87	1-3 Dichloropropene total	100				13569	2.00000	1.55	0
	67	1,1,2-Trichloroethane	97	9.485	9.485	(0.839)	6682	1.00000	1.06	
	78	Tetrachloroethene	164	9.566	9.566	(0.846)	4295	1.00000	1.08	
	71	1,3-Dichloropropane	76	9.795	9.795	(0.866)	10039	1.00000	0.947	(a)
	73	2-Hexanone	43	9.889	9.889	(0.875)	3494	1.00000	0.486	(aM1)
	72	Dibromochloromethane	129	10.149	10.149	(0.898)	4644	1.00000	0.910	(a)
	74	1,2-Dibromoethane(EDB)	107	10.397	10.397	(0.920)	5568	1.00000	1.08	
	86	1-Chlorohexane	91	11.295	11.295	(1.662)	5163	1.00000	2.71	4773
*	83	CHLOROBENZENE-d5	82	11.306	11.306	(1.000)	461866	50.0000		
	85	Chlorobenzene ++	112	11.345	11.345	(1.003)	18193	1.00000	1.09	
	88	Ethylbenzene +	106	11.507	11.507	(1.018)	7016	1.00000	0.804	(a)
	82	1,1,1,2-Tetrachloroethane	133	11.532	11.532	(1.020)	4748	1.00000	0.947	(aM1)
	89	p,m-Xylene	106	11.733	11.733	(1.038)	14981	2.00000	3.06	
	93	o-Xylene	106	12.371	12.371	(1.094)	5618	1.00000	1.56	

168891

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
M 120 TOTAL XYLENE	106				20599	3.00000	4.62	
91 Styrene	104	12.416	12.416	(1.098)	8439	1.00000	1.78	
90 Bromoform ++	173	12.692	12.692	(1.123)	2429	1.00000	0.818	(a)
96 Isopropylbenzene	105	12.865	12.865	(1.138)	13948	1.00000	1.35	(M1)
$ 97 Bromofluorobenzene	174	13.119	13.119	(1.160)	4077	1.00000	0.918	(a)
98 Bromobenzene	77	13.286	13.286	(0.923)	8554	1.00000	0.893	(a)
92 1,1,2,2-Tetrachloroethane++	83	13.345	13.345	(0.927)	9061	1.00000		(aM1)
100 n-Propylbenzene	91	13.381	13.381	(0.930)	16685	1.00000	0.833	(a)
94 1,2,3-Trichloropropane	75	13.403	13.403	(0.931)	8961	1.00000	0.916	(a)
95 trans-1,4-Dichloro-2-Butene	53	13.437	13.437	(0.934)	413	1.00000	0.265	(aM1)
101 2-Chlorotoluene	91	13.512	13.512	(0.939)	13696	1.00000	0.764	(a)
104 1,3,5-Trimethylbenzene	105	13.604	13.604	(0.945)	12495	1.00000	0.358	(a)
102 4-Chlorotoluene	91	13.646	13.646	(0.948)	13902	1.00000	0.842	(a)
105 tert-butylbenzene	91	13.941	13.941	(0.969)	6757	1.00000	0.926	(a)
106 1,2,4-Trimethylbenzene	105	14.011	14.011	(0.974)	12055	1.00000	0.505	(a)
107 sec-Butylbenzene	105	14.170	14.170	(0.985)	15409	1.00000	0.846	(a)
108 1,3-Dichlorobenzene	146	14.318	14.318	(0.995)	10727	1.00000	1.05	
111 p-Isopropyltoluene	119	14.315	14.315	(0.995)	10688	1.00000	1.11	
* 109 1,4-DICHLOROBENZENE-D4	152	14.390	14.390	(1.000)	311850	50.0000		
110 1,4-Dichlorobenzene	146	14.413	14.413	(1.002)	12867	1.00000	1.26	
114 n-Butylbenzene	91	14.714	14.714	(1.022)	14418	1.00000	0.935	(a)
113 1,2-Dichlorobenzene	146	14.778	14.778	(1.027)	11158	1.00000	1.08	
115 1,2-Dibromo-3-Chloropropane	157	15.489	15.489	(1.076)	568	1.00000	1.31	(M1)
116 1,2,4-Trichlorobenzene	180	16.114	16.114	(1.120)	5115	1.00000	1.07	
118 Hexachlorobutadiene	225	16.197	16.197	(1.126)	2259	1.00000	1.28	
117 Naphthalene	128	16.326	16.326	(1.134)	24753	1.00000	1.21	
119 1,2,3-Trichlorobenzene	180	16.521	16.521	(1.148)	5267	1.00000	1.04	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M1- Compound response manually integrated because
Target system did not integrate.

168892

Data File: /var/chem/msv9.i/2071229p.s.b/b0008.d

Page 1

Date : 29-DEC-2007 12:55

Client ID: V9STD001

Instrument: msv9.i

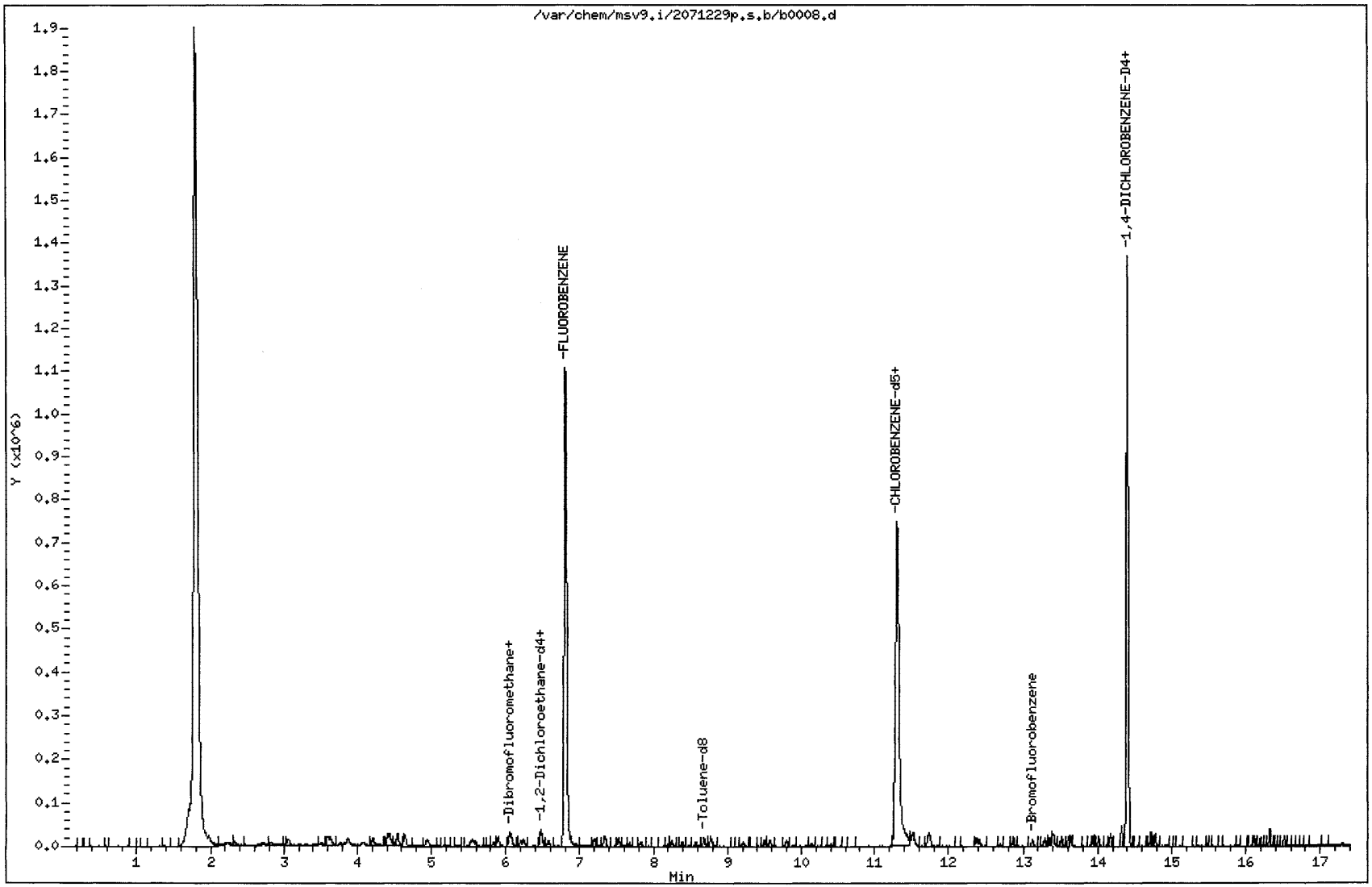
Sample Info: 1208*V9STD001*6-13-9

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-20M

Column diameter: 0.18



GCAL, Inc.

Data file : /var/chem/msv9.i/2071229p.s.b/b0009.d
Lab Smp Id: 1201 Client Smp ID: V9STD005
Inj Date : 29-DEC-2007 13:18
Operator : JCK Inst ID: msv9.i
Smp Info : 1201*V9STD005*6-13-9
Misc Info : MSV~12192~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071229p.s.b/8260bw9.m
Meth Date : 29-Dec-2007 20:31 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 13:18 Cal File: b0009.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
1	Dichlorodifluoromethane	85	1.970	1.970	(0.290)	53257	5.00000	4.87	
2	Chloromethane ++	50	2.210	2.210	(0.325)	69595	5.00000	5.02	
3	Vinyl Chloride +	62	2.313	2.313	(0.340)	63899	5.00000	5.13	
5	Bromomethane	94	2.715	2.715	(0.399)	18757	5.00000	5.30	
6	Chloroethane	64	2.818	2.818	(0.414)	32724	5.00000	5.00	
9	Trichlorofluoromethane	101	3.058	3.058	(0.450)	77481	5.00000	4.83	
19	1,1,2Trichlotrifluoroethane	101	3.596	3.596	(0.529)	42720	5.00000	5.10	
8	Acrolein	56	3.601	3.601	(0.530)	43760	25.0000	25.1	
13	1,1-Dichloroethene +	96	3.632	3.632	(0.534)	31625	5.00000	4.97	
11	Acetone	43	3.760	3.760	(0.553)	34520	5.00000	5.59	
14	Methyl Iodide	142	3.827	3.827	(0.563)	27374	5.00000	4.62	
21	Carbon Disulfide	76	3.866	3.866	(0.569)	111255	5.00000	4.82	
20	Methyl Acetate	43	4.064	4.064	(0.598)	58431	5.00000	5.26	9381
18	Methylene Chloride	49	4.206	4.206	(0.619)	64909	5.00000	5.15	

168894

			QUANT SIG					AMOUNTS		
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	25	MTBE	73	4.413	4.413	(0.649)	132076	5.00000	4.99	9007
	22	trans-1,2-Dichloroethene	61	4.446	4.446	(0.654)	56527	5.00000	4.99	
	16	Acrylonitrile	53	4.544	4.544	(0.668)	129476	25.0000	24.7	
	32	Hexane	57	4.647	4.647	(0.683)	60499	5.00000	4.87	0(M1)
	26	1,1-Dichloroethane ++	63	4.940	4.940	(0.726)	72207	5.00000	4.88	
	29	Vinyl Acetate	43	4.968	4.968	(0.731)	63722	5.00000	4.69	
	38	2,2-Dichloropropane	77	5.537	5.537	(0.814)	40083	5.00000	4.81	
	23	cis-1,2-Dichloroethene	61	5.559	5.559	(0.818)	52023	5.00000	4.74	
	33	2-Butanone	43	5.595	5.595	(0.823)	34391	5.00000	4.74	
	36	Bromochloromethane	128	5.824	5.824	(0.856)	14888	5.00000	5.03	
	37	Chloroform +	83	5.891	5.891	(0.866)	67648	5.00000	5.04	
M	80	Total 1,2-Dichloroethene	61				108550	10.0000	9.73	
	45	Cyclohexane	56	6.053	6.053	(0.890)	63942	5.00000	4.52	9297
	43	1,1,1-Trichloroethane	97	6.061	6.061	(0.891)	44490	5.00000	4.79	
$	39	Dibromofluoromethane	111	6.080	6.080	(0.894)	30087	5.00000	5.15	9011
	46	Carbon Tetrachloride	117	6.192	6.192	(0.911)	35713	5.00000	4.87	
	44	1,1-Dichloropropene	75	6.239	6.239	(0.918)	43822	5.00000	4.48	
	47	Benzene	78	6.474	6.474	(0.952)	155817	5.00000	4.90	
$	41	1,2-Dichloroethane-d4	67	6.499	6.499	(0.956)	19087	5.00000	4.80	
	42	1,2-Dichloroethane	62	6.574	6.574	(0.967)	55106	5.00000	4.89	
*	50	FLUOROBENZENE	96	6.800	6.800	(1.000)	1197807	50.0000		
	57	Trichloroethene	130	7.199	7.199	(1.059)	31518	5.00000	4.94	
	61	Methyl Cyclohexane	83	7.338	7.338	(1.079)	49732	5.00000	4.54	9078
	56	1,2-Dichloropropane +	63	7.517	7.517	(1.105)	41464	5.00000	4.65	
	55	Dibromomethane	93	7.662	7.662	(1.127)	19540	5.00000	5.11	
	58	Bromodichloromethane	83	7.818	7.818	(1.150)	41627	5.00000	4.60	
	62	2-Chloroethyl vinyl ether	63	8.203	8.203	(1.206)	10961	5.00000	5.16	(M1)
	60	1-Bromo-2-chloroethane	144	8.242	8.242	(1.212)	5832	5.00000	4.83	9366
	63	cis-1,3-Dichloropropene	75	8.384	8.384	(1.233)	44945	5.00000	4.77	
	65	4-methyl-2-pentanone	43	8.576	8.576	(1.261)	51561	5.00000	4.45	
$	68	Toluene-d8	98	8.679	8.679	(0.768)	104361	5.00000	5.17	
	70	Toluene +	91	8.777	8.777	(0.777)	144892	5.00000	5.03	
	66	trans-1,3-Dichloropropene	75	9.206	9.206	(1.354)	39840	5.00000	4.71	
M	87	1-3 Dichloropropene total	100				84785	10.0000	9.48	0
	67	1,1,2-Trichloroethane	97	9.491	9.491	(0.840)	35409	5.00000	5.28	
	78	Tetrachloroethene	164	9.561	9.561	(0.846)	21764	5.00000	5.11	
	71	1,3-Dichloropropane	76	9.792	9.792	(0.867)	56905	5.00000	5.04	
	73	2-Hexanone	43	9.887	9.887	(0.875)	30520	5.00000	3.98	
	72	Dibromochloromethane	129	10.141	10.141	(0.898)	26400	5.00000	4.85	
	74	1,2-Dibromoethane(EDB)	107	10.383	10.383	(0.919)	30553	5.00000	5.54	
	86	1-Chlorohexane	91	11.287	11.287	(1.660)	26700	5.00000	4.99	7038
*	83	CHLOROBENZENE-d5	82	11.298	11.298	(1.000)	492502	50.0000		
	85	Chlorobenzene ++	112	11.354	11.354	(1.005)	92005	5.00000	5.17	
	88	Ethylbenzene +	106	11.513	11.513	(1.019)	42945	5.00000	4.61	
	82	1,1,1,2-Tetrachloroethane	133	11.521	11.521	(1.020)	27012	5.00000	5.05	
	89	p,m-Xylene	106	11.733	11.733	(1.038)	102642	10.0000	9.76	
	93	o-Xylene	106	12.369	12.369	(1.095)	45147	5.00000	4.65	

168895

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
M 120 TOTAL XYLENE	106				147789	15.0000	14.4	
91 Styrene	104	12.416	12.416	(1.099)	74117	5.00000	5.06	
90 Bromoform ++	173	12.698	12.698	(1.124)	14631	5.00000	4.62	
96 Isopropylbenzene	105	12.868	12.868	(1.139)	111530	5.00000	4.61	
$ 97 Bromofluorobenzene	174	13.116	13.116	(1.161)	23058	5.00000	4.87	
98 Bromobenzene	77	13.281	13.281	(0.923)	51331	5.00000	4.92	
92 1,1,2,2-Tetrachloroethane++	83	13.342	13.342	(0.927)	51831	5.00000	4.69	
100 n-Propylbenzene	91	13.384	13.384	(0.930)	126231	5.00000	4.37	
94 1,2,3-Trichloropropane	75	13.401	13.401	(0.931)	51853	5.00000	4.87	
95 trans-1,4-Dichloro-2-Butene	53	13.434	13.434	(0.934)	8437	5.00000	4.97	
101 2-Chlorotoluene	91	13.507	13.507	(0.939)	91315	5.00000	4.68	
104 1,3,5-Trimethylbenzene	105	13.601	13.601	(0.945)	107760	5.00000	4.48	
102 4-Chlorotoluene	91	13.643	13.643	(0.948)	93200	5.00000	5.19	
105 tert-butylbenzene	91	13.942	13.942	(0.969)	50426	5.00000	4.43	
106 1,2,4-Trimethylbenzene	105	14.006	14.006	(0.973)	104339	5.00000	4.57	
107 sec-Butylbenzene	105	14.170	14.170	(0.985)	111200	5.00000	4.47	
108 1,3-Dichlorobenzene	146	14.318	14.318	(0.995)	55540	5.00000	5.01	
111 p-Isopropyltoluene	119	14.321	14.321	(0.995)	88825	5.00000	4.57	
* 109 1,4-DICHLOROBENZENE-D4	152	14.391	14.391	(1.000)	339384	50.0000		
110 1,4-Dichlorobenzene	146	14.413	14.413	(1.002)	55424	5.00000	4.97	
114 n-Butylbenzene	91	14.711	14.711	(1.022)	76371	5.00000	4.55	
113 1,2-Dichlorobenzene	146	14.775	14.775	(1.027)	55349	5.00000	4.90	
115 1,2-Dibromo-3-Chloropropane	157	15.481	15.481	(1.076)	6237	5.00000	4.78	
116 1,2,4-Trichlorobenzene	180	16.111	16.111	(1.120)	22958	5.00000	4.42	
118 Hexachlorobutadiene	225	16.195	16.195	(1.125)	9274	5.00000	4.82	
117 Naphthalene	128	16.320	16.320	(1.134)	104900	5.00000	4.70	
119 1,2,3-Trichlorobenzene	180	16.513	16.513	(1.147)	27128	5.00000	4.92	

QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.

168896

Data File: /var/chem/msv9.i/2071229p.s.b/b0009.d

Date : 29-DEC-2007 13:18

Client ID: V9STD005

Instrument: msv9.i

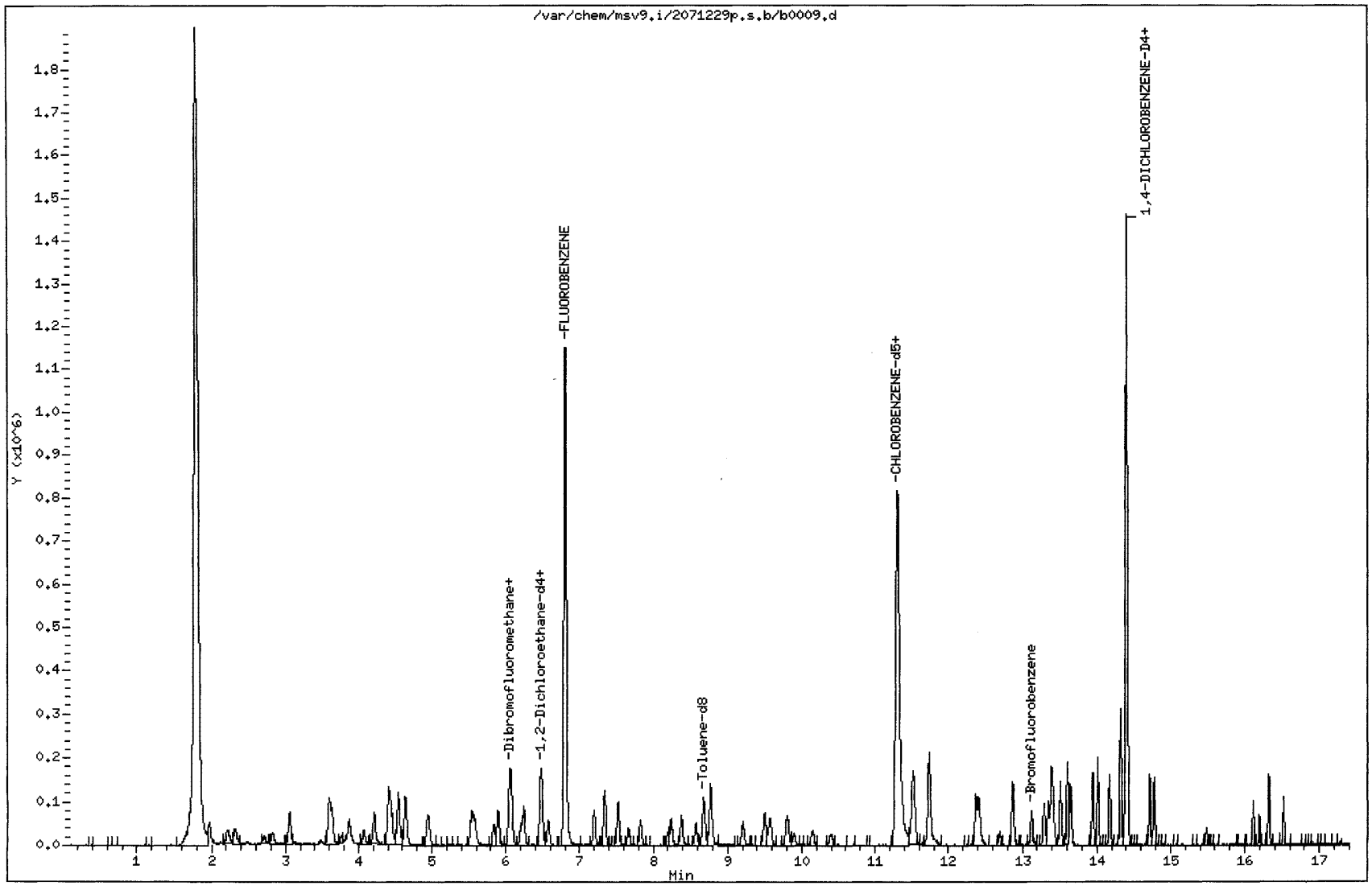
Sample Info: 1201*V9STD005*6-13-9

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-20M

Column diameter: 0.18



GCAL, Inc.

Data file : /var/chem/msv9.i/2071229p.s.b/b0010.d
Lab Smp Id: 1206 Client Smp ID: V9STD010
Inj Date : 29-DEC-2007 13:41
Operator : JCK Inst ID: msv9.i
Smp Info : 1206*V9STD010*6-13-9
Misc Info : MSV~12192~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071229p.s.b/8260bw9.m
Meth Date : 29-Dec-2007 20:31 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 13:41 Cal File: b0010.d
Als bottle: 5 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.970	1.970	(0.290)	96536	10.0000	9.12	
2 Chloromethane ++	50	2.221	2.221	(0.327)	134106	10.0000	9.99	
3 Vinyl Chloride +	62	2.318	2.318	(0.341)	119007	10.0000	9.86	
5 Bromomethane	94	2.700	2.700	(0.397)	31550	10.0000	10.0	
6 Chloroethane	64	2.823	2.823	(0.415)	59539	10.0000	9.37	
9 Trichlorofluoromethane	101	3.060	3.060	(0.450)	143500	10.0000	9.23	
19 1,1,2Trichlotrifluoroethane	101	3.593	3.593	(0.529)	79908	10.0000	9.86	
8 Acrolein	56	3.598	3.598	(0.529)	88003	50.0000	52.2	
13 1,1-Dichloroethene +	96	3.635	3.635	(0.535)	61304	10.0000	9.94	
11 Acetone	43	3.760	3.760	(0.553)	62110	10.0000	10.4	
14 Methyl Iodide	142	3.824	3.824	(0.563)	51269	10.0000	8.94	
21 Carbon Disulfide	76	3.869	3.869	(0.569)	200427	10.0000	9.35	
20 Methyl Acetate	43	4.067	4.067	(0.598)	104941	10.0000	9.76	9480
18 Methylene Chloride	49	4.209	4.209	(0.619)	119575	10.0000	9.79	

168898

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	25	MTBE	73	4.407	4.407	(0.648)	246946	10.0000	9.64	9102
	22	trans-1,2-Dichloroethene	61	4.446	4.446	(0.654)	104667	10.0000	9.54	
	16	Acrylonitrile	53	4.538	4.538	(0.668)	256723	50.0000	50.5	
	32	Hexane	57	4.638	4.638	(0.682)	111302	10.0000	9.24	9109
	26	1,1-Dichloroethane ++	63	4.937	4.937	(0.726)	129564	10.0000	9.04	
	29	Vinyl Acetate	43	4.962	4.962	(0.730)	132671	10.0000	10.1	
	38	2,2-Dichloropropane	77	5.534	5.534	(0.814)	76599	10.0000	9.49	
	23	cis-1,2-Dichloroethene	61	5.564	5.564	(0.819)	103076	10.0000	9.69	
	33	2-Butanone	43	5.592	5.592	(0.823)	69333	10.0000	9.86	
	36	Bromochloromethane	128	5.835	5.835	(0.858)	27747	10.0000	9.67	
	37	Chloroform +	83	5.891	5.891	(0.867)	116753	10.0000	8.98	
M	80	Total 1,2-Dichloroethene	61				207743	20.0000	19.2	
	45	Cyclohexane	56	6.047	6.047	(0.890)	129382	10.0000	9.45	9480
	43	1,1,1-Trichloroethane	97	6.061	6.061	(0.892)	84324	10.0000	9.37	
$	39	Dibromofluoromethane	111	6.080	6.080	(0.895)	55508	10.0000	9.81	8880
	46	Carbon Tetrachloride	117	6.203	6.203	(0.913)	67191	10.0000	9.46	
	44	1,1-Dichloropropene	75	6.242	6.242	(0.918)	85245	10.0000	9.00	
	47	Benzene	78	6.471	6.471	(0.952)	288006	10.0000	9.34	
$	41	1,2-Dichloroethane-d4	67	6.485	6.485	(0.954)	39744	10.0000	10.3	
	42	1,2-Dichloroethane	62	6.579	6.579	(0.968)	103935	10.0000	9.53	
*	50	FLUOROBENZENE	96	6.797	6.797	(1.000)	1160124	50.0000		
	57	Trichloroethene	130	7.196	7.196	(1.059)	57009	10.0000	9.23	
	61	Methyl Cyclohexane	83	7.332	7.332	(1.079)	100441	10.0000	9.46	9443
	56	1,2-Dichloropropane +	63	7.516	7.516	(1.106)	77408	10.0000	8.96	
	55	Dibromomethane	93	7.664	7.664	(1.128)	35670	10.0000	9.63	
	58	Bromodichloromethane	83	7.826	7.826	(1.151)	81047	10.0000	9.25	
	62	2-Chloroethyl vinyl ether	63	8.186	8.186	(1.204)	24879	10.0000	8.71	(H)
	60	1-Bromo-2-chloroethane	144	8.241	8.241	(1.213)	11412	10.0000	9.75	9478
	63	cis-1,3-Dichloropropene	75	8.381	8.381	(1.233)	94130	10.0000	10.3	
	65	4-methyl-2-pentanone	43	8.570	8.570	(1.261)	112013	10.0000	8.98	
$	68	Toluene-d8	98	8.674	8.674	(0.768)	207041	10.0000	10.3	
	70	Toluene +	91	8.768	8.768	(0.776)	280673	10.0000	9.75	
	66	trans-1,3-Dichloropropene	75	9.209	9.209	(1.355)	75819	10.0000	9.25	
M	87	1-3 Dichloropropene total	100				169949	20.0000	19.6	0
	67	1,1,2-Trichloroethane	97	9.491	9.491	(0.840)	64071	10.0000	9.56	
	78	Tetrachloroethene	164	9.563	9.563	(0.846)	40131	10.0000	9.43	
	71	1,3-Dichloropropane	76	9.800	9.800	(0.867)	110342	10.0000	9.77	
	73	2-Hexanone	43	9.889	9.889	(0.875)	74317	10.0000	9.70	
	72	Dibromochloromethane	129	10.146	10.146	(0.898)	51491	10.0000	9.47	
	74	1,2-Dibromoethane(EDB)	107	10.391	10.391	(0.920)	56385	10.0000	10.2	
	86	1-Chlorohexane	91	11.284	11.284	(1.660)	60333	10.0000	8.79	7509
*	83	CHLOROBENZENE-d5	82	11.298	11.298	(1.000)	492248	50.0000		
	85	Chlorobenzene ++	112	11.359	11.359	(1.005)	172083	10.0000	9.68	
	88	Ethylbenzene +	106	11.512	11.512	(1.019)	86873	10.0000	9.34	
	82	1,1,1,2-Tetrachloroethane	133	11.532	11.532	(1.021)	54689	10.0000	10.2	
	89	p,m-Xylene	106	11.733	11.733	(1.038)	218938	20.0000	18.8	
	93	o-Xylene	106	12.369	12.369	(1.095)	99912	10.0000	8.98	

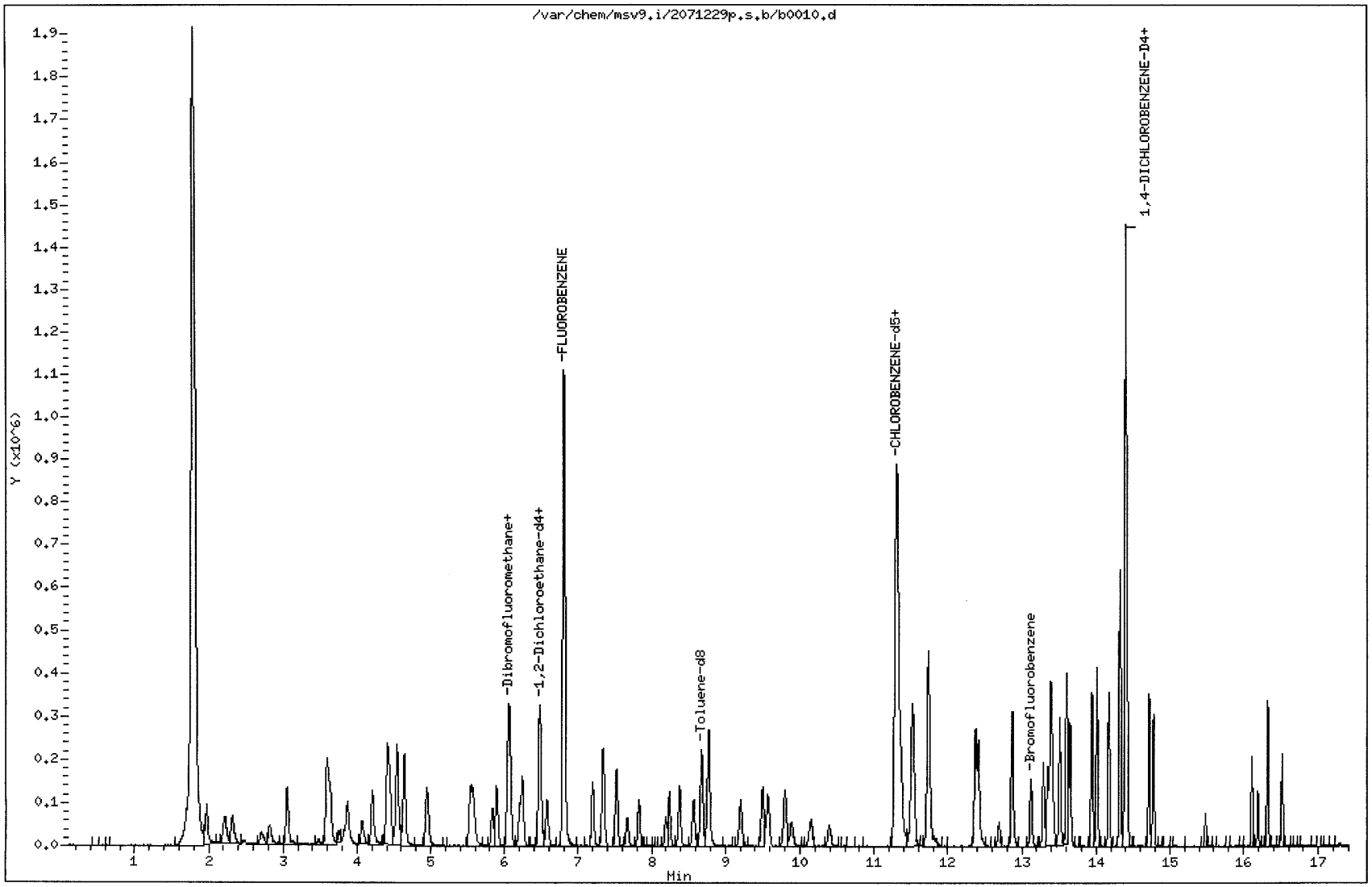
168899

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
M 120 TOTAL XYLENE	106				318850	30.0000	27.7	
91 Styrene	104	12.410	12.410	(1.098)	159647	10.0000	9.38	
90 Bromoform ++	173	12.692	12.692	(1.123)	29138	10.0000	9.20	
96 Isopropylbenzene	105	12.868	12.868	(1.139)	243467	10.0000	9.06	
$ 97 Bromofluorobenzene	174	13.124	13.124	(1.162)	45273	10.0000	9.57	
98 Bromobenzene	77	13.289	13.289	(0.923)	103732	10.0000	10.0	
92 1,1,2,2-Tetrachloroethane++	83	13.342	13.342	(0.927)	100374	10.0000	10.2	
100 n-Propylbenzene	91	13.384	13.384	(0.930)	280306	10.0000	9.46	
94 1,2,3-Trichloropropane	75	13.403	13.403	(0.931)	101686	10.0000	9.60	
95 trans-1,4-Dichloro-2-Butene	53	13.434	13.434	(0.934)	16063	10.0000	9.51	
101 2-Chlorotoluene	91	13.506	13.506	(0.939)	187214	10.0000	9.65	
104 1,3,5-Trimethylbenzene	105	13.598	13.598	(0.945)	225218	10.0000	9.67	
102 4-Chlorotoluene	91	13.643	13.643	(0.948)	179717	10.0000	10.1	
105 tert-butylbenzene	91	13.939	13.939	(0.969)	108207	10.0000	9.18	
106 1,2,4-Trimethylbenzene	105	14.008	14.008	(0.973)	219308	10.0000	9.74	
107 sec-Butylbenzene	105	14.167	14.167	(0.984)	239070	10.0000	9.42	
108 1,3-Dichlorobenzene	146	14.318	14.318	(0.995)	104814	10.0000	9.50	
111 p-Isopropyltoluene	119	14.321	14.321	(0.995)	192754	10.0000	9.27	
* 109 1,4-DICHLOROBENZENE-D4	152	14.390	14.390	(1.000)	337726	50.0000		
110 1,4-Dichlorobenzene	146	14.413	14.413	(1.002)	105448	10.0000	9.50	
114 n-Butylbenzene	91	14.714	14.714	(1.022)	168591	10.0000	10.1	
113 1,2-Dichlorobenzene	146	14.772	14.772	(1.027)	109932	10.0000	9.78	
115 1,2-Dibromo-3-Chloropropane	157	15.483	15.483	(1.076)	13561	10.0000	9.36	
116 1,2,4-Trichlorobenzene	180	16.108	16.108	(1.119)	48456	10.0000	9.38	
118 Hexachlorobutadiene	225	16.189	16.189	(1.125)	17698	10.0000	9.24	
117 Naphthalene	128	16.320	16.320	(1.134)	213640	10.0000	9.62	
119 1,2,3-Trichlorobenzene	180	16.515	16.515	(1.148)	52171	10.0000	9.51	

QC Flag Legend

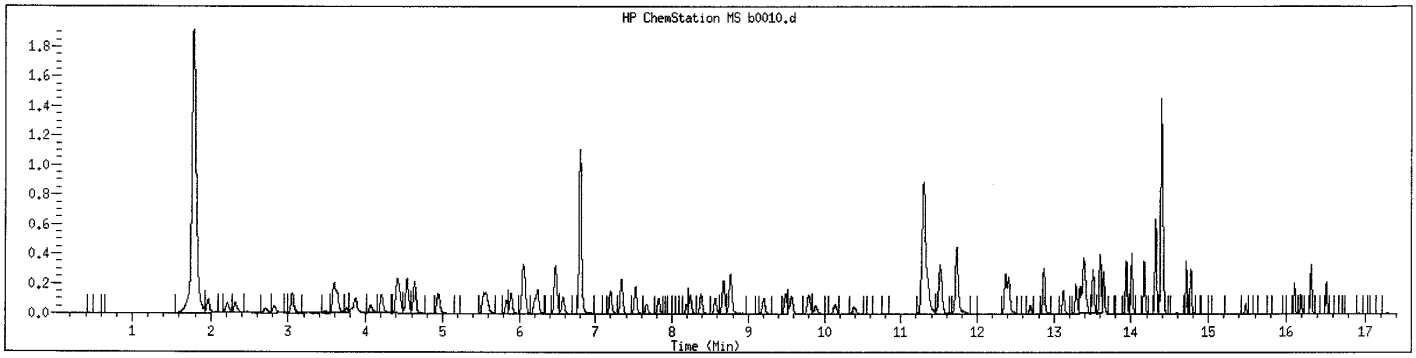
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv9.i/2071229p.s.b/b0010.d
Date : 29-DEC-2007 13:41
Client ID: V9STD010
Instrument: msv9.i
Sample Info: 1206*V9STD010*6-13-9
Purge Volume: 5.0
Operator: JCK
Column phase: DB-VRX-20M
Column diameter: 0.18



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1206 SampleType : CALIB_6
Injection Date: 12/29/2007 13:41 Instrument : msv9.i
Operator : JCK
Sample Info : 1206*V9STD010*6-13-9
Misc Info : MSV~12192~*1*JCK
Method : /var/chem/msv9.i/2071229p.s.b/8260bw9.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260b



NO MANUAL INTEGRATIONS

168902

GCAL, Inc.

Data file : /var/chem/msv9.i/2071229p.s.b/b0011.d
Lab Smp Id: 1202 Client Smp ID: V9STD020
Inj Date : 29-DEC-2007 14:04
Operator : JCK Inst ID: msv9.i
Smp Info : 1202*V9STD020*6-13-9
Misc Info : MSV~12192~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071229p.s.b/8260bw9.m
Meth Date : 29-Dec-2007 20:31 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 14:04 Cal File: b0011.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
1	Dichlorodifluoromethane	85	1.964	1.964	(0.289)	199334	20.0000	18.4	
2	Chloromethane ++	50	2.212	2.212	(0.326)	268505	20.0000	19.5	
3	Vinyl Chloride +	62	2.310	2.310	(0.340)	240432	20.0000	19.5	
5	Bromomethane	94	2.706	2.706	(0.398)	57929	20.0000	18.9	
6	Chloroethane	64	2.820	2.820	(0.415)	108983	20.0000	17.6	
9	Trichlorofluoromethane	101	3.055	3.055	(0.449)	297843	20.0000	18.7	
19	1,1,2Trichlotrifluoroethane	101	3.582	3.582	(0.527)	161297	20.0000	19.4	
8	Acrolein	56	3.596	3.596	(0.529)	180111	100.000	104	
13	1,1-Dichloroethene +	96	3.637	3.637	(0.535)	116260	20.0000	18.4	
11	Acetone	43	3.755	3.755	(0.552)	121727	20.0000	19.9	
14	Methyl Iodide	142	3.827	3.827	(0.563)	104808	20.0000	17.8	
21	Carbon Disulfide	76	3.866	3.866	(0.569)	410802	20.0000	19.1	
20	Methyl Acetate	43	4.067	4.067	(0.598)	206769	20.0000	18.8	9645
18	Methylene Chloride	49	4.209	4.209	(0.619)	238871	20.0000	19.1	

168903

			QUANT SIG					AMOUNTS CAL-AMT	ON-COL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	SIMILARITY
	25	MTBE	73	4.407	4.407	(0.648)	506215	20.0000	19.3	9237
	22	trans-1,2-Dichloroethene	61	4.443	4.443	(0.654)	213493	20.0000	19.0	
	16	Acrylonitrile	53	4.535	4.535	(0.667)	502669	100.000	96.5	
	32	Hexane	57	4.639	4.639	(0.682)	229698	20.0000	18.6	9235
	26	1,1-Dichloroethane ++	63	4.934	4.934	(0.726)	266491	20.0000	18.1	
	29	Vinyl Acetate	43	4.962	4.962	(0.730)	272049	20.0000	20.2	
	38	2,2-Dichloropropane	77	5.531	5.531	(0.814)	162626	20.0000	19.7	
	23	cis-1,2-Dichloroethene	61	5.564	5.564	(0.819)	214216	20.0000	19.7	
	33	2-Butanone	43	5.590	5.590	(0.822)	143759	20.0000	20.0	
	36	Bromochloromethane	128	5.832	5.832	(0.858)	57718	20.0000	19.6	
	37	Chloroform +	83	5.896	5.896	(0.867)	237298	20.0000	17.8	
M	80	Total 1,2-Dichloroethene	61				427709	40.0000	38.7	
	45	Cyclohexane	56	6.047	6.047	(0.890)	285034	20.0000	20.3	9655
	43	1,1,1-Trichloroethane	97	6.064	6.064	(0.892)	176979	20.0000	19.2	
$	39	Dibromofluoromethane	111	6.075	6.075	(0.894)	111284	20.0000	19.2	8542
	46	Carbon Tetrachloride	117	6.203	6.203	(0.913)	140662	20.0000	19.3	
	44	1,1-Dichloropropene	75	6.239	6.239	(0.918)	178702	20.0000	18.4	
	47	Benzene	78	6.471	6.471	(0.952)	584505	20.0000	18.5	
$	41	1,2-Dichloroethane-d4	67	6.485	6.485	(0.954)	72450	20.0000	18.4	
	42	1,2-Dichloroethane	62	6.574	6.574	(0.967)	208244	20.0000	18.6	
*	50	FLUOROBENZENE	96	6.797	6.797	(1.000)	1188264	50.0000		
	57	Trichloroethene	130	7.196	7.196	(1.059)	120944	20.0000	19.1	
	61	Methyl Cyclohexane	83	7.335	7.335	(1.079)	220524	20.0000	20.3	9391
	56	1,2-Dichloropropane +	63	7.522	7.522	(1.107)	164736	20.0000	18.6	
	55	Dibromomethane	93	7.661	7.661	(1.127)	76170	20.0000	20.1	
	58	Bromodichloromethane	83	7.820	7.820	(1.151)	172254	20.0000	19.2	
	62	2-Chloroethyl vinyl ether	63	8.191	8.191	(1.205)	66325	20.0000	18.6	(H)
	60	1-Bromo-2-chloroethane	144	8.239	8.239	(1.212)	23962	20.0000	20.0	9452
	63	cis-1,3-Dichloropropene	75	8.381	8.381	(1.233)	204574	20.0000	21.9	
	65	4-methyl-2-pentanone	43	8.571	8.571	(1.261)	256916	20.0000	19.1	
$	68	Toluene-d8	98	8.677	8.677	(0.768)	424580	20.0000	19.7	
	70	Toluene +	91	8.769	8.769	(0.776)	609142	20.0000	19.8	
	66	trans-1,3-Dichloropropene	75	9.206	9.206	(1.354)	174292	20.0000	20.8	
M	87	1-3 Dichloropropene total	100				378866	40.0000	42.7	0
	67	1,1,2-Trichloroethane	97	9.494	9.494	(0.841)	135783	20.0000	18.9	
	78	Tetrachloroethene	164	9.569	9.569	(0.847)	86444	20.0000	19.0	
	71	1,3-Dichloropropane	76	9.795	9.795	(0.867)	236188	20.0000	19.5	
	73	2-Hexanone	43	9.881	9.881	(0.875)	168178	20.0000	20.5	
	72	Dibromochloromethane	129	10.141	10.141	(0.898)	115860	20.0000	19.9	
	74	1,2-Dibromoethane(EDB)	107	10.397	10.397	(0.920)	124517	20.0000	21.1	
	86	1-Chlorohexane	91	11.278	11.278	(1.659)	142499	20.0000	17.5	7660
*	83	CHLOROBENZENE-d5	82	11.295	11.295	(1.000)	527029	50.0000		
	85	Chlorobenzene ++	112	11.351	11.351	(1.005)	360749	20.0000	19.0	
	88	Ethylbenzene +	106	11.510	11.510	(1.019)	197760	20.0000	19.9	
	82	1,1,1,2-Tetrachloroethane	133	11.529	11.529	(1.021)	111019	20.0000	19.4	
	89	p,m-Xylene	106	11.730	11.730	(1.038)	479636	40.0000	36.5	
	93	o-Xylene	106	12.371	12.371	(1.095)	235825	20.0000	18.5	

168904

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
M 120 TOTAL XYLENE	106				715461	60.0000	55.0	
91 Styrene	104	12.413	12.413	(1.099)	343987	20.0000	17.5	
90 Bromoform ++	173	12.692	12.692	(1.124)	67623	20.0000	19.9	
96 Isopropylbenzene	105	12.868	12.868	(1.139)	561950	20.0000	18.5	
$ 97 Bromofluorobenzene	174	13.119	13.119	(1.161)	95332	20.0000	18.8	
98 Bromobenzene	77	13.286	13.286	(0.923)	224535	20.0000	20.8	
92 1,1,2,2-Tetrachloroethane++	83	13.345	13.345	(0.927)	213451	20.0000	22.1	
100 n-Propylbenzene	91	13.381	13.381	(0.930)	611060	20.0000	19.5	
94 1,2,3-Trichloropropane	75	13.400	13.400	(0.931)	217151	20.0000	19.7	
95 trans-1,4-Dichloro-2-Butene	53	13.428	13.428	(0.933)	35568	20.0000	20.2	
101 2-Chlorotoluene	91	13.506	13.506	(0.938)	406058	20.0000	20.1	
104 1,3,5-Trimethylbenzene	105	13.598	13.598	(0.945)	500458	20.0000	20.9	
102 4-Chlorotoluene	91	13.643	13.643	(0.948)	384237	20.0000	20.6	
105 tert-butylbenzene	91	13.939	13.939	(0.968)	247501	20.0000	19.7	
106 1,2,4-Trimethylbenzene	105	14.006	14.006	(0.973)	476103	20.0000	20.4	
107 sec-Butylbenzene	105	14.170	14.170	(0.985)	526828	20.0000	19.7	
108 1,3-Dichlorobenzene	146	14.318	14.318	(0.995)	221803	20.0000	19.3	
111 p-Isopropyltoluene	119	14.318	14.318	(0.995)	428538	20.0000	19.1	
* 109 1,4-DICHLOROBENZENE-D4	152	14.393	14.393	(1.000)	351927	50.0000		
110 1,4-Dichlorobenzene	146	14.416	14.416	(1.002)	216221	20.0000	18.7	
114 n-Butylbenzene	91	14.714	14.714	(1.022)	358856	20.0000	20.6	
113 1,2-Dichlorobenzene	146	14.772	14.772	(1.026)	230038	20.0000	19.6	
115 1,2-Dibromo-3-Chloropropane	157	15.481	15.481	(1.076)	29896	20.0000	18.8	
116 1,2,4-Trichlorobenzene	180	16.111	16.111	(1.119)	106312	20.0000	19.8	
118 Hexachlorobutadiene	225	16.195	16.195	(1.125)	37861	20.0000	19.0	
117 Naphthalene	128	16.317	16.317	(1.134)	469276	20.0000	20.3	
119 1,2,3-Trichlorobenzene	180	16.513	16.513	(1.147)	116876	20.0000	20.4	

QC Flag Legend

H - Operator selected an alternate compound hit.

168905

Data File: /var/chem/msv9.i/2071229p.s.b/b0011.d

Page 1

Date : 29-DEC-2007 14:04

Client ID: V9STD020

Instrument: msv9.i

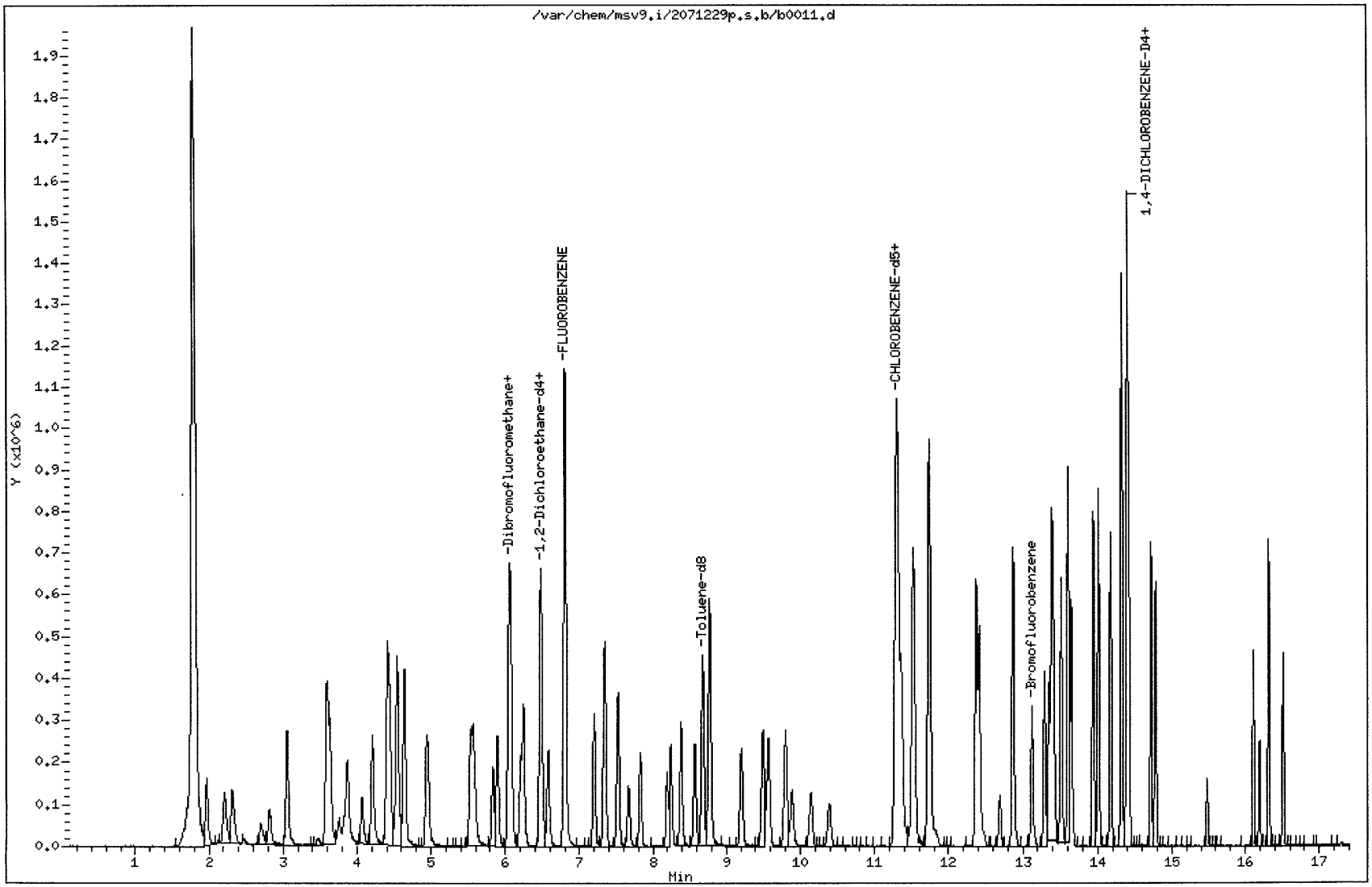
Sample Info: 1202*V9STD020*6-13-9

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-20M

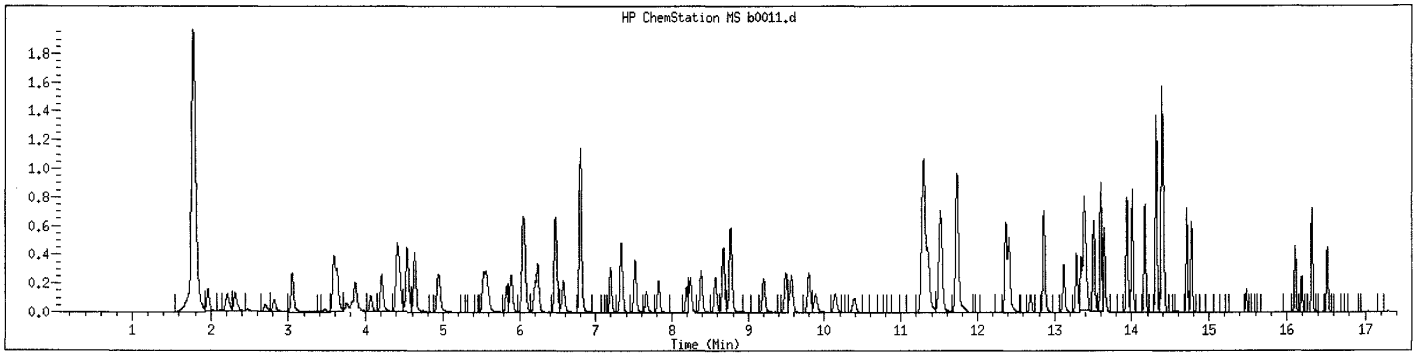
Column diameter: 0.18



Data file : /var/chem/msv9.i/2071229p.s.b/b0011.d
Report Date: 12/29/2007 20:31

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1202	SampleType	: CALIB_2
Injection Date	: 12/29/2007 14:04	Instrument	: msv9.i
Operator	: JCK		
Sample Info	: 1202*V9STD020*6-13-9		
Misc Info	: MSV~12192~*1*JCK		
Method	: /var/chem/msv9.i/2071229p.s.b/8260bw9.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

168907

GCAL, Inc.

Data file : /var/chem/msv9.i/2071229p.s.b/b0012.d
Lab Smp Id: 1203 Client Smp ID: V9STD050
Inj Date : 29-DEC-2007 14:27
Operator : JCK Inst ID: msv9.i
Smp Info : 1203*V9STD050*6-13-9
Misc Info : MSV~12192~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071229p.s.b/8260bw9.m
Meth Date : 29-Dec-2007 20:31 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 14:27 Cal File: b0012.d
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
1	Dichlorodifluoromethane	85	1.967	1.967	(0.289)	556617	50.0000	48.8	
2	Chloromethane ++	50	2.207	2.207	(0.325)	703767	50.0000	48.6	
3	Vinyl Chloride +	62	2.313	2.313	(0.340)	652280	50.0000	50.1	
5	Bromomethane	94	2.695	2.695	(0.396)	153549	50.0000	49.2	
6	Chloroethane	64	2.812	2.812	(0.414)	280908	50.0000	52.2	
9	Trichlorofluoromethane	101	3.049	3.049	(0.449)	821988	50.0000	49.0	
19	1,1,2Trichlotrifluoroethane	101	3.587	3.587	(0.528)	445535	50.0000	51.0	
8	Acrolein	56	3.596	3.596	(0.529)	433384	250.000	238	(A)
13	1,1-Dichloroethene +	96	3.632	3.632	(0.534)	336065	50.0000	50.5	
11	Acetone	43	3.752	3.752	(0.552)	300726	50.0000	46.6	
14	Methyl Iodide	142	3.827	3.827	(0.563)	309996	50.0000	50.1	
21	Carbon Disulfide	76	3.866	3.866	(0.569)	1150585	50.0000	51.6	
20	Methyl Acetate	43	4.064	4.064	(0.598)	554492	50.0000	47.8	9688
18	Methylene Chloride	49	4.204	4.204	(0.618)	624265	50.0000	47.4	

168908

			QUANT SIG					AMOUNTS CAL-AMT	ON-COL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	SIMILARITY
	25	MTBE	73	4.407	4.407	(0.648)	1366846	50.0000	49.5	9307
	22	trans-1,2-Dichloroethene	61	4.441	4.441	(0.653)	586053	50.0000	49.5	
	16	Acrylonitrile	53	4.538	4.538	(0.668)	1361978	250.000	248	(A)
	32	Hexane	57	4.639	4.639	(0.682)	665557	50.0000	51.2	9371
	26	1,1-Dichloroethane ++	63	4.937	4.937	(0.726)	731600	50.0000	47.3	
	29	Vinyl Acetate	43	4.957	4.957	(0.729)	756217	50.0000	53.3	
	38	2,2-Dichloropropane	77	5.537	5.537	(0.815)	459617	50.0000	52.8	
	23	cis-1,2-Dichloroethene	61	5.567	5.567	(0.819)	621696	50.0000	54.2	
	33	2-Butanone	43	5.590	5.590	(0.822)	373322	50.0000	49.2	
	36	Bromochloromethane	128	5.838	5.838	(0.859)	152847	50.0000	49.4	
	37	Chloroform +	83	5.896	5.896	(0.867)	630110	50.0000	44.9	
M	80	Total 1,2-Dichloroethene	61				1207749	100.000	104	
	45	Cyclohexane	56	6.047	6.047	(0.890)	839857	50.0000	56.9	9605
	43	1,1,1-Trichloroethane	97	6.058	6.058	(0.891)	502193	50.0000	51.7	
$	39	Dibromofluoromethane	111	6.080	6.080	(0.895)	309132	50.0000	50.7	9114
	46	Carbon Tetrachloride	117	6.200	6.200	(0.912)	408940	50.0000	53.3	
	44	1,1-Dichloropropene	75	6.239	6.239	(0.918)	514979	50.0000	50.4	
	47	Benzene	78	6.468	6.468	(0.952)	1609304	50.0000	48.4	
$	41	1,2-Dichloroethane-d4	67	6.488	6.488	(0.954)	202124	50.0000	48.7	
	42	1,2-Dichloroethane	62	6.571	6.571	(0.967)	553048	50.0000	47.0	
*	50	FLUOROBENZENE	96	6.797	6.797	(1.000)	1251371	50.0000		
	57	Trichloroethene	130	7.193	7.193	(1.058)	338561	50.0000	50.8	
	61	Methyl Cyclohexane	83	7.338	7.338	(1.080)	656002	50.0000	57.3	9513
	56	1,2-Dichloropropane +	63	7.519	7.519	(1.106)	455866	50.0000	48.9	
	55	Dibromomethane	93	7.664	7.664	(1.128)	204900	50.0000	51.3	
	58	Bromodichloromethane	83	7.823	7.823	(1.151)	489099	50.0000	51.8	
	62	2-Chloroethyl vinyl ether	63	8.189	8.189	(1.205)	208054	50.0000	50.5	
	60	1-Bromo-2-chloroethane	144	8.242	8.242	(1.213)	65392	50.0000	51.8	9523
	63	cis-1,3-Dichloropropene	75	8.381	8.381	(1.233)	567209	50.0000	57.6	
	65	4-methyl-2-pentanone	43	8.568	8.568	(1.261)	738755	50.0000	50.9	
$	68	Toluene-d8	98	8.671	8.671	(0.768)	1202152	50.0000	51.3	
	70	Toluene +	91	8.766	8.766	(0.776)	1705223	50.0000	50.9	
	66	trans-1,3-Dichloropropene	75	9.201	9.201	(1.354)	512854	50.0000	58.0	
M	87	1-3 Dichloropropene total	100				1080063	100.000	116	0
	67	1,1,2-Trichloroethane	97	9.491	9.491	(0.840)	374744	50.0000	48.1	
	78	Tetrachloroethene	164	9.566	9.566	(0.847)	250739	50.0000	50.7	
	71	1,3-Dichloropropane	76	9.795	9.795	(0.867)	653076	50.0000	49.7	
	73	2-Hexanone	43	9.881	9.881	(0.875)	489530	50.0000	55.0	
	72	Dibromochloromethane	129	10.138	10.138	(0.898)	340773	50.0000	53.9	
	74	1,2-Dibromoethane(EDB)	107	10.392	10.392	(0.920)	337820	50.0000	52.7	
	86	1-Chlorohexane	91	11.278	11.278	(1.659)	458300	50.0000	48.9	7473
*	83	CHLOROBENZENE-d5	82	11.295	11.295	(1.000)	572270	50.0000		
	85	Chlorobenzene ++	112	11.354	11.354	(1.005)	1021512	50.0000	49.4	
	88	Ethylbenzene +	106	11.513	11.513	(1.019)	604908	50.0000	55.9	
	82	1,1,1,2-Tetrachloroethane	133	11.521	11.521	(1.020)	329519	50.0000	53.1	
	89	p,m-Xylene	106	11.733	11.733	(1.039)	1465652	100.000	99.4	
	93	o-Xylene	106	12.369	12.369	(1.095)	721665	50.0000	50.1	

168909

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
M 120 TOTAL XYLENE	106				2187317	150.000	149	
91 Styrene	104	12.408	12.408	(1.099)	1089995	50.0000	48.6	
90 Bromoform ++	173	12.692	12.692	(1.124)	209124	50.0000	56.8	
96 Isopropylbenzene	105	12.862	12.862	(1.139)	1737767	50.0000	51.2	
$ 97 Bromofluorobenzene	174	13.122	13.122	(1.162)	300487	50.0000	54.6	
98 Bromobenzene	77	13.286	13.286	(0.923)	674352	50.0000	53.3	
92 1,1,2,2-Tetrachloroethane++	83	13.345	13.345	(0.927)	585855	50.0000	53.5	
100 n-Propylbenzene	91	13.381	13.381	(0.930)	1927902	50.0000	52.2	
94 1,2,3-Trichloropropane	75	13.401	13.401	(0.931)	626799	50.0000	48.5	
95 trans-1,4-Dichloro-2-Butene	53	13.428	13.428	(0.933)	105266	50.0000	51.1	
101 2-Chlorotoluene	91	13.504	13.504	(0.938)	1208924	50.0000	51.1	
104 1,3,5-Trimethylbenzene	105	13.599	13.599	(0.945)	1471839	50.0000	52.8	
102 4-Chlorotoluene	91	13.643	13.643	(0.948)	1150283	50.0000	52.7	
105 tert-butylbenzene	91	13.939	13.939	(0.969)	774568	50.0000	52.2	
106 1,2,4-Trimethylbenzene	105	14.008	14.008	(0.973)	1427823	50.0000	52.3	
107 sec-Butylbenzene	105	14.167	14.167	(0.984)	1638722	50.0000	52.0	
108 1,3-Dichlorobenzene	146	14.315	14.315	(0.995)	681762	50.0000	50.7	
111 p-Isopropyltoluene	119	14.321	14.321	(0.995)	1369335	50.0000	51.1	
* 109 1,4-DICHLOROBENZENE-D4	152	14.391	14.391	(1.000)	411997	50.0000		
110 1,4-Dichlorobenzene	146	14.413	14.413	(1.002)	633300	50.0000	46.8	
114 n-Butylbenzene	91	14.714	14.714	(1.022)	1081600	50.0000	53.1	
113 1,2-Dichlorobenzene	146	14.773	14.773	(1.027)	687827	50.0000	50.2	
115 1,2-Dibromo-3-Chloropropane	157	15.484	15.484	(1.076)	95719	50.0000	49.7	
116 1,2,4-Trichlorobenzene	180	16.111	16.111	(1.120)	334073	50.0000	53.0	
118 Hexachlorobutadiene	225	16.192	16.192	(1.125)	110789	50.0000	47.4	
117 Naphthalene	128	16.317	16.317	(1.134)	1334603	50.0000	49.2	
119 1,2,3-Trichlorobenzene	180	16.515	16.515	(1.148)	335022	50.0000	50.1	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

168910

Data File: /var/chem/msv9.i/2071229p.s.b/b0012.d

Page 1

Date : 29-DEC-2007 14:27

Client ID: V9STD050

Instrument: msv9.i

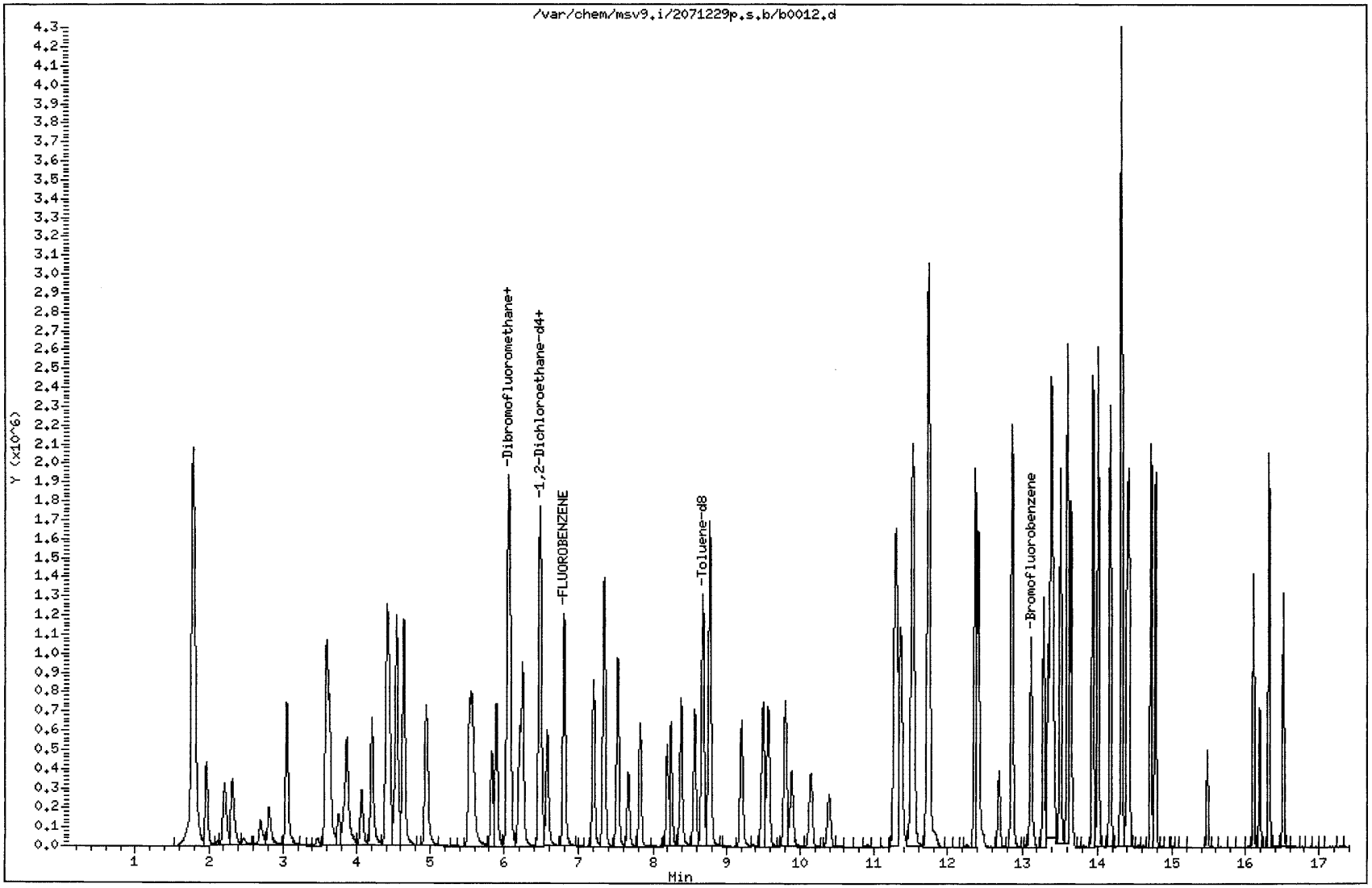
Sample Info: 1203*V9STD050*6-13-9

Purge Volume: 5.0

Operator: JCK

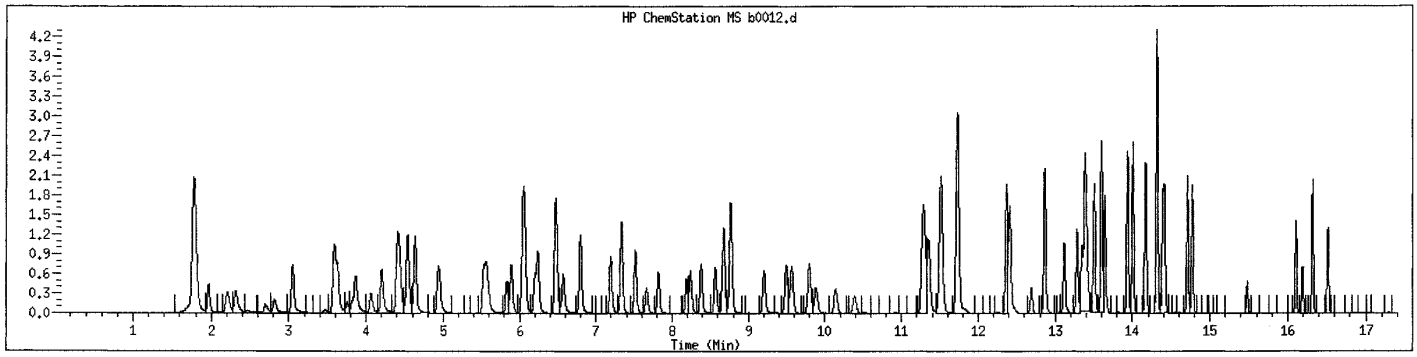
Column phase: DB-VRX-20M

Column diameter: 0.18



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/29/2007 14:27	Instrument	: msv9.i
Operator	: JCK		
Sample Info	: 1203*V9STD050*6-13-9		
Misc Info	: MSV~12192~*1*JCK		
Method	: /var/chem/msv9.i/2071229p.s.b/8260bw9.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

168912

GCAL, Inc.

Data file : /var/chem/msv9.i/2071229p.s.b/b0013.d
Lab Smp Id: 1204 Client Smp ID: V9STD100
Inj Date : 29-DEC-2007 14:50
Operator : JCK Inst ID: msv9.i
Smp Info : 1204*V9STD100*6-13-9
Misc Info : MSV~12192~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071229p.s.b/8260bw9.m
Meth Date : 29-Dec-2007 20:31 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 14:50 Cal File: b0013.d
Als bottle: 8 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.964	1.964	(1.000)	1146183	100.000	93.7	
2 Chloromethane ++	50	2.218	2.218	(1.000)	1483592	100.000	95.6	
3 Vinyl Chloride +	62	2.313	2.313	(1.000)	1360143	100.000	97.5	
5 Bromomethane	94	2.695	2.695	(1.000)	332640	100.000	101	
6 Chloroethane	64	2.809	2.809	(1.000)	481964	100.000	99.3	
9 Trichlorofluoromethane	101	3.046	3.046	(1.000)	1707564	100.000	95.1	
19 1,1,2Trichlotrifluoroethane	101	3.587	3.587	(1.000)	887289	100.000	94.7	
8 Acrolein	56	3.596	3.596	(1.000)	880469	500.000	452	(A)
13 1,1-Dichloroethene +	96	3.632	3.632	(1.000)	695172	100.000	97.5	
11 Acetone	43	3.757	3.757	(1.000)	637299	100.000	92.1	
14 Methyl Iodide	142	3.821	3.821	(1.000)	693093	100.000	105	
21 Carbon Disulfide	76	3.866	3.866	(1.000)	2365378	100.000	99.4	
20 Methyl Acetate	43	4.064	4.064	(1.000)	1161277	100.000	93.4	9557
18 Methylene Chloride	49	4.204	4.204	(1.000)	1280650	100.000	90.7	

168913

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	25	MTBE	73	4.410	4.410	(1.000)	2804468	100.000	94.7	9238
	22	trans-1,2-Dichloroethene	61	4.443	4.443	(1.000)	1220616	100.000	96.3	
	16	Acrylonitrile	53	4.538	4.538	(1.000)	2942256	500.000	500	(A)
	32	Hexane	57	4.636	4.636	(1.000)	1441961	100.000	104	9342
	26	1,1-Dichloroethane ++	63	4.937	4.937	(1.000)	1567191	100.000	94.5	
	29	Vinyl Acetate	43	4.962	4.962	(1.000)	1633631	100.000	107	(M3)
	38	2,2-Dichloropropane	77	5.531	5.531	(1.000)	997407	100.000	107	
	23	cis-1,2-Dichloroethene	61	5.567	5.567	(1.000)	1366334	100.000	111	
	33	2-Butanone	43	5.589	5.589	(1.000)	821569	100.000	101	
	36	Bromochloromethane	128	5.838	5.838	(1.000)	339553	100.000	102	
	37	Chloroform +	83	5.893	5.893	(1.000)	1345546	100.000	89.5	
M	80	Total 1,2-Dichloroethene	61				2586950	200.000	207	
	45	Cyclohexane	56	6.044	6.044	(1.000)	1851733	100.000	117	9621
	43	1,1,1-Trichloroethane	97	6.061	6.061	(1.000)	1126798	100.000	108	
$	39	Dibromofluoromethane	111	6.077	6.077	(1.000)	679187	100.000	104	8905
	46	Carbon Tetrachloride	117	6.206	6.206	(1.000)	897618	100.000	109	
	44	1,1-Dichloropropene	75	6.242	6.242	(1.000)	1114727	100.000	102	
	47	Benzene	78	6.471	6.471	(1.000)	3411253	100.000	95.7	
$	41	1,2-Dichloroethane-d4	67	6.485	6.485	(1.000)	435765	100.000	98.0	
	42	1,2-Dichloroethane	62	6.574	6.574	(1.000)	1200973	100.000	95.3	
*	50	FLUOROBENZENE	96	6.797	6.797	(1.000)	1341135	50.0000		(M1)
	57	Trichloroethene	130	7.199	7.199	(1.000)	751243	100.000	105	
	61	Methyl Cyclohexane	83	7.332	7.332	(1.000)	1409489	100.000	115	9568
	56	1,2-Dichloropropane +	63	7.519	7.519	(1.000)	984192	100.000	98.6	
	55	Dibromomethane	93	7.667	7.667	(1.000)	446663	100.000	104	
	58	Bromodichloromethane	83	7.826	7.826	(1.000)	1072118	100.000	106	
	62	2-Chloroethyl vinyl ether	63	8.188	8.188	(1.000)	453199	100.000	100	
	60	1-Bromo-2-chloroethane	144	8.244	8.244	(1.000)	138415	100.000	102	9569
	63	cis-1,3-Dichloropropene	75	8.381	8.381	(1.000)	1162900	100.000	110	
	65	4-methyl-2-pentanone	43	8.568	8.568	(1.000)	1566233	100.000	99.8	
$	68	Toluene-d8	98	8.676	8.676	(0.768)	2588962	100.000	98.5	
	70	Toluene +	91	8.768	8.768	(0.776)	3686109	100.000	98.3	
	66	trans-1,3-Dichloropropene	75	9.204	9.204	(1.000)	1047148	100.000	110	
M	87	1-3 Dichloropropene total	100				2210048	200.000	221	0
	67	1,1,2-Trichloroethane	97	9.496	9.496	(0.841)	823882	100.000	94.4	
	78	Tetrachloroethene	164	9.566	9.566	(0.847)	553796	100.000	99.9	
	71	1,3-Dichloropropane	76	9.798	9.798	(0.867)	1395355	100.000	94.8	
	73	2-Hexanone	43	9.881	9.881	(0.875)	1107441	100.000	111	
	72	Dibromochloromethane	129	10.141	10.141	(0.898)	780102	100.000	110	
	74	1,2-Dibromoethane(EDB)	107	10.389	10.389	(0.920)	702970	100.000	97.8	
	86	1-Chlorohexane	91	11.275	11.275	(1.000)	1037090	100.000	101	7331
*	83	CHLOROBENZENE-d5	82	11.298	11.298	(1.000)	641292	50.0000		
	85	Chlorobenzene ++	112	11.356	11.356	(1.005)	2246503	100.000	97.0	
	88	Ethylbenzene +	106	11.510	11.510	(1.019)	1393851	100.000	115	
	82	1,1,1,2-Tetrachloroethane	133	11.532	11.532	(1.021)	755579	100.000	109	
	89	p,m-Xylene	106	11.733	11.733	(1.038)	3353796	200.000	201	(A)
	93	o-Xylene	106	12.369	12.369	(1.095)	1636527	100.000	100	

168914

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
M 120 TOTAL XYLENE	106				4990323	300.000	301	
91 Styrene	104	12.410	12.410	(1.098)	2577432	100.000	101	
90 Bromoform ++	173	12.695	12.695	(1.124)	497091	100.000	121	
96 Isopropylbenzene	105	12.865	12.865	(1.139)	3823209	100.000	99.7	
$ 97 Bromofluorobenzene	174	13.119	13.119	(1.161)	688152	100.000	112	
98 Bromobenzene	77	13.283	13.283	(0.923)	1553737	100.000	102	
92 1,1,2,2-Tetrachloroethane++	83	13.347	13.347	(0.928)	1274906	100.000	97.6	
100 n-Propylbenzene	91	13.381	13.381	(0.930)	4408497	100.000	99.0	
94 1,2,3-Trichloropropane	75	13.400	13.400	(0.931)	1441473	100.000	92.7	
95 trans-1,4-Dichloro-2-Butene	53	13.431	13.431	(0.933)	253973	100.000	102	
101 2-Chlorotoluene	91	13.506	13.506	(0.939)	2709350	100.000	95.1	
104 1,3,5-Trimethylbenzene	105	13.598	13.598	(0.945)	3291251	100.000	98.3	
102 4-Chlorotoluene	91	13.643	13.643	(0.948)	2701590	100.000	103	
105 tert-butylbenzene	91	13.939	13.939	(0.969)	1771338	100.000	99.0	
106 1,2,4-Trimethylbenzene	105	14.006	14.006	(0.973)	3241425	100.000	98.7	
107 sec-Butylbenzene	105	14.170	14.170	(0.985)	3765187	100.000	99.1	
108 1,3-Dichlorobenzene	146	14.315	14.315	(0.995)	1646204	100.000	102	
111 p-Isopropyltoluene	119	14.318	14.318	(0.995)	3232444	100.000	99.7	
* 109 1,4-DICHLOROBENZENE-D4	152	14.390	14.390	(1.000)	495935	50.0000		
110 1,4-Dichlorobenzene	146	14.415	14.415	(1.002)	1512300	100.000	92.8	
114 n-Butylbenzene	91	14.711	14.711	(1.022)	2582806	100.000	105	
113 1,2-Dichlorobenzene	146	14.772	14.772	(1.027)	1615781	100.000	97.9	
115 1,2-Dibromo-3-Chloropropane	157	15.481	15.481	(1.076)	234854	100.000	100	
116 1,2,4-Trichlorobenzene	180	16.108	16.108	(1.119)	799796	100.000	105	
118 Hexachlorobutadiene	225	16.195	16.195	(1.125)	263455	100.000	93.7	
117 Naphthalene	128	16.317	16.317	(1.134)	2914403	100.000	89.3	
119 1,2,3-Trichlorobenzene	180	16.515	16.515	(1.148)	807167	100.000	100	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M1- Compound response manually integrated because Target system did not integrate.
M3- Compound response manually integrated because Target system integrated incorrect peak.

168915

Data File: /var/chem/msv9.i/2071229p.s.b/b0013.d

Page 1

Date : 29-DEC-2007 14:50

Client ID: V9STD100

Instrument: msv9.i

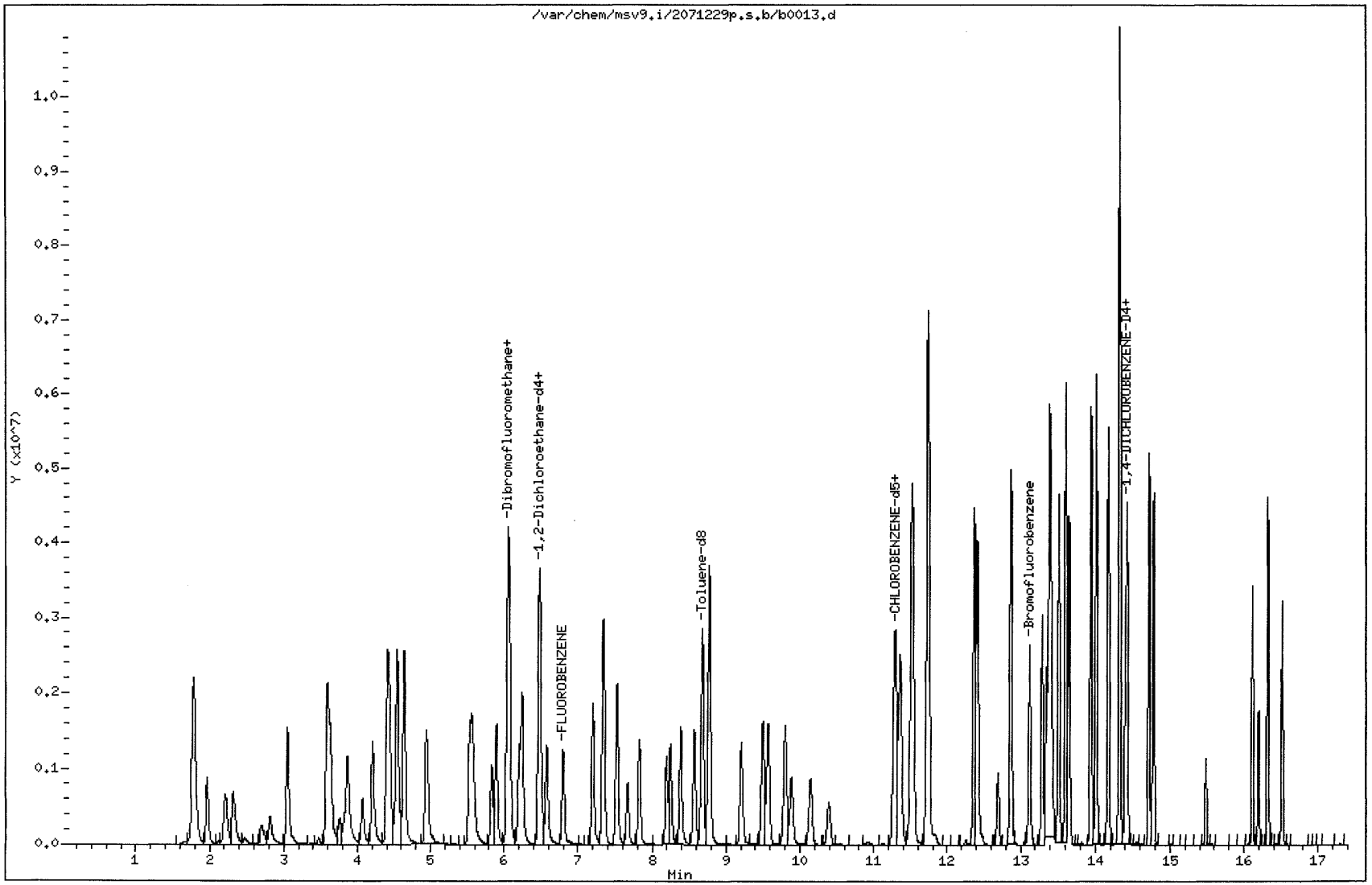
Sample Info: 1204*V9STD100*6-13-9

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-20M

Column diameter: 0.18



GCAL, Inc.

Data file : /var/chem/msv9.i/2071229p.s.b/b0015.d
Lab Smp Id: 1207 Client Smp ID: V9STD0.40
Inj Date : 29-DEC-2007 15:53
Operator : JCK Inst ID: msv9.i
Smp Info : 1207*V9STD0.40*6-13-9
Misc Info : MSV~12192~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071229p.s.b/8260bw9.m
Meth Date : 29-Dec-2007 20:30 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 15:53 Cal File: b0015.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.975	1.975	(0.291)	5452	0.40000	0.501	(aM1)
2 Chloromethane ++	50	2.226	2.226	(0.328)	10153	0.40000	0.735	(a)
3 Vinyl Chloride +	62	2.321	2.321	(0.342)	7470	0.40000	0.602	(a)
5 Bromomethane	94	2.723	2.723	(0.401)	8078	0.40000	1.66	
6 Chloroethane	64	2.812	2.812	(0.414)	3206	0.40000	0.898	(aM1)
9 Trichlorofluoromethane	101	3.063	3.063	(0.451)	7936	0.40000	0.496	(a)
19 1,1,2Trichlotrifluoroethane	101	3.587	3.587	(0.528)	5057	0.40000	0.606	(a)
13 1,1-Dichloroethene +	96	3.643	3.643	(0.536)	4465	0.40000	0.704	(aM2)
11 Acetone	43	3.766	3.766	(0.554)	6354	0.40000	1.03	
14 Methyl Iodide	142	3.827	3.827	(0.563)	9062	0.40000	1.54	
21 Carbon Disulfide	76	3.872	3.872	(0.570)	32278	0.40000	1.10	
20 Methyl Acetate	43	4.081	4.081	(0.600)	6511	0.40000	0.589	0(aM1)
18 Methylene Chloride	49	4.204	4.204	(0.618)	7984	0.40000	0.635	(a)
25 MTBE	73	4.407	4.407	(0.648)	12317	0.40000	0.467	7141(a)

168917

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	22	trans-1,2-Dichloroethene	61	4.452	4.452	(0.655)	7534	0.40000	0.668	(a)
	16	Acrylonitrile	53	4.538	4.538	(0.668)	5524	2.00000	1.06	
	32	Hexane	57	4.639	4.639	(0.682)	7844	0.40000	0.633	0(aM1)
	26	1,1-Dichloroethane ++	63	4.943	4.943	(0.727)	7699	0.40000	0.522	(aM1)
	38	2,2-Dichloropropane	77	5.531	5.531	(0.814)	3274	0.40000	0.394	(aM1)
	23	cis-1,2-Dichloroethene	61	5.570	5.570	(0.819)	5960	0.40000	0.545	(a)
	33	2-Butanone	43	5.601	5.601	(0.824)	5451	0.40000	0.753	(a)
	36	Bromochloromethane	128	5.838	5.838	(0.859)	1546	0.40000	0.524	(a)
	37	Chloroform +	83	5.902	5.902	(0.868)	14363	0.40000	1.07	
M	80	Total 1,2-Dichloroethene	61				13494	0.80000	1.21	
	45	Cyclohexane	56	6.039	6.039	(0.888)	5309	0.40000	0.377	7250(a)
	43	1,1,1-Trichloroethane	97	6.061	6.061	(0.892)	3841	0.40000	0.415	(a)
$	39	Dibromofluoromethane	111	6.089	6.089	(0.896)	3526	0.40000	0.606	6941(a)
	46	Carbon Tetrachloride	117	6.206	6.206	(0.913)	3276	0.40000	0.448	(a)
	44	1,1-Dichloropropene	75	6.242	6.242	(0.918)	4000	0.40000	0.411	(a)
	47	Benzene	78	6.465	6.465	(0.951)	16177	0.40000	0.510	(a)
$	41	1,2-Dichloroethane-d4	67	6.482	6.482	(0.954)	2119	0.40000	0.535	(a)
	42	1,2-Dichloroethane	62	6.571	6.571	(0.967)	5673	0.40000	0.506	(aM3)
*	50	FLUOROBENZENE	96	6.797	6.797	(1.000)	1193455	50.0000		
	57	Trichloroethene	130	7.199	7.199	(1.059)	3894	0.40000	0.613	(aM1)
	61	Methyl Cyclohexane	83	7.341	7.341	(1.080)	4506	0.40000	0.413	7657(a)
	56	1,2-Dichloropropane +	63	7.514	7.514	(1.105)	3528	0.40000	0.397	(aM1)
	55	Dibromomethane	93	7.662	7.662	(1.127)	2244	0.40000	0.589	(a)
	58	Bromodichloromethane	83	7.820	7.820	(1.151)	4233	0.40000	0.470	(a)
	60	1-Bromo-2-chloroethane	144	8.236	8.236	(1.212)	203	0.40000	0.169	7406(a)
	63	cis-1,3-Dichloropropene	75	8.384	8.384	(1.233)	3387	0.40000	0.361	(a)
	65	4-methyl-2-pentanone	43	8.576	8.576	(1.262)	4146	0.40000	1.09	(M1)
$	68	Toluene-d8	98	8.679	8.679	(0.768)	10450	0.40000	0.543	(a)
	70	Toluene +	91	8.777	8.777	(0.777)	11708	0.40000	0.426	(aM1)
	66	trans-1,3-Dichloropropene	75	9.206	9.206	(1.354)	3510	0.40000	0.416	(a)
M	87	1-3 Dichloropropene total	100				6897	0.80000	0.777	0(a)
	67	1,1,2-Trichloroethane	97	9.505	9.505	(0.841)	2739	0.40000	0.428	(a)
	78	Tetrachloroethene	164	9.566	9.566	(0.847)	2421	0.40000	0.596	(a)
	71	1,3-Dichloropropane	76	9.795	9.795	(0.867)	4678	0.40000	0.434	(a)
	73	2-Hexanone	43	9.887	9.887	(0.875)	2202	0.40000	0.301	(aM1)
	72	Dibromochloromethane	129	10.146	10.146	(0.898)	913	0.40000	0.176	(aM1)
	74	1,2-Dibromoethane(EDB)	107	10.400	10.400	(0.920)	1488	0.40000	0.283	(a)
	86	1-Chlorohexane	91	11.292	11.292	(1.661)	3758	0.40000	2.55	4046(H)
*	83	CHLOROBENZENE-d5	82	11.301	11.301	(1.000)	469679	50.0000		
	85	Chlorobenzene ++	112	11.359	11.359	(1.005)	12117	0.40000	0.714	(a)
	88	Ethylbenzene +	106	11.513	11.513	(1.019)	3832	0.40000	0.432	(a)
	82	1,1,1,2-Tetrachloroethane	133	11.557	11.557	(1.023)	1838	0.40000	0.361	(aM1)
	89	p,m-Xylene	106	11.736	11.736	(1.038)	9302	0.80000	2.57	
	93	o-Xylene	106	12.380	12.380	(1.095)	2619	0.40000	1.30	
M	120	TOTAL XYLENE	106				11921	1.20000	3.88	
	91	Styrene	104	12.416	12.416	(1.099)	6981	0.40000	1.70	
	90	Bromoform ++	173	12.689	12.689	(1.123)	808	0.40000	0.267	(aM1)

168918

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
96 Isopropylbenzene	105	12.868	12.868	(1.139)	7445	0.40000	1.12	(M1)
$ 97 Bromofluorobenzene	174	13.119	13.119	(1.161)	6007	0.40000	1.33	
98 Bromobenzene	77	13.289	13.289	(0.923)	7657	0.40000	0.783	(a)
92 1,1,2,2-Tetrachloroethane++	83	13.348	13.348	(0.928)	4669	0.40000		(aM1)
100 n-Propylbenzene	91	13.384	13.384	(0.930)	14223	0.40000	0.735	(a)
94 1,2,3-Trichloropropane	75	13.398	13.398	(0.931)	5058	0.40000	0.507	(a)
95 trans-1,4-Dichloro-2-Butene	53	13.423	13.423	(0.933)	477	0.40000	0.300	(aM1)
101 2-Chlorotoluene	91	13.512	13.512	(0.939)	8956	0.40000	0.490	(a)
104 1,3,5-Trimethylbenzene	105	13.601	13.601	(0.945)	7443	0.40000	0.110	(a)
102 4-Chlorotoluene	91	13.643	13.643	(0.948)	12714	0.40000	0.755	(aM1)
105 tert-butylbenzene	91	13.933	13.933	(0.968)	3491	0.40000	0.631	(a)
106 1,2,4-Trimethylbenzene	105	14.006	14.006	(0.973)	7377	0.40000	0.271	(a)
107 sec-Butylbenzene	105	14.167	14.167	(0.984)	11233	0.40000	0.663	(a)
108 1,3-Dichlorobenzene	146	14.324	14.324	(0.995)	10834	0.40000	1.04	
111 p-Isopropyltoluene	119	14.321	14.321	(0.995)	8429	0.40000	0.996	(a)
* 109 1,4-DICHLOROBENZENE-D4	152	14.390	14.390	(1.000)	318264	50.0000		
110 1,4-Dichlorobenzene	146	14.424	14.424	(1.002)	19272	0.40000	1.84	
114 n-Butylbenzene	91	14.714	14.714	(1.022)	20132	0.40000	1.28	
113 1,2-Dichlorobenzene	146	14.775	14.775	(1.027)	8688	0.40000	0.821	(a)
115 1,2-Dibromo-3-Chloropropane	157	15.495	15.495	(1.077)	491	0.40000	1.25	(M1)
116 1,2,4-Trichlorobenzene	180	16.111	16.111	(1.120)	8546	0.40000	1.76	
118 Hexachlorobutadiene	225	16.192	16.192	(1.125)	2702	0.40000	1.50	
117 Naphthalene	128	16.317	16.317	(1.134)	48305	0.40000	2.31	
119 1,2,3-Trichlorobenzene	180	16.518	16.518	(1.148)	8995	0.40000	1.74	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M1- Compound response manually integrated because
Target system did not integrate.
M2- Compound response manually integrated because
Target system integrated incorrectly.
M3- Compound response manually integrated because
Target system integrated incorrect peak.
H - Operator selected an alternate compound hit.

168919

Data File: /var/chem/msv9.i/2071229p.s.b/b0015.d

Page 1

Date : 29-DEC-2007 15:53

Client ID: V9STD0.40

Instrument: msv9.i

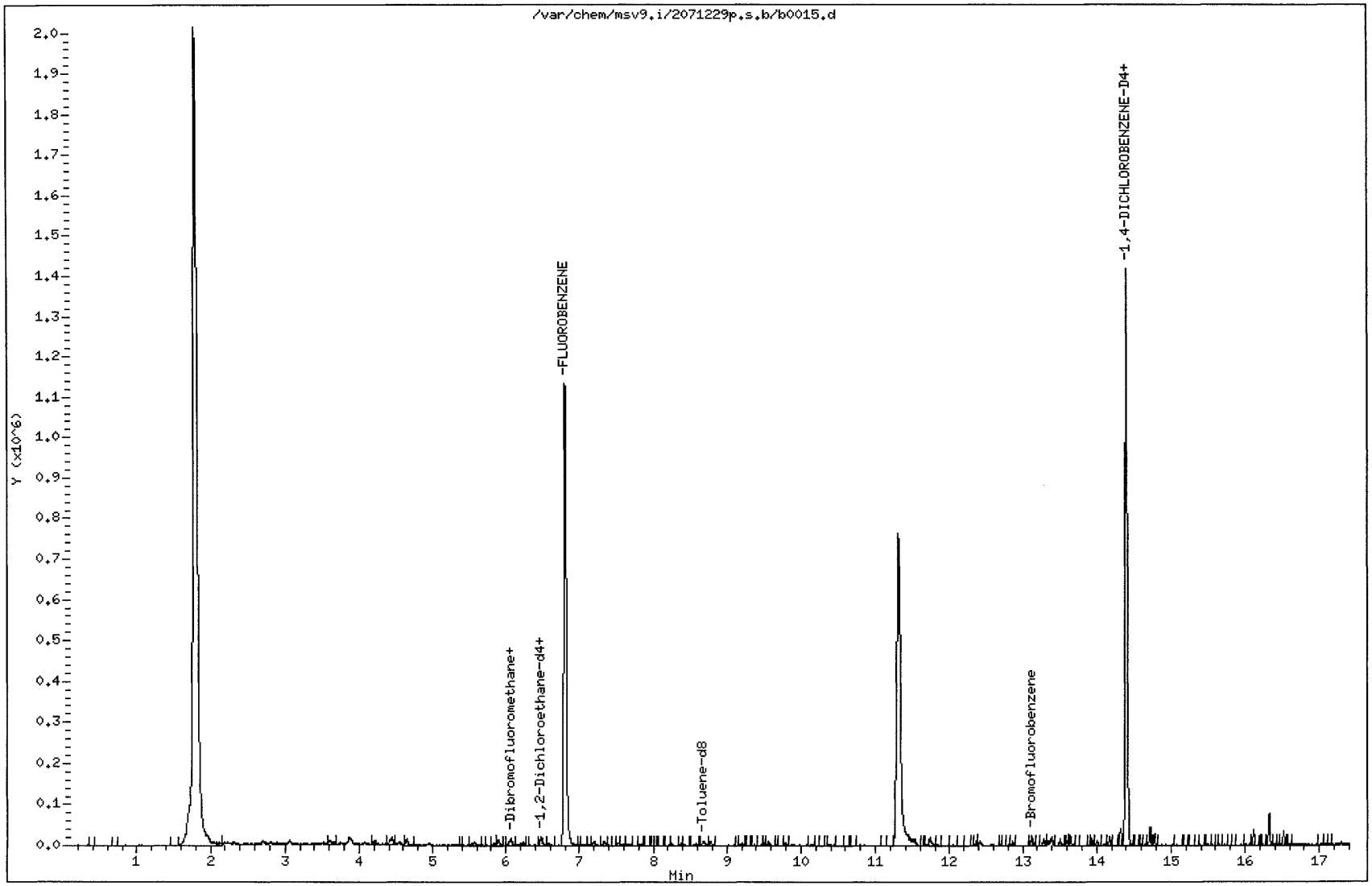
Sample Info: 1207*V9STD0.40*6-13-9

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-20M

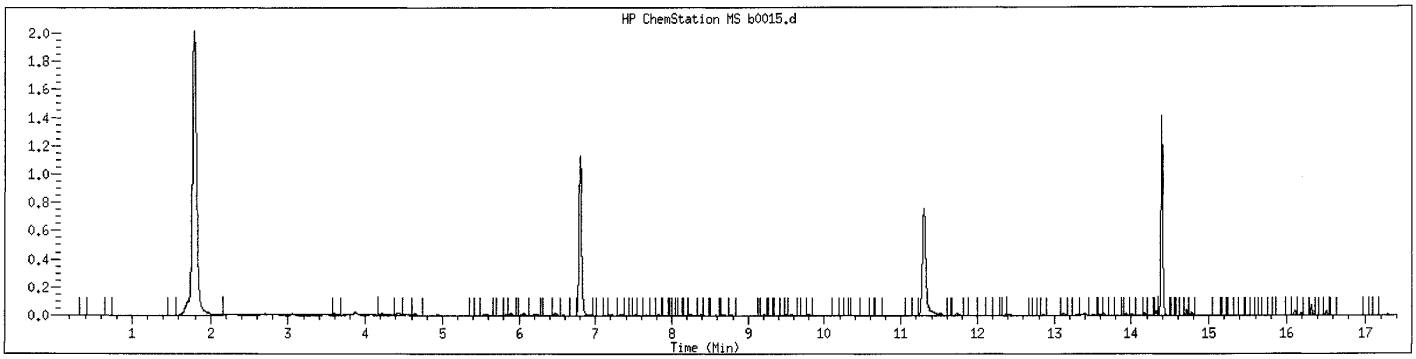
Column diameter: 0.18



Data file : /var/chem/msv9.i/2071229p.s.b/b0015.d
Report Date: 12/29/2007 20:30

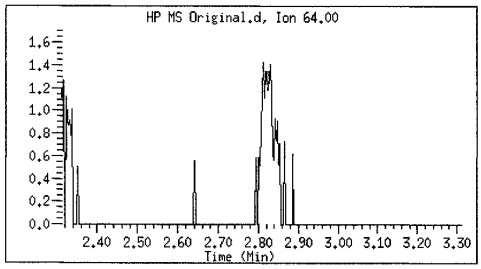
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1207	SampleType	: CALIB_7
Injection Date	: 12/29/2007 15:53	Instrument	: msv9.i
Operator	: JCK		
Sample Info	: 1207*V9STD0.40*6-13-9		
Misc Info	: MSV~12192~*1*JCK		
Method	: /var/chem/msv9.i/2071229p.s.b/8260bw9.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist:	8260b



Original Final

6 Chloroethane CAS#: 75-00-3 Reason: M1



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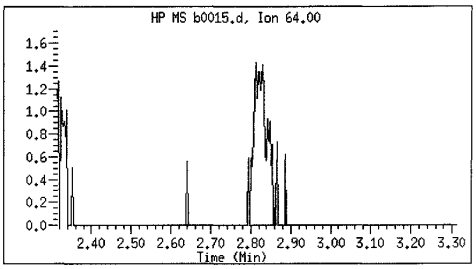
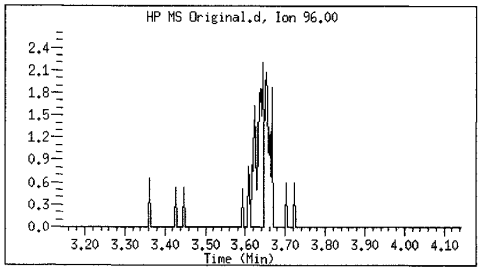
User: jck
Date: 12/29/2007 15:59



13 1,1-Dichloroethene + CAS#: 75-35-4 Reason: M2



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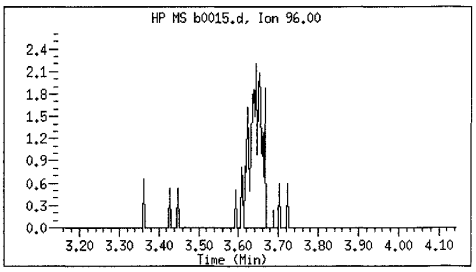
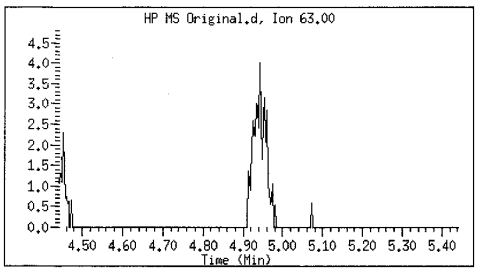
User: jck
Date: 12/29/2007 15:53



168921

Original Final

26 1,1-Dichloroethane ++ CAS#: 75-34-3 Reason: M1



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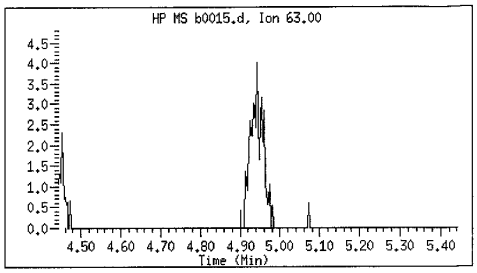
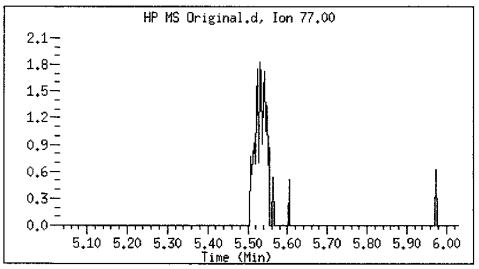
Date: 12/29/2007 15:54



38 2,2-Dichloropropane CAS#: 594-20-7 Reason: M1



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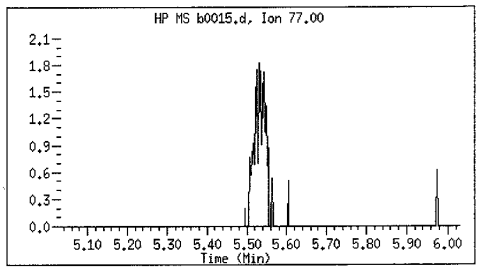
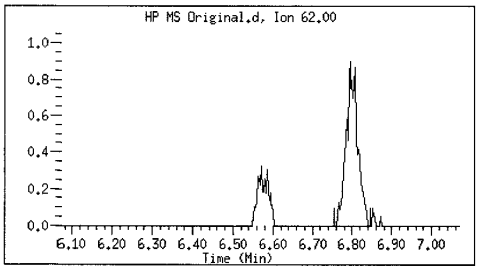


42 1,2-Dichloroethane CAS#: 107-06-2 Reason: M3



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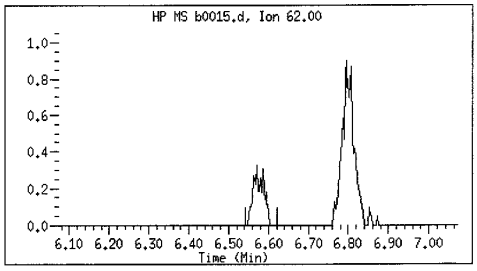
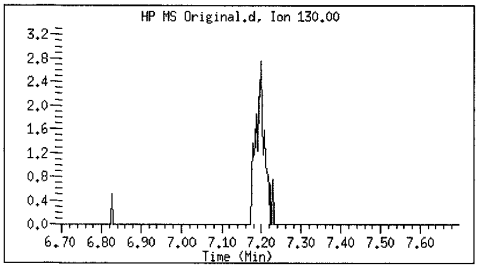


57 Trichloroethene CAS#: 79-01-6 Reason: M1



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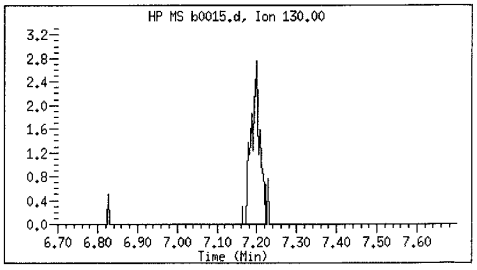
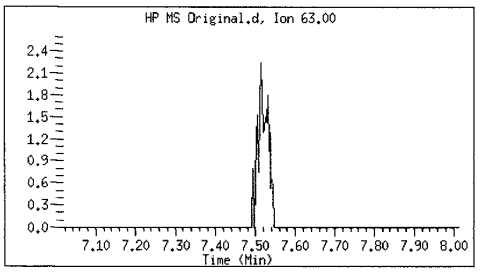
Date: 12/29/2007 15:55



56 1,2-Dichloropropane + CAS#: 78-87-5 Reason: M1



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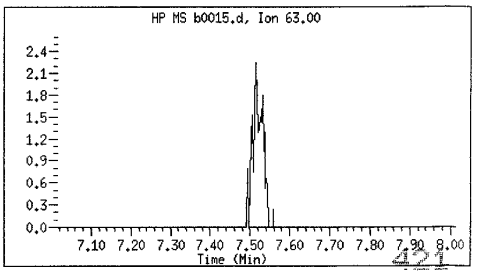
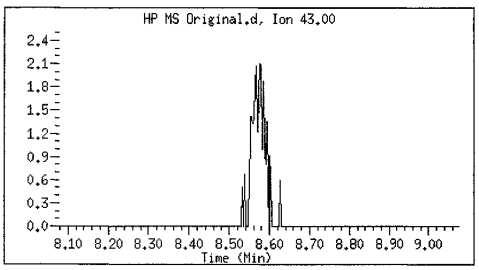
User: jck
Date: 12/29/2007 15:55



Original Final

65 4-methyl-2-pentanone CAS#: 108-10-1 Reason: M1



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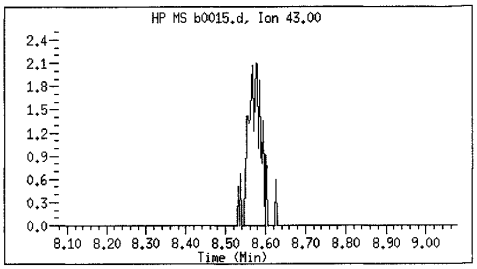
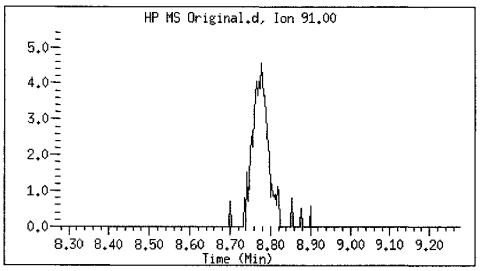
Date: 12/29/2007 15:55



70 Toluene + CAS#: 108-88-3 Reason: M1



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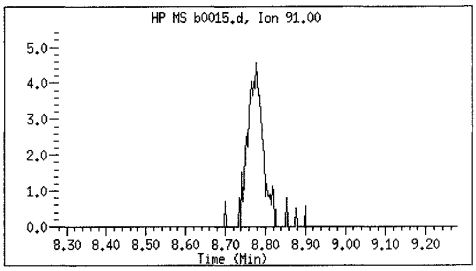
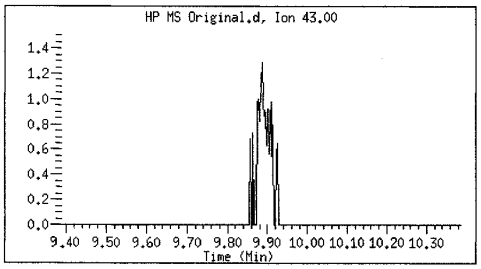


73 2-Hexanone CAS#: 591-78-6 Reason: M1



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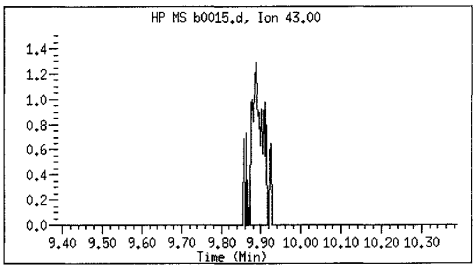
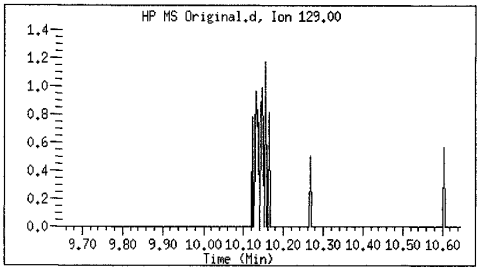


72 Dibromochloromethane CAS#: 124-48-1 Reason: M1



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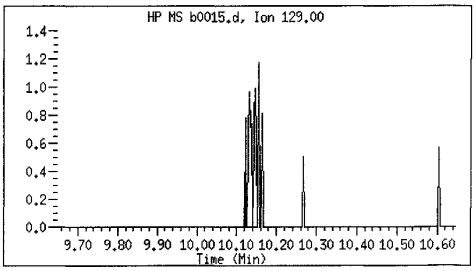
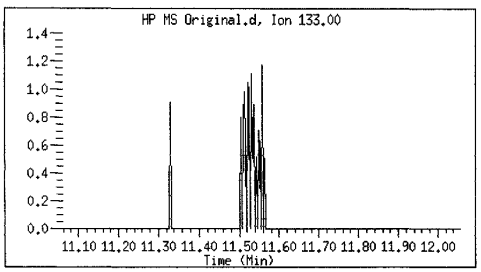


82 1,1,1,2-Tetrachloroethane CAS#: 630-20-6 Reason: M1



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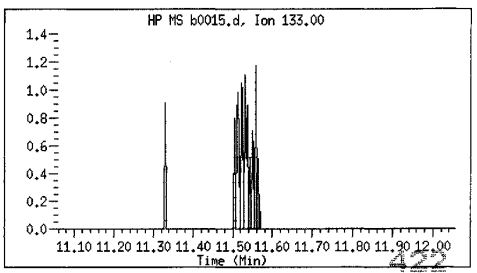
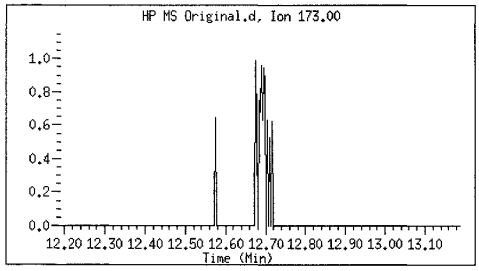


Original Final

90 Bromoform ++ CAS#: 75-25-2 Reason: M1



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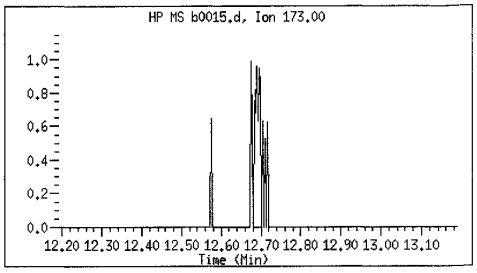
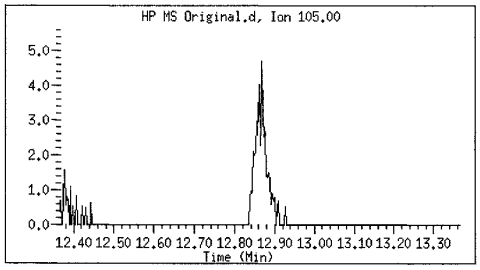


96 Isopropylbenzene CAS#: 98-82-8 Reason: M1



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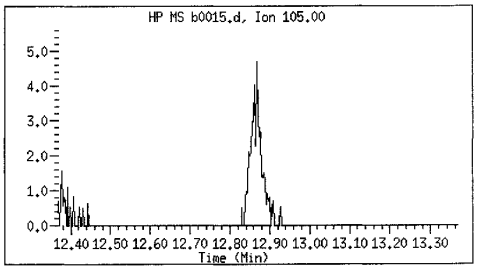
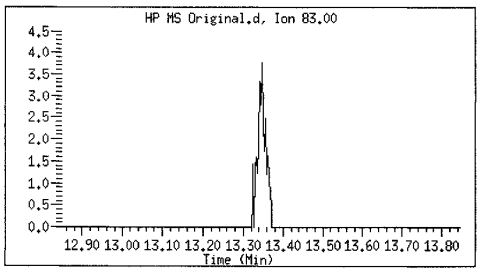


92 1,1,2,2-Tetrachloroethane++ CAS#: 79-34-5 Reason: M1



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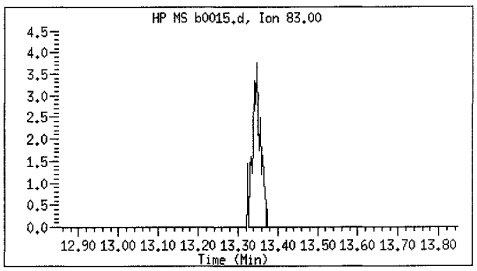
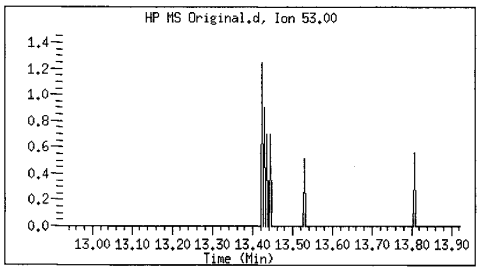


95 trans-1,4-Dichloro-2-Butene CAS#: 110-57-6 Reason: M1



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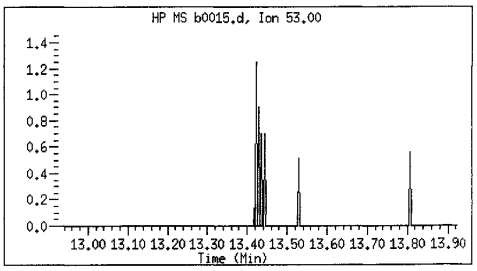
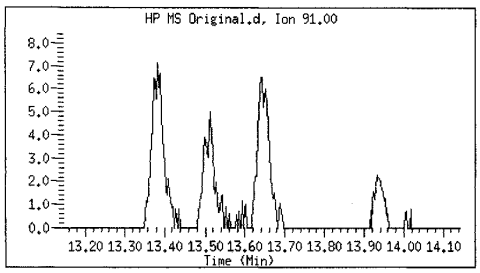


102 4-Chlorotoluene CAS#: 106-43-4 Reason: M1



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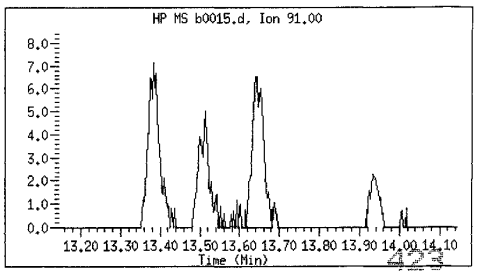
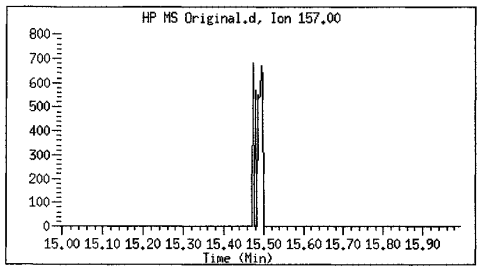


Original Final

115 1,2-Dibromo-3-Chloropropane CAS#: 96-12-8 Reason: M1



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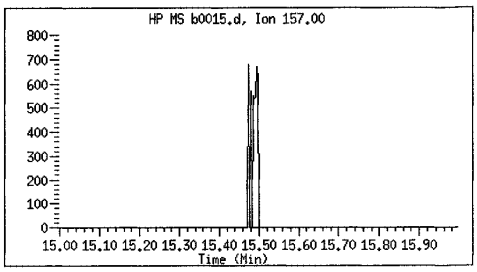
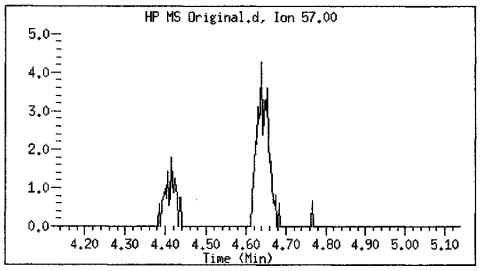


32 Hexane CAS#: 110-54-3 Reason: M1



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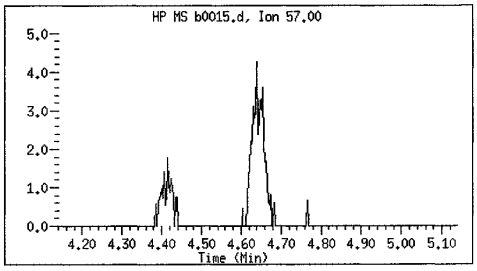
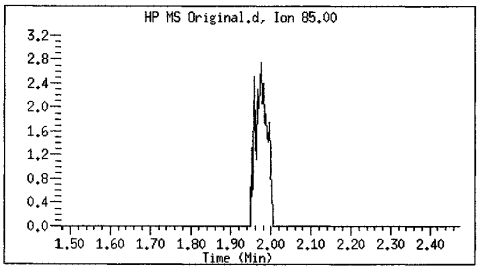


1 Dichlorodifluoromethane CAS#: 75-71-8 Reason: M1



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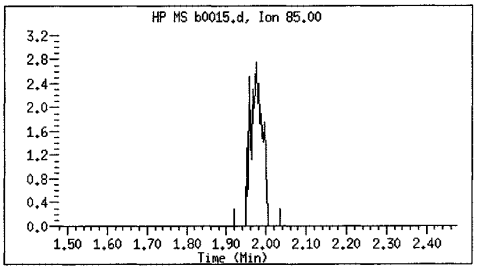
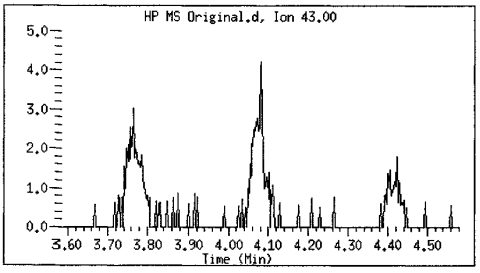


20 Methyl Acetate CAS#: 79-20-9 Reason: M1



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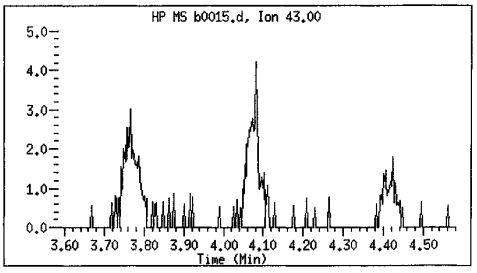


M1 - Target system did not integrate
M2 - Target system integrated incorrectly
M3 - Target system integrated incorrect peak

Data File: /var/chem/msv9.i/2071229p.s.b/b0016.d Page 1
Report Date: 29-Dec-2007 20:31

GCAL, Inc.

RECOVERY REPORT

Client Name: Client SDG: 2071229p.s
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: 1600 Client Smp ID: 8260ICV
Level: LOW Operator: JCK
Data Type: MS DATA SampleType: LCS
SpikeList File: ICV.spk Quant Type: ISTD
Sublist File: 8260b.sub
Method File: /var/chem/msv9.i/2071229p.s.b/8260bw9.m
Misc Info: MSV~12192~*1*JCK

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1	Dichlorodifluoromethane	50.0	41.5	83.04	75-125
2	Chloromethane ++	50.0	48.9	97.73	75-125
3	Vinyl Chloride +	50.0	51.8	103.70	75-125
5	Bromomethane	50.0	55.0	109.95	75-125
6	Chloroethane	50.0	53.7	107.50	75-125
9	Trichlorofluoromethane	50.0	48.5	97.03	75-125
19	1,1,2Trichlotrifluoroethane	50.0	51.5	103.04	75-125
8	Acrolein	250	282	112.84	75-125
13	1,1-Dichloroethene +	50.0	61.3	122.64	75-125
11	Acetone	50.0	62.4	124.87	75-125
14	Methyl Iodide	50.0	53.5	106.91	75-125
21	Carbon Disulfide	50.0	60.1	120.11	75-125
18	Methylene Chloride	50.0	56.6	113.14	75-125
25	MTBE	50.0	53.2	106.42	75-125
22	trans-1,2-Dichloroethene	50.0	61.0	121.97	75-125
16	Acrylonitrile	250	263	105.15	75-125
26	1,1-Dichloroethane ++	50.0	54.2	108.43	75-125
29	Vinyl Acetate	50.0	61.7	123.39	75-125
38	2,2-Dichloropropane	50.0	61.2	122.34	75-125
23	cis-1,2-Dichloroethene	50.0	61.7	123.48	75-125
33	2-Butanone	50.0	60.6	121.28	75-125
36	Bromochloromethane	50.0	57.9	115.83	75-125
37	Chloroform +	50.0	51.0	102.01	75-125
45	Cyclohexane	50.0	63.6	127.29*	75-125
43	1,1,1-Trichloroethane	50.0	59.9	119.83	75-125
46	Carbon Tetrachloride	50.0	59.8	119.61	75-125
44	1,1-Dichloropropene	50.0	56.7	113.39	75-125
47	Benzene	50.0	53.9	107.81	75-125
42	1,2-Dichloroethane	50.0	52.3	104.54	75-125
57	Trichloroethene	50.0	56.2	112.45	75-125
61	Methyl Cyclohexane	50.0	66.0	131.91*	75-125
56	1,2-Dichloropropane +	50.0	53.9	107.74	75-125
55	Dibromomethane	50.0	56.4	112.79	75-125

168926

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
58 Bromodichloromethane	50.0	56.3	112.63	75-125
62 2-Chloroethyl vinyl ether	50.0	63.0	126.07*	75-125
63 cis-1,3-Dichloropropene	50.0	60.5	120.98	75-125
65 4-methyl-2-pentanone	50.0	54.4	108.78	75-125
70 Toluene +	50.0	53.8	107.51	75-125
66 trans-1,3-Dichloropropene	50.0	61.8	123.70	75-125
67 1,1,2-Trichloroethane	50.0	51.9	103.71	75-125
78 Tetrachloroethene	50.0	54.9	109.77	75-125
71 1,3-Dichloropropane	50.0	53.3	106.65	75-125
73 2-Hexanone	50.0	68.4	136.85*	75-125
72 Dibromochloromethane	50.0	59.2	118.45	75-125
74 1,2-Dibromoethane(EDB)	50.0	54.8	109.65	75-125
85 Chlorobenzene ++	50.0	53.4	106.76	75-125
88 Ethylbenzene +	50.0	60.2	120.47	75-125
82 1,1,1,2-Tetrachloroethane	50.0	57.4	114.85	75-125
89 p,m-Xylene	100	106	106.47	75-125
93 o-Xylene	50.0	54.0	108.03	75-125
91 Styrene	50.0	51.8	103.63	75-125
90 Bromoform ++	50.0	64.4	128.82*	75-125
96 Isopropylbenzene	50.0	53.7	107.38	75-125
98 Bromobenzene	50.0	58.2	116.47	75-125
92 1,1,2,2-Tetrachloroethane++	50.0	60.4	120.80	75-125
100 n-Propylbenzene	50.0	57.4	114.74	75-125
94 1,2,3-Trichloropropane	50.0	61.4	122.72	75-125
95 trans-1,4-Dichloro-2-Butene	50.0	104	207.23*	75-125
101 2-Chlorotoluene	50.0	57.1	114.14	75-125
104 1,3,5-Trimethylbenzene	50.0	57.3	114.68	75-125
102 4-Chlorotoluene	50.0	58.6	117.21	75-125
105 tert-butylbenzene	50.0	57.9	115.89	75-125
106 1,2,4-Trimethylbenzene	50.0	56.7	113.33	75-125
107 sec-Butylbenzene	50.0	58.2	116.48	75-125
108 1,3-Dichlorobenzene	50.0	56.8	113.69	75-125
111 p-Isopropyltoluene	50.0	56.5	113.06	75-125
110 1,4-Dichlorobenzene	50.0	52.4	104.75	75-125
114 n-Butylbenzene	50.0	60.2	120.38	75-125
113 1,2-Dichlorobenzene	50.0	54.7	109.48	75-125
115 1,2-Dibromo-3-Chloropropane	50.0	53.5	106.92	75-125
116 1,2,4-Trichlorobenzene	50.0	56.8	113.65	75-125
118 Hexachlorobutadiene	50.0	50.2	100.47	75-125
117 Naphthalene	50.0	51.6	103.19	75-125
119 1,2,3-Trichlorobenzene	50.0	54.6	109.21	75-125

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 39 Dibromofluoromethane	50.0	50.9	101.78	77-127

168927

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 41 1,2-Dichloroethane-d4	50.0	49.5	99.06	71-127
$ 68 Toluene-d8	50.0	50.6	101.21	76-134
$ 97 Bromofluorobenzene	50.0	54.7	109.33	78-130

168928

GCAL, Inc.

Data file : /var/chem/msv9.i/2071229p.s.b/b0016.d
Lab Smp Id: 1600 Client Smp ID: 8260ICV
Inj Date : 29-DEC-2007 17:13
Operator : JCK Inst ID: msv9.i
Smp Info : 1600*8260ICV
Misc Info : MSV~12192~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071229p.s.b/8260bw9.m
Meth Date : 29-Dec-2007 20:31 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 14:50 Cal File: b0013.d
Als bottle: 10 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
1	Dichlorodifluoromethane	85	1.973	1.964	(0.290)	453455	41.5207	41.5	
2	Chloromethane ++	50	2.221	2.218	(0.327)	676627	48.8674	48.9	
3	Vinyl Chloride +	62	2.318	2.313	(0.341)	645428	51.8500	51.8	
5	Bromomethane	94	2.703	2.695	(0.398)	163767	54.9727	55.0	
6	Chloroethane	64	2.818	2.809	(0.415)	274697	53.7483	53.7	
9	Trichlorofluoromethane	101	3.057	3.046	(0.450)	777856	48.5148	48.5	
19	1,1,2Trichlotrifluoroethane	101	3.590	3.587	(0.528)	430876	51.5216	51.5	
8	Acrolein	56	3.598	3.596	(0.529)	490555	282.098	282	(A)
13	1,1-Dichloroethene +	96	3.637	3.632	(0.535)	390141	61.3192	61.3	
11	Acetone	43	3.760	3.757	(0.553)	385626	62.4373	62.4	
14	Methyl Iodide	142	3.827	3.821	(0.563)	316373	53.4534	53.5	
21	Carbon Disulfide	76	3.874	3.866	(0.570)	1279257	60.0550	60.1	
20	Methyl Acetate	43	4.070	4.064	(0.599)	642979	57.9455	57.9	9667
18	Methylene Chloride	49	4.206	4.204	(0.619)	713065	56.5712	56.6	

168929

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
	25	MTBE	73	4.410	4.410	(0.649)	1406467	53.2115	53.2	9263
	22	trans-1,2-Dichloroethene	61	4.446	4.443	(0.654)	690073	60.9874	61.0	
	16	Acrylonitrile	53	4.541	4.538	(0.668)	1379748	262.881	263	(A)
	32	Hexane	57	4.639	4.636	(0.682)	788894	63.5009	63.5	9356
	26	1,1-Dichloroethane ++	63	4.940	4.937	(0.727)	802161	54.2168	54.2	
	29	Vinyl Acetate	43	4.962	4.962	(0.730)	837037	61.6931	61.7	
	38	2,2-Dichloropropane	77	5.534	5.531	(0.814)	509284	61.1705	61.2	
	23	cis-1,2-Dichloroethene	61	5.564	5.567	(0.819)	677334	61.7417	61.7	
	33	2-Butanone	43	5.595	5.589	(0.823)	440079	60.6396	60.6	
	36	Bromochloromethane	128	5.832	5.838	(0.858)	171475	57.9146	57.9	
	37	Chloroform +	83	5.893	5.893	(0.867)	684042	51.0042	51.0	
M	80	Total 1,2-Dichloroethene	61				1367407	122.729	123	
	45	Cyclohexane	56	6.050	6.044	(0.890)	899091	63.6444	63.6	9547(R)
	43	1,1,1-Trichloroethane	97	6.064	6.061	(0.892)	556433	59.9131	59.9	
$	39	Dibromofluoromethane	111	6.078	6.077	(0.894)	296972	50.8904	50.9	8694
	46	Carbon Tetrachloride	117	6.206	6.206	(0.913)	438496	59.8025	59.8	
	44	1,1-Dichloropropene	75	6.245	6.242	(0.919)	553808	56.6936	56.7	
	47	Benzene	78	6.473	6.471	(0.952)	1714235	53.9048	53.9	
$	41	1,2-Dichloroethane-d4	67	6.490	6.485	(0.955)	196661	49.5291	49.5	
	42	1,2-Dichloroethane	62	6.574	6.574	(0.967)	588173	52.2693	52.3	
*	50	FLUOROBENZENE	96	6.797	6.797	(1.000)	1197035	50.0000		
	57	Trichloroethene	130	7.199	7.199	(1.059)	358514	56.2265	56.2	
	61	Methyl Cyclohexane	83	7.335	7.332	(1.079)	722196	65.9528	66.0	9450(R)
	56	1,2-Dichloropropane +	63	7.519	7.519	(1.106)	480155	53.8680	53.9	
	55	Dibromomethane	93	7.664	7.667	(1.128)	215632	56.3956	56.4	
	58	Bromodichloromethane	83	7.820	7.826	(1.151)	509082	56.3132	56.3	
	62	2-Chloroethyl vinyl ether	63	8.189	8.188	(1.205)	250983	63.0330	63.0	(R)
	60	1-Bromo-2-chloroethane	144	8.242	8.244	(1.213)	54320	44.9924	45.0	9537
	63	cis-1,3-Dichloropropene	75	8.384	8.381	(1.233)	569402	60.4903	60.5	
	65	4-methyl-2-pentanone	43	8.568	8.568	(1.261)	756515	54.3881	54.4	
$	68	Toluene-d8	98	8.674	8.676	(0.768)	1157405	50.6066	50.6	
	70	Toluene +	91	8.769	8.768	(0.776)	1755120	53.7570	53.8	
	66	trans-1,3-Dichloropropene	75	9.204	9.204	(1.354)	523143	61.8484	61.8	
M	87	1-3 Dichloropropene total	100				1092545	122.339	122	0
	67	1,1,2-Trichloroethane	97	9.499	9.496	(0.841)	393926	51.8567	51.9	
	78	Tetrachloroethene	164	9.572	9.566	(0.847)	264939	54.8850	54.9	
	71	1,3-Dichloropropane	76	9.798	9.798	(0.867)	682987	53.3264	53.3	
	73	2-Hexanone	43	9.884	9.881	(0.875)	594450	68.4242	68.4	(R)
	72	Dibromochloromethane	129	10.141	10.141	(0.897)	365288	59.2241	59.2	
	74	1,2-Dibromoethane(EDB)	107	10.394	10.389	(0.920)	342804	54.8228	54.8	
	86	1-Chlorohexane	91	11.281	11.275	(1.660)	478702	53.2446	53.2	7474
*	83	CHLOROBENZENE-d5	82	11.301	11.298	(1.000)	558165	50.0000		
	85	Chlorobenzene ++	112	11.356	11.356	(1.005)	1075890	53.3782	53.4	
	88	Ethylbenzene +	106	11.513	11.510	(1.019)	635506	60.2357	60.2	
	82	1,1,1,2-Tetrachloroethane	133	11.529	11.532	(1.020)	347892	57.4272	57.4	
	89	p,m-Xylene	106	11.733	11.733	(1.038)	1533509	106.467	106	
	93	o-Xylene	106	12.369	12.369	(1.095)	759914	54.0161	54.0	

168930

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
M 120 TOTAL XYLENE	106				2293423	160.483	160	
91 Styrene	104	12.413	12.410	(1.098)	1135207	51.8147	51.8	
90 Bromoform ++	173	12.695	12.695	(1.123)	231259	64.4097	64.4	(R)
96 Isopropylbenzene	105	12.865	12.865	(1.138)	1778110	53.6879	53.7	
$ 97 Bromofluorobenzene	174	13.122	13.119	(1.161)	293233	54.6628	54.7	
98 Bromobenzene	77	13.286	13.283	(0.923)	718107	58.2370	58.2	
92 1,1,2,2-Tetrachloroethane++	83	13.348	13.347	(0.927)	643125	60.3979	60.4	
100 n-Propylbenzene	91	13.381	13.381	(0.930)	2063643	57.3686	57.4	
94 1,2,3-Trichloropropane	75	13.406	13.400	(0.931)	772040	61.3584	61.4	
95 trans-1,4-Dichloro-2-Butene	53	13.426	13.431	(0.933)	208016	103.617	104	(R)
101 2-Chlorotoluene	91	13.509	13.506	(0.939)	1316161	57.0683	57.1	
104 1,3,5-Trimethylbenzene	105	13.598	13.598	(0.945)	1555404	57.3395	57.3	
102 4-Chlorotoluene	91	13.643	13.643	(0.948)	1244970	58.6040	58.6	
105 tert-butylbenzene	91	13.939	13.939	(0.968)	837282	57.9455	57.9	
106 1,2,4-Trimethylbenzene	105	14.008	14.006	(0.973)	1506173	56.6674	56.7	
107 sec-Butylbenzene	105	14.170	14.170	(0.984)	1788246	58.2397	58.2	
108 1,3-Dichlorobenzene	146	14.318	14.315	(0.995)	745067	56.8451	56.8	
111 p-Isopropyltoluene	119	14.321	14.318	(0.995)	1476661	56.5294	56.5	
* 109 1,4-DICHLOROBENZENE-D4	152	14.393	14.390	(1.000)	401305	50.0000		
110 1,4-Dichlorobenzene	146	14.416	14.415	(1.002)	690479	52.3767	52.4	
114 n-Butylbenzene	91	14.714	14.711	(1.022)	1194605	60.1925	60.2	
113 1,2-Dichlorobenzene	146	14.775	14.772	(1.027)	730804	54.7413	54.7	
115 1,2-Dibromo-3-Chloropropane	157	15.484	15.481	(1.076)	100355	53.4596	53.5	
116 1,2,4-Trichlorobenzene	180	16.111	16.108	(1.119)	348641	56.8270	56.8	
118 Hexachlorobutadiene	225	16.195	16.195	(1.125)	114303	50.2358	50.2	
117 Naphthalene	128	16.320	16.317	(1.134)	1361947	51.5936	51.6	
119 1,2,3-Trichlorobenzene	180	16.515	16.515	(1.147)	355970	54.6044	54.6	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

168931

Data File: /var/chem/msv9.i/2071229p.s.b/b0016.d

Page 1

Date : 29-DEC-2007 17:13

Client ID: 8260ICV

Instrument: msv9.i

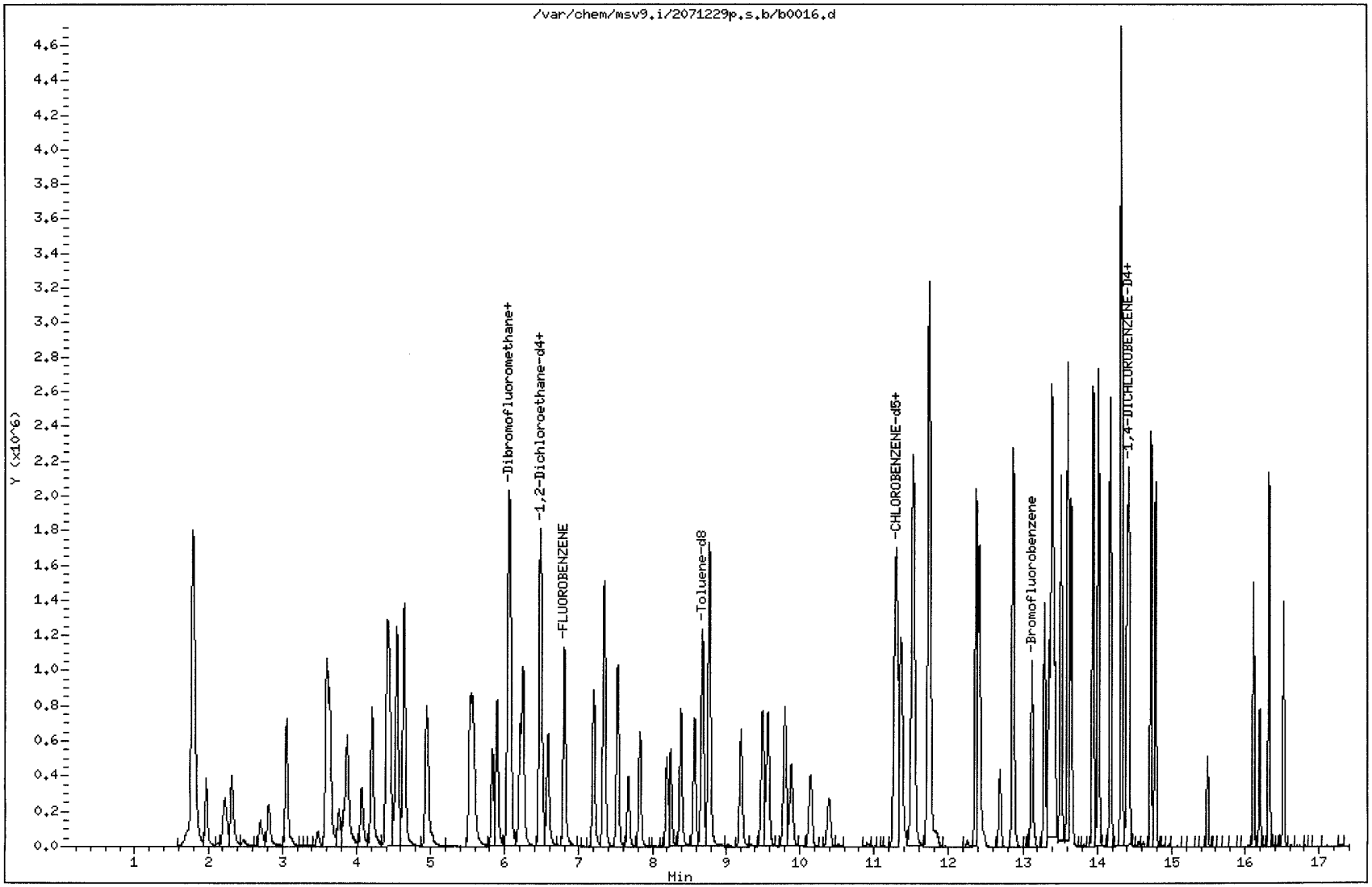
Sample Info: 1600*8260ICV

Purge Volume: 5.0

Operator: JCK

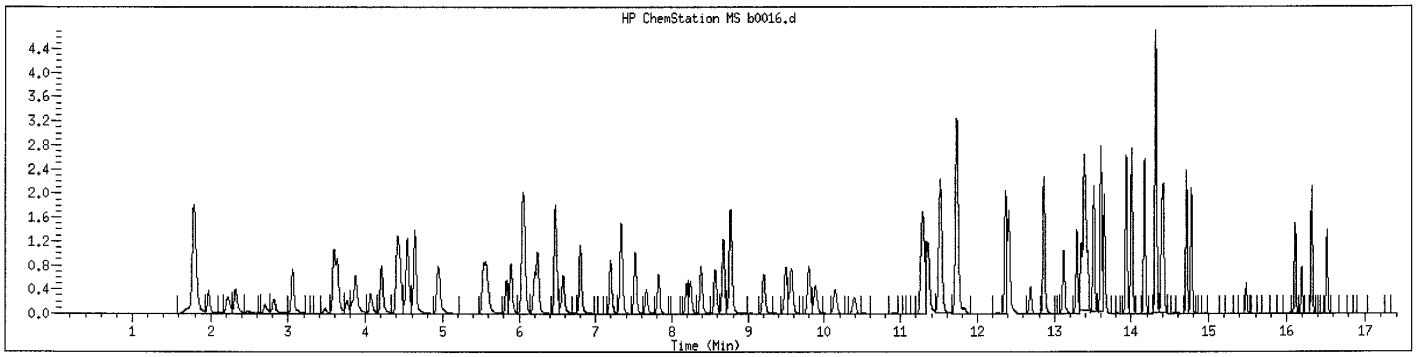
Column phase: DB-VRX-20M

Column diameter: 0.18



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 12/29/2007 17:13	Instrument	: msv9.i
Operator	: JCK		
Sample Info	: 1600*8260ICV		
Misc Info	: MSV~12192~*1*JCK		
Method	: /var/chem/msv9.i/2071229p.s.b/8260bw9.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

168933

Report Date: 30-Dec-2007 16:47

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv9.i Injection Date: 30-DEC-2007 09:28
Lab File ID: b0053.d Init. Cal. Date(s): 20-DEC-2007 29-DEC-2007
Analysis Type: WATER Init. Cal. Times: 09:36 15:53
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv9.i/2071230.s.b/8260bw9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dichlorodifluoromethane	0.45618	0.41373	0.41373	0.000	-9.30528	30.00000	Averaged
2 Chloromethane ++	0.57835	0.50703	0.50703	0.100	-12.33300	30.00000	Averaged
3 Vinyl Chloride +	0.51995	0.48285	0.48285	0.000	-7.13565	20.00000	Averaged
5 Bromomethane	47.46040	50.00000	0.11849	0.000	-5.07919	0.000e+00	Linear<-
6 Chloroethane	55.86102	50.00000	0.23629	0.050	11.72204	0.000e+00	Quadratic<-
9 Trichlorofluoromethane	0.66971	0.57526	0.57526	0.000	-14.10409	30.00000	Averaged
19 1,1,2Trichlotrifluoroethane	0.34932	0.34133	0.34133	0.000	-2.28876	30.00000	Averaged
8 Acrolein	0.07264	0.07743	0.07743	0.000	6.59643	30.00000	Averaged
13 1,1-Dichloroethene +	0.26576	0.25663	0.25663	0.000	-3.43540	20.00000	Averaged
11 Acetone	0.25798	0.29278	0.29278	0.000	13.49162	30.00000	Averaged
14 Methyl Iodide	0.24722	0.23804	0.23804	0.000	-3.71435	30.00000	Averaged
21 Carbon Disulfide	54.15470	50.00000	0.96444	0.000	8.30940	0.000e+00	Linear<-
20 Methyl Acetate	0.46349	0.43474	0.43474	0.050	-6.20395	30.00000	Averaged
18 Methylene Chloride	0.52650	0.50247	0.50247	0.000	-4.56325	30.00000	Averaged
25 MTBE	1.10405	1.01531	1.01531	0.000	-8.03700	30.00000	Averaged
22 trans-1,2-Dichloroethene	0.47263	0.45153	0.45153	0.000	-4.46456	30.00000	Averaged
16 Acrylonitrile	0.21923	0.21360	0.21360	0.000	-2.57043	30.00000	Averaged
32 Hexane	0.51892	0.56886	0.56886	0.050	9.62379	30.00000	Averaged
26 1,1-Dichloroethane ++	0.61800	0.56436	0.56436	0.100	-8.67940	30.00000	Averaged
29 Vinyl Acetate	0.56672	0.60010	0.60010	0.000	5.88967	30.00000	Averaged
38 2,2-Dichloropropane	0.34776	0.35001	0.35001	0.000	0.64639	30.00000	Averaged
23 cis-1,2-Dichloroethene	0.45823	0.46021	0.46021	0.000	0.43123	30.00000	Averaged
33 2-Butanone	0.30314	0.30323	0.30323	0.000	0.03113	30.00000	Averaged
36 Bromochloromethane	0.12367	0.11778	0.11778	0.000	-4.76184	30.00000	Averaged
37 Chloroform +	0.56020	0.49282	0.49282	0.000	-12.02801	20.00000	Averaged
M 80 Total 1,2-Dichloroethene	0.46543	0.45587	0.45587	0.000	-2.05451	30.00000	Averaged
45 Cyclohexane	0.59007	0.66248	0.66248	0.000	12.26995	30.00000	Averaged
43 1,1,1-Trichloroethane	0.38793	0.39376	0.39376	0.000	1.50351	30.00000	Averaged
$ 39 Dibromofluoromethane	0.24375	0.23646	0.23646	0.000	-2.99235	30.00000	Averaged
46 Carbon Tetrachloride	0.30627	0.30789	0.30789	0.000	0.52776	30.00000	Averaged
44 1,1-Dichloropropene	0.40803	0.38730	0.38730	0.000	-5.07915	30.00000	Averaged
47 Benzene	1.32833	1.22603	1.22603	0.000	-7.70133	30.00000	Averaged
$ 41 1,2-Dichloroethane-d4	0.16585	0.14903	0.14903	0.000	-10.14363	30.00000	Averaged
42 1,2-Dichloroethane	0.47003	0.42519	0.42519	0.000	-9.53906	30.00000	Averaged
57 Trichloroethene	0.26634	0.25960	0.25960	0.000	-2.52847	30.00000	Averaged

168934

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv9.i Injection Date: 30-DEC-2007 09:28
Lab File ID: b0053.d Init. Cal. Date(s): 20-DEC-2007 29-DEC-2007
Analysis Type: WATER Init. Cal. Times: 09:36 15:53
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv9.i/2071230.s.b/8260bw9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
61 Methyl Cyclohexane	0.45739	0.53297	0.53297	0.050	16.52366	30.00000	Averaged	
56 1,2-Dichloropropane +	0.37232	0.35070	0.35070	0.000	-5.80518	20.00000	Averaged	
55 Dibromomethane	0.15971	0.15324	0.15324	0.000	-4.05324	30.00000	Averaged	
58 Bromodichloromethane	0.37761	0.37804	0.37804	0.000	0.11367	30.00000	Averaged	
62 2-Chloroethyl vinyl ether	44.79960	50.00000	0.14649	0.000	-10.40079	0.000e+00	Linear	<-
60 1-Bromo-2-chloroethane	0.05043	0.04966	0.04966	0.005	-1.52843	30.00000	Averaged	
63 cis-1,3-Dichloropropene	0.39318	0.39657	0.39657	0.000	0.86013	30.00000	Averaged	
65 4-methyl-2-pentanone	45.16359	50.00000	0.52321	0.000	-9.67282	0.000e+00	Linear	<-
$ 68 Toluene-d8	2.04873	2.09996	2.09996	0.000	2.50025	30.00000	Averaged	
70 Toluene +	2.92468	2.88310	2.88310	0.000	-1.42197	20.00000	Averaged	
66 trans-1,3-Dichloropropene	0.35331	0.36602	0.36602	0.000	3.59899	30.00000	Averaged	
M 87 1-3 Dichloropropene total	0.37325	0.38130	0.38130	0.050	2.15641	30.00000	Averaged	
67 1,1,2-Trichloroethane	0.68048	0.68389	0.68389	0.000	0.50100	30.00000	Averaged	
78 Tetrachloroethene	0.43241	0.44496	0.44496	0.000	2.90221	30.00000	Averaged	
71 1,3-Dichloropropane	1.14730	1.13223	1.13223	0.000	-1.31364	30.00000	Averaged	
73 2-Hexanone	0.77824	0.87716	0.87716	0.000	12.71108	30.00000	Averaged	
72 Dibromochloromethane	0.55252	0.60440	0.60440	0.000	9.39039	30.00000	Averaged	
74 1,2-Dibromoethane(EDB)	0.56013	0.57900	0.57900	0.000	3.36873	30.00000	Averaged	
86 1-Chlorohexane	46.44766	50.00000	0.34671	0.050	-7.10467	0.000e+00	Linear	<-
85 Chlorobenzene ++	1.80556	1.72403	1.72403	0.300	-4.51555	30.00000	Averaged	
88 Ethylbenzene +	0.94509	1.03253	1.03253	0.000	9.25154	20.00000	Averaged	
82 1,1,1,2-Tetrachloroethane	0.54267	0.59323	0.59323	0.000	9.31643	30.00000	Averaged	
89 p,m-Xylene	92.89229	100	1.19551	0.000	-7.10771	0.000e+00	Linear	<-
93 o-Xylene	49.85400	50.00000	1.25439	0.000	-0.29200	0.000e+00	Linear	<-
M 120 TOTAL XYLENE	143	150	1.96933	0.000	-4.83581	0.000e+00	Linear	<-
91 Styrene	40.21999	50.00000	1.56675	0.000	-19.56003	0.000e+00	Linear	<-
90 Bromoform ++	0.32163	0.37041	0.37041	0.100	15.16769	30.00000	Averaged	
96 Isopropylbenzene	52.64812	50.00000	3.12294	0.000	5.29625	0.000e+00	Linear	<-
$ 97 Bromofluorobenzene	0.48054	0.48281	0.48281	0.000	0.47361	30.00000	Averaged	
98 Bromobenzene	1.53634	1.75682	1.75682	0.000	14.35159	30.00000	Averaged	
92 1,1,2,2-Tetrachloroethane++	64.52604	50.00000	1.71002	0.300	29.05207	0.000e+00	Linear	<-
100 n-Propylbenzene	53.75519	50.00000	4.81709	0.000	7.51039	0.000e+00	Linear	<-
94 1,2,3-Trichloropropane	1.56769	1.75420	1.75420	0.000	11.89716	30.00000	Averaged	
95 trans-1,4-Dichloro-2-Butene	0.25013	0.26324	0.26324	0.000	5.24188	30.00000	Averaged	
101 2-Chlorotoluene	2.87349	3.38152	3.38152	0.000	17.67993	30.00000	Averaged	
104 1,3,5-Trimethylbenzene	64.68769	50.00000	4.37052	0.000	29.37538	0.000e+00	Linear	<-

168935

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv9.i Injection Date: 30-DEC-2007 09:28
Lab File ID: b0053.d Init. Cal. Date(s): 20-DEC-2007 29-DEC-2007
Analysis Type: WATER Init. Cal. Times: 09:36 15:53
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv9.i/2071230.s.b/8260bw9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
102 4-Chlorotoluene	2.64684	2.74603	2.74603	0.000	3.74776	30.00000	Averaged	
105 tert-butylbenzene	64.02780	50.00000	2.30665	0.000	28.05559	0.000e+00	Linear	<-
106 1,2,4-Trimethylbenzene	58.57675	50.00000	3.87947	0.000	17.15350	0.000e+00	Linear	<-
107 sec-Butylbenzene	59.08995	50.00000	4.52136	0.000	18.17990	0.000e+00	Linear	<-
108 1,3-Dichlorobenzene	1.63304	1.66577	1.66577	0.000	2.00414	30.00000	Averaged	
111 p-Isopropyltoluene	55.78737	50.00000	3.63083	0.000	11.57474	0.000e+00	Linear	<-
110 1,4-Dichlorobenzene	1.64251	1.36956	1.36956	0.000	-16.61772	30.00000	Averaged	
114 n-Butylbenzene	2.47273	2.51185	2.51185	0.000	1.58207	30.00000	Averaged	
113 1,2-Dichlorobenzene	1.66334	1.81017	1.81017	0.000	8.82729	30.00000	Averaged	
115 1,2-Dibromo-3-Chloropropane	55.37541	50.00000	0.25919	0.000	10.75082	0.000e+00	Linear	<-
116 1,2,4-Trichlorobenzene	0.76440	0.81579	0.81579	0.000	6.72400	30.00000	Averaged	
118 Hexachlorobutadiene	0.28349	0.30144	0.30144	0.000	6.33286	30.00000	Averaged	
117 Naphthalene	3.28897	3.05956	3.05956	0.000	-6.97497	30.00000	Averaged	
119 1,2,3-Trichlorobenzene	0.81223	0.85808	0.85808	0.000	5.64513	30.00000	Averaged	

168936

GCAL, Inc.

Data file : /var/chem/msv9.i/2071230.s.b/b0052.d
Lab Smp Id: 1000 Client Smp ID: V9BFB01
Inj Date : 30-DEC-2007 08:50
Operator : JCK Inst ID: msv9.i
Smp Info : 1000*V9BFB01
Misc Info : MSV~12194~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071230.s.b/bfb9.m
Meth Date : 22-Sep-2007 07:59 adi Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb					CAS #: 460-00-4		
13.122	13.240 (0.000)	95	110880			100.00- 100.00	100.00
13.122	13.240 (0.000)	50	26405			15.00- 40.00	23.81
13.122	13.240 (0.000)	75	55746			30.00- 60.00	50.28
13.122	13.240 (0.000)	96	7288			5.00- 9.00	6.57
13.122	13.240 (0.000)	173	1276			0.00- 2.00	1.73
13.122	13.240 (0.000)	174	73889			50.00- 120.00	66.64
13.122	13.240 (0.000)	175	5700			5.00- 9.00	7.71
13.122	13.240 (0.000)	176	71189			95.00- 101.00	96.35
13.122	13.240 (0.000)	177	5137			5.00- 9.00	7.22

168937

Data File: /var/chem/msv9.i/2071230.s.b/b0052.d

Page 1

Date : 30-DEC-2007 08:50

Client ID: V9BFB01

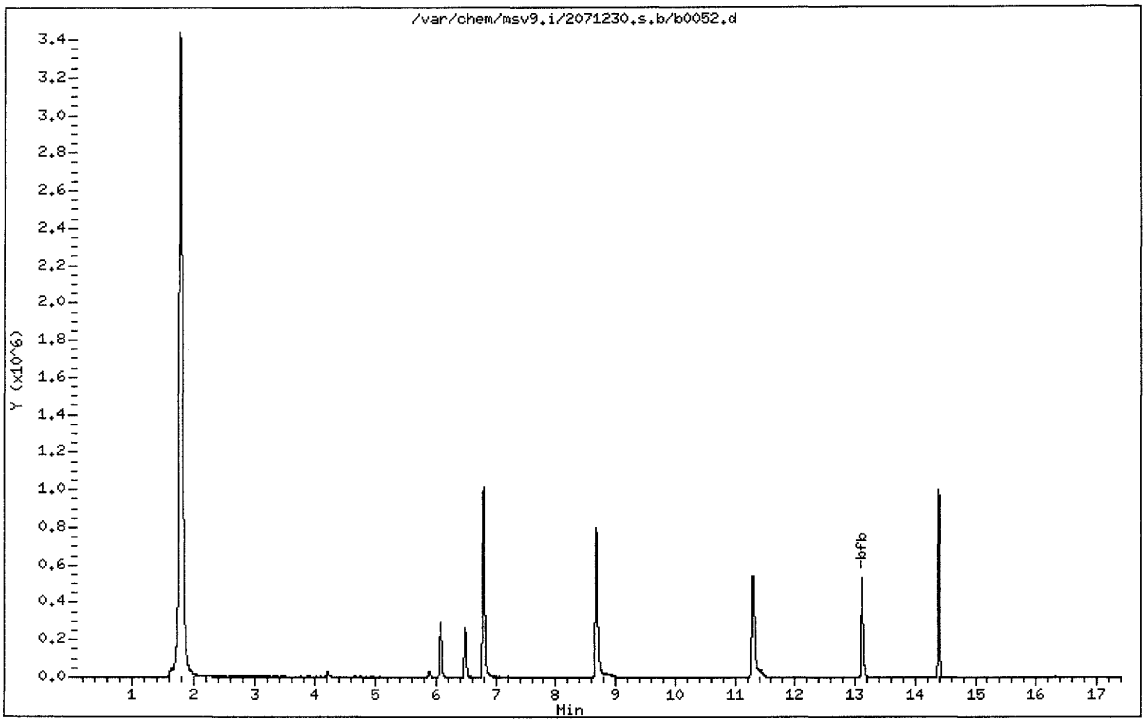
Instrument: msv9.i

Sample Info: 1000*V9BFB01

Operator: JCK

Column phase: DB-VRX-20M

Column diameter: 0.18



Data File: /var/chem/msv9.i/2071230.s.b/b0052.d

Date : 30-DEC-2007 08:50

Client ID: V9BFB01

Instrument: msv9.i

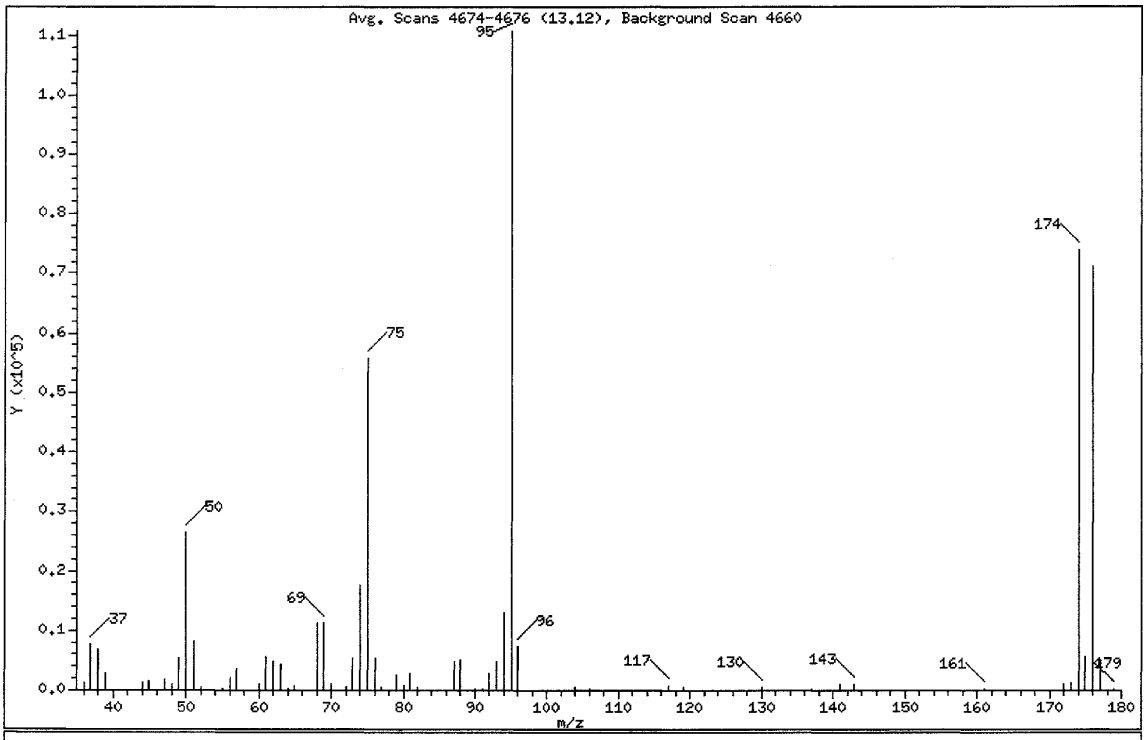
Sample Info: 1000*V9BFB01

Operator: JCK

Column phase: DB-VRX-20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.81
75	30.00 - 60.00% of mass 95	50.28
96	5.00 - 9.00% of mass 95	6.57
173	Less than 2.00% of mass 174	1.15 (1.73)
174	50.00 - 120.00% of mass 95	66.64
175	5.00 - 9.00% of mass 174	5.14 (7.71)
176	95.00 - 101.00% of mass 174	64.20 (96.35)
177	5.00 - 9.00% of mass 176	4.63 (7.22)

168939

Data File: /var/chem/msv9.i/2071230.s.b/b0052.d

Date : 30-DEC-2007 08:50

Client ID: V9BFB01 Instrument: msv9.i

Sample Info: 1000xV9BFB01

Operator: JCK

Column phase: DB-VRX-20M Column diameter: 0.18

Data File: b0052.d
Spectrum: Avg. Scans 4674-4676 (13.12), Background Scan 4660
Location of Maximum: 95.00
Number of points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1161	60.00	1132	79.00	2573	117.00	680
37.00	7748	61.00	5658	80.00	805	119.00	467
38.00	6922	62.00	4864	81.00	2825	130.00	454
39.00	2703	63.00	4401	82.00	424	137.00	170
44.00	1157	64.00	250	87.00	4874	141.00	1037
45.00	1557	65.00	645	88.00	5174	143.00	1059
47.00	1866	68.00	11232	90.00	174	161.00	177
48.00	916	69.00	11265	91.00	186	172.00	893
49.00	5409	70.00	945	92.00	2709	173.00	1276
50.00	26400	72.00	630	93.00	4776	174.00	73888
51.00	8100	73.00	5261	94.00	13102	175.00	5700
52.00	397	74.00	17528	95.00	110880	176.00	71184
55.00	230	75.00	55744	96.00	7288	177.00	5137
56.00	1954	76.00	5379	104.00	438	179.00	172
57.00	3602	77.00	455	106.00	267		

168940

GCAL, Inc.

Data file : /var/chem/msv9.i/2071230.s.b/b0053.d
Lab Smp Id: 1400 Client Smp ID: V9STD050
Inj Date : 30-DEC-2007 09:28
Operator : JCK Inst ID: msv9.i
Smp Info : 1400*V9STD050*6-13-9
Misc Info : MSV~12194~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Meth Date : 30-Dec-2007 16:47 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 14:50 Cal File: b0013.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.973	1.973	(0.290)	495079	50.0000	45.3	
2 Chloromethane ++	50	2.232	2.232	(0.328)	606721	50.0000	43.8	
3 Vinyl Chloride +	62	2.318	2.318	(0.341)	577791	50.0000	46.4	
5 Bromomethane	94	2.701	2.701	(0.397)	141785	50.0000	47.5	
6 Chloroethane	64	2.812	2.812	(0.414)	282756	50.0000	55.9	
9 Trichlorofluoromethane	101	3.055	3.055	(0.449)	688367	50.0000	42.9	
19 1,1,2Trichlotrifluoroethane	101	3.596	3.596	(0.529)	408442	50.0000	48.9	
8 Acrolein	56	3.598	3.598	(0.529)	463258	250.000	266	(A)
13 1,1-Dichloroethene +	96	3.638	3.638	(0.535)	307090	50.0000	48.3	
11 Acetone	43	3.755	3.755	(0.552)	350355	50.0000	56.7	
14 Methyl Iodide	142	3.827	3.827	(0.563)	284845	50.0000	48.1	
21 Carbon Disulfide	76	3.869	3.869	(0.569)	1154080	50.0000	54.2	
20 Methyl Acetate	43	4.070	4.070	(0.599)	520217	50.0000	46.9	9602
18 Methylene Chloride	49	4.209	4.209	(0.619)	601273	50.0000	47.7	

168941

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	SIMILARITY
	25 MTBE	73	4.410	4.410	(0.649)	1214954	50.0000	46.0	9271
	22 trans-1,2-Dichloroethene	61	4.446	4.446	(0.654)	540309	50.0000	47.8	
	16 Acrylonitrile	53	4.544	4.544	(0.668)	1277982	250.000	244	(A)
	32 Hexane	57	4.641	4.641	(0.683)	680716	50.0000	54.8	9361
	26 1,1-Dichloroethane ++	63	4.940	4.940	(0.727)	675335	50.0000	45.7	
	29 Vinyl Acetate	43	4.962	4.962	(0.730)	718099	50.0000	52.9	
	38 2,2-Dichloropropane	77	5.537	5.537	(0.815)	418831	50.0000	50.3	
	23 cis-1,2-Dichloroethene	61	5.564	5.564	(0.819)	550701	50.0000	50.2	
	33 2-Butanone	43	5.592	5.592	(0.823)	362854	50.0000	50.0	
	36 Bromochloromethane	128	5.838	5.838	(0.859)	140944	50.0000	47.6	
	37 Chloroform +	83	5.896	5.896	(0.867)	589717	50.0000	44.0	
M	80 Total 1,2-Dichloroethene	61				1091010	100.000	98.0	
	45 Cyclohexane	56	6.050	6.050	(0.890)	792738	50.0000	56.1	9640
	43 1,1,1-Trichloroethane	97	6.064	6.064	(0.892)	471189	50.0000	50.8	
$	39 Dibromofluoromethane	111	6.078	6.078	(0.894)	282949	50.0000	48.5	8708
	46 Carbon Tetrachloride	117	6.206	6.206	(0.913)	368430	50.0000	50.3	
	44 1,1-Dichloropropene	75	6.242	6.242	(0.918)	463457	50.0000	47.5	
	47 Benzene	78	6.474	6.474	(0.952)	1467104	50.0000	46.1	
$	41 1,2-Dichloroethane-d4	67	6.488	6.488	(0.954)	178332	50.0000	44.9	
	42 1,2-Dichloroethane	62	6.574	6.574	(0.967)	508794	50.0000	45.2	
*	50 FLUOROBENZENE	96	6.797	6.797	(1.000)	1196629	50.0000		
	57 Trichloroethene	130	7.199	7.199	(1.059)	310646	50.0000	48.7	
	61 Methyl Cyclohexane	83	7.338	7.338	(1.080)	637762	50.0000	58.3	9519
	56 1,2-Dichloropropane +	63	7.519	7.519	(1.106)	419663	50.0000	47.1	
	55 Dibromomethane	93	7.664	7.664	(1.128)	183367	50.0000	48.0	
	58 Bromodichloromethane	83	7.823	7.823	(1.151)	452370	50.0000	50.1	
	62 2-Chloroethyl vinyl ether	63	8.189	8.189	(1.205)	175297	50.0000	44.8	
	60 1-Bromo-2-chloroethane	144	8.242	8.242	(1.213)	59423	50.0000	49.2	9501
	63 cis-1,3-Dichloropropene	75	8.381	8.381	(1.233)	474543	50.0000	50.4	
	65 4-methyl-2-pentanone	43	8.568	8.568	(1.261)	626085	50.0000	45.2	
$	68 Toluene-d8	98	8.677	8.677	(0.768)	1108473	50.0000	51.3	
	70 Toluene +	91	8.774	8.774	(0.776)	1521857	50.0000	49.3	
	66 trans-1,3-Dichloropropene	75	9.206	9.206	(1.354)	437996	50.0000	51.8	
M	87 1-3 Dichloropropene total	100				912539	100.000	102	0
	67 1,1,2-Trichloroethane	97	9.494	9.494	(0.840)	360996	50.0000	50.3	
	78 Tetrachloroethene	164	9.563	9.563	(0.846)	234876	50.0000	51.5	
	71 1,3-Dichloropropane	76	9.798	9.798	(0.867)	597653	50.0000	49.3	
	73 2-Hexanone	43	9.884	9.884	(0.874)	463014	50.0000	56.4	
	72 Dibromochloromethane	129	10.141	10.141	(0.897)	319035	50.0000	54.7	
	74 1,2-Dibromoethane(EDB)	107	10.394	10.394	(0.920)	305630	50.0000	51.7	
	86 1-Chlorohexane	91	11.273	11.273	(1.658)	414889	50.0000	46.4	7380
*	83 CHLOROBENZENE-d5	82	11.303	11.303	(1.000)	527855	50.0000		
	85 Chlorobenzene ++	112	11.359	11.359	(1.005)	910037	50.0000	47.7	
	88 Ethylbenzene +	106	11.515	11.515	(1.019)	545024	50.0000	54.6	
	82 1,1,1,2-Tetrachloroethane	133	11.529	11.529	(1.020)	313137	50.0000	54.7	
	89 p,m-Xylene	106	11.736	11.736	(1.038)	1262107	100.000	92.9	
	93 o-Xylene	106	12.369	12.369	(1.094)	662137	50.0000	49.9	

168942

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
M 120 TOTAL XYLENE	106				1924244	150.000	143	
91 Styrene	104	12.416	12.416	(1.098)	827016	50.0000	40.2	
90 Bromoform ++	173	12.692	12.692	(1.123)	195524	50.0000	57.6	
96 Isopropylbenzene	105	12.865	12.865	(1.138)	1648461	50.0000	52.6	
$ 97 Bromofluorobenzene	174	13.119	13.119	(1.161)	254856	50.0000	50.2	
98 Bromobenzene	77	13.289	13.289	(0.923)	572201	50.0000	57.2	
92 1,1,2,2-Tetrachloroethane++	83	13.348	13.348	(0.927)	556956	50.0000	64.5	
100 n-Propylbenzene	91	13.384	13.384	(0.930)	1568935	50.0000	53.8	
94 1,2,3-Trichloropropane	75	13.401	13.401	(0.931)	571348	50.0000	55.9	
95 trans-1,4-Dichloro-2-Butene	53	13.431	13.431	(0.933)	85737	50.0000	52.6	
101 2-Chlorotoluene	91	13.509	13.509	(0.939)	1101368	50.0000	58.8	
104 1,3,5-Trimethylbenzene	105	13.599	13.599	(0.945)	1423487	50.0000	64.7	
102 4-Chlorotoluene	91	13.643	13.643	(0.948)	894389	50.0000	51.9	
105 tert-butylbenzene	91	13.939	13.939	(0.968)	751279	50.0000	64.0	
106 1,2,4-Trimethylbenzene	105	14.008	14.008	(0.973)	1263552	50.0000	58.6	
107 sec-Butylbenzene	105	14.170	14.170	(0.984)	1472615	50.0000	59.1	
108 1,3-Dichlorobenzene	146	14.321	14.321	(0.995)	542545	50.0000	51.0	
111 p-Isopropyltoluene	119	14.321	14.321	(0.995)	1182570	50.0000	55.8	
* 109 1,4-DICHLOROBENZENE-D4	152	14.393	14.393	(1.000)	325702	50.0000		
110 1,4-Dichlorobenzene	146	14.416	14.416	(1.002)	446069	50.0000	41.7	
114 n-Butylbenzene	91	14.711	14.711	(1.022)	818116	50.0000	50.8	
113 1,2-Dichlorobenzene	146	14.775	14.775	(1.027)	589576	50.0000	54.4	
115 1,2-Dibromo-3-Chloropropane	157	15.486	15.486	(1.076)	84419	50.0000	55.4	
116 1,2,4-Trichlorobenzene	180	16.114	16.114	(1.120)	265706	50.0000	53.4	
118 Hexachlorobutadiene	225	16.192	16.192	(1.125)	98181	50.0000	53.2	
117 Naphthalene	128	16.320	16.320	(1.134)	996506	50.0000	46.5	
119 1,2,3-Trichlorobenzene	180	16.518	16.518	(1.148)	279480	50.0000	52.8	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

168943

Data File: /var/chem/msv9.i/2071230.s.b/b0053.d

Page 1

Date : 30-DEC-2007 09:28

Client ID: V9STD050

Instrument: msv9.i

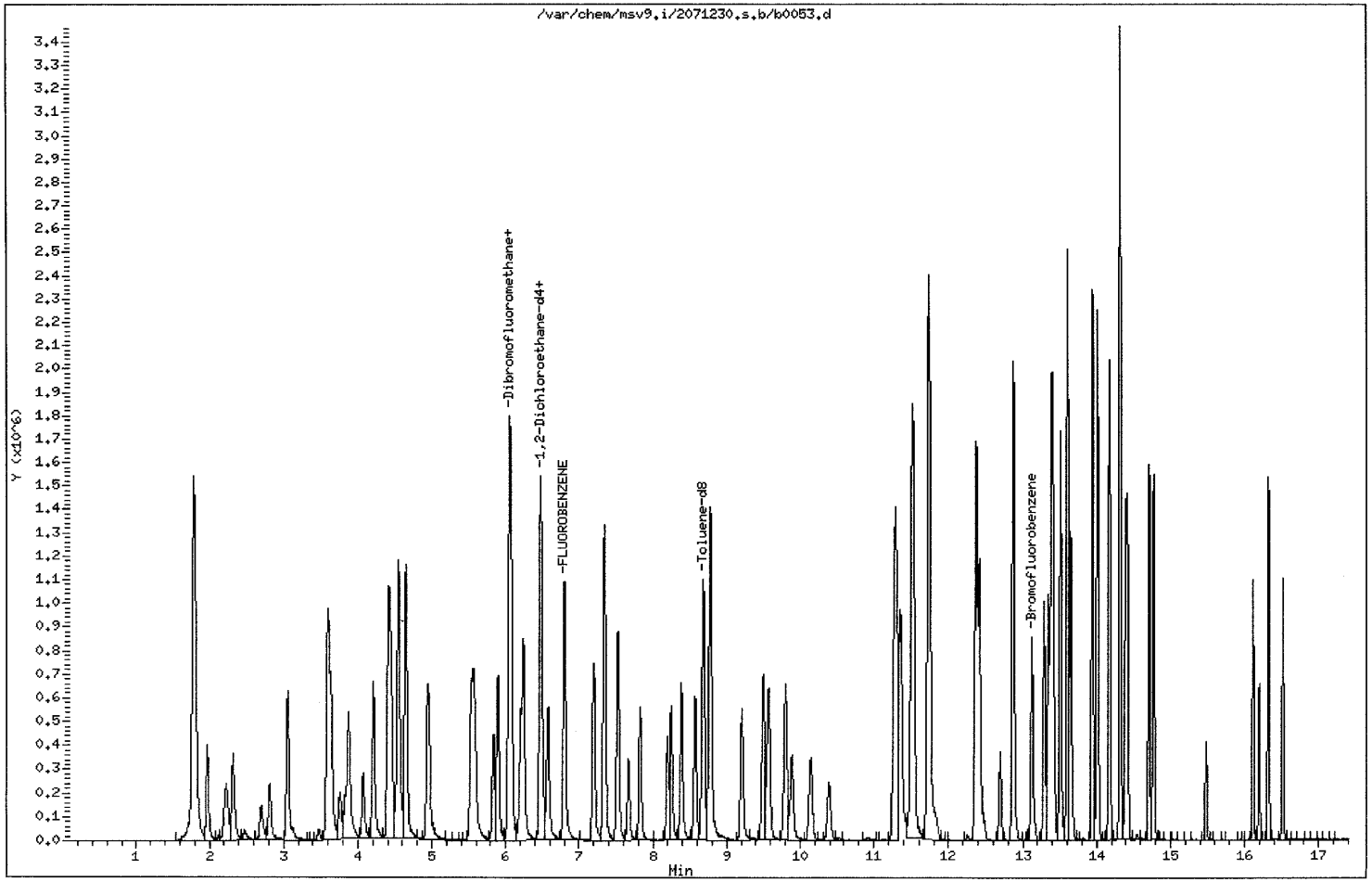
Sample Info: 1400*V9STD050*6-13-9

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-20M

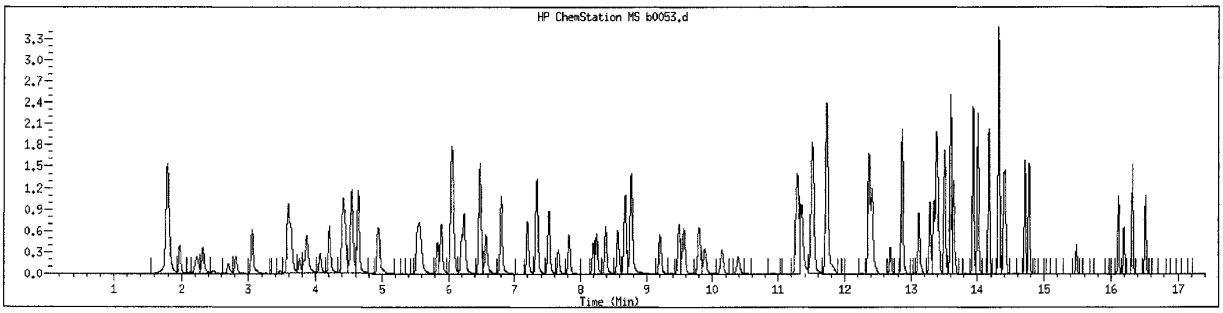
Column diameter: 0.18



Data file : /var/chem/msv9.i/2071230.s.b/b0053.d Page: 1
Report Date: 12/30/2007 16:47

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 12/30/2007 09:28	Instrument	: msv9.i
Operator	: JCK		
Sample Info	: 1400*V9STD050*6-13-9		
Misc Info	: MSV~12194~*1*JCK		
Method	: /var/chem/msv9.i/2071230.s.b/8260bw9.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

168945

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv9.i Injection Date: 30-DEC-2007 11:00
Lab File ID: b0056.d Init. Cal. Date(s): 20-DEC-2007 29-DEC-2007
Analysis Type: WATER Init. Cal. Times: 09:36 15:53
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv9.i/2071230.s.b/8260bw9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
12 Ethyl Ether	0.38531	0.31464	0.31464	0.050	-18.34140	30.00000	Averaged	
4 1-3 Butadiene	0.06769	0.25028	0.25028	0.050	270	30.00000	Averaged	<-
10 Acetonitrile	0.12294	0.11437	0.11437	0.050	-6.97418	30.00000	Averaged	
53 Ethyl Acetate	0.53603	0.52027	0.52027	0.050	-2.93949	30.00000	Averaged	
27 Chloroprene	0.50604	0.49354	0.49354	0.050	-2.46909	30.00000	Averaged	
17 Allyl chloride	0.43332	0.37097	0.37097	0.000	-14.38842	30.00000	Averaged	
24 Propionitrile	0.08775	0.08750	0.08750	0.000	-0.28340	30.00000	Averaged	
28 Isopropyl Ether	1.24894	1.42495	1.42495	0.050	14.09282	30.00000	Averaged	
30 Methylacrylonitrile	0.33659	0.39570	0.39570	0.050	17.55998	30.00000	Averaged	
34 Isobutyl Alcohol	260	250	0.01339	0.000	3.87357	0.000e+00	Quadratic	<-
35 Tetrahydrofuran	0.17690	0.19303	0.19303	0.050	9.11770	30.00000	Averaged	
40 n-Butanol	45.73850	50.00000	0.07522	0.000	-8.52299	0.000e+00	Linear	<-
48 2-3 Dichloro-1-Proprene	0.45195	0.48677	0.48677	0.000	7.70331	30.00000	Averaged	
49 2-Nitropropane	43.10790	50.00000	0.11906	0.050	-13.78419	0.000e+00	Linear	<-
51 1,4- Dioxane	1188	1250	0.00452	0.000	-4.99887	0.000e+00	Linear	<-
52 Methyl methacrylate	44.55241	50.00000	0.47968	0.000	-10.89517	0.000e+00	Linear	<-
59 1-Nitropropane	46.66809	50.00000	0.15158	0.050	-6.66381	0.000e+00	Linear	<-
64 Ethyl Methacrylate	48.90362	50.00000	1.33902	0.000	-2.19277	0.000e+00	Linear	<-
76 Cyclohexanone	90.64875	100	0.22634	0.000	-9.35125	0.000e+00	Linear	<-
84 Pentachloroethane	0.41379	0.63711	0.63711	0.001	53.97065	30.00000	Averaged	<-
99 Benzal Chloride	111	100	0.26107	0.010	11.05886	0.000e+00	Quadratic	<-

168946

GCAL, Inc.

Data file : /var/chem/msv9.i/2071230.s.b/b0056.d
Lab Smp Id: 1400 Client Smp ID: V9APP9STD
Inj Date : 30-DEC-2007 11:00
Operator : JCK Inst ID: msv9.i
Smp Info : 1400*V9APP9STD
Misc Info : MSV~12194~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Meth Date : 30-Dec-2007 16:47 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 14:50 Cal File: b0013.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	12 Ethyl Ether	59	3.372	3.372	(0.496)	1935969	250.000	204	9588
	4 1-3 Butadiene	39	2.355	2.355	(0.346)	307993	50.0000	185	9304
	10 Acetonitrile	41	4.145	4.145	(0.610)	703700	250.000	233	9669
	53 Ethyl Acetate	43	5.598	5.598	(0.824)	3201266	250.000	243	3959(H)
	27 Chloroprene	53	4.993	4.993	(0.735)	607360	50.0000	48.8	9574
	17 Allyl chloride	39	4.042	4.042	(0.595)	456519	50.0000	42.8	7707
	24 Propionitrile	54	5.751	5.751	(0.846)	538400	250.000	249	9402
	28 Isopropyl Ether	45	4.903	4.903	(0.721)	1753551	50.0000	57.0	9560
	30 Methylacrylonitrile	41	6.044	6.044	(0.889)	486947	50.0000	58.8	6210
	34 Isobutyl Alcohol	43	6.393	6.393	(0.941)	82372	250.000	260	7799(M2)
	35 Tetrahydrofuran	42	5.835	5.835	(0.858)	1187691	250.000	273	9623(A)
	40 n-Butanol	56	7.148	7.148	(1.052)	92566	50.0000	45.7	8939
*	50 FLUOROBENZENE	96	6.797	6.797	(1.000)	1230608	50.0000		
	48 2-3 Dichloro-1-Proprene	75	7.564	7.564	(1.113)	599021	50.0000	53.9	9280

168947

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
49 2-Nitropropane	43	9.257	9.257	(1.362)	146521	50.0000	43.1	7310
51 1,4- Dioxane	58	7.664	7.664	(1.128)	139166	1250.00	1190	8921
52 Methyl methacrylate	41	7.594	7.594	(1.117)	590302	50.0000	44.6	9671
59 1-Nitropropane	43	8.194	8.194	(1.206)	186531	50.0000	46.7	8857
64 Ethyl Methacrylate	41	9.240	9.240	(0.817)	634778	50.0000	48.9	9481
* 83 CHLOROBENZENE-d5	82	11.306	11.306	(1.000)	474061	50.0000		
76 Cyclohexanone	55	13.083	13.083	(1.157)	214596	100.000	90.6	9607
84 Pentachloroethane	167	13.994	13.994	(0.972)	201085	50.0000	77.0	9388
* 109 1,4-DICHLOROBENZENE-D4	152	14.393	14.393	(1.000)	315621	50.0000		
99 Benzal Chloride	125	15.899	15.899	(1.105)	164800	100.000	111	8175

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M2- Compound response manually integrated because Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

168948

Data File: /var/chem/msv9.i/2071230.s.b/b0056.d

Page 1

Date : 30-DEC-2007 11:00

Client ID: W9APP9STD

Instrument: msv9.i

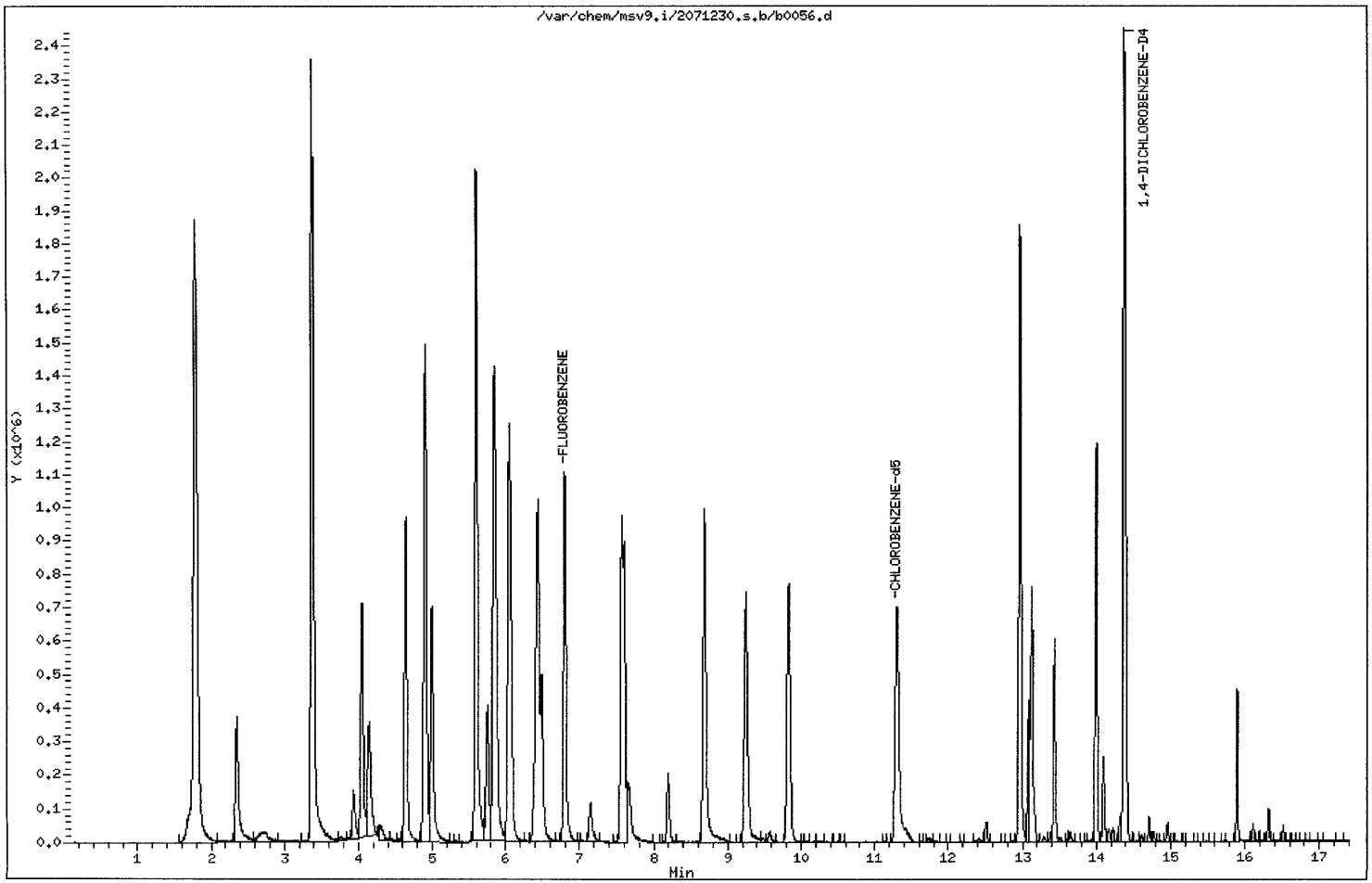
Sample Info: 1400*W9APP9STD

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-20M

Column diameter: 0.18

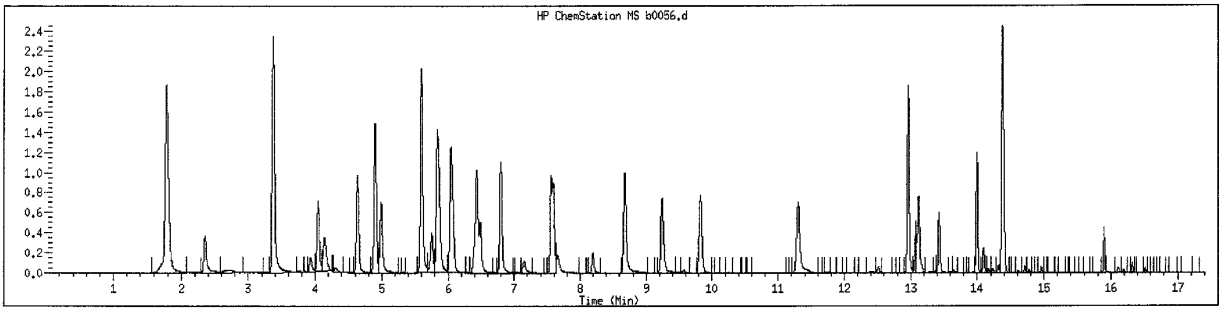


168949

Data file : /var/chem/msv9.i/2071230.s.b/b0056.d Page: 1
Report Date: 12/30/2007 16:47

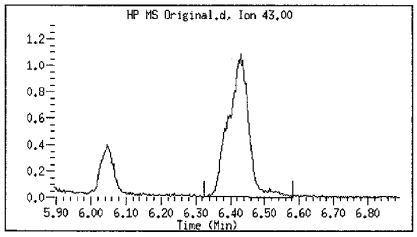
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1400 SampleType : CCALIB_3
Injection Date: 12/30/2007 11:00 Instrument : msv9.i
Operator : JCK
Sample Info : 1400*V9APP9STD
Misc Info : MSV~12194~*1*JCK
Method : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



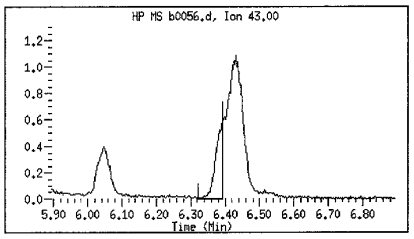
Original Final

34 Isobutyl Alcohol CAS#: 78-83-1 Reason: M2



Electronic Signature
Applied

User: jck
Date: 12/30/2007 11:27



M2 - Target system integrated incorrectly

168950

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB560387

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 560387

Level: (low/med) LOW

Lab File ID: 2071230/b0058

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-VRX-20M ID: .18 (mm)

Date Received:

Instrument ID: MSV9

Date Analyzed: 12/30/07 Time: 1146

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.025	U	0.000690	0.025
107-02-8	Acrolein	0.025	U	0.00132	0.025
107-13-1	Acrylonitrile	0.025	U	0.000727	0.025
75-27-4	Bromodichloromethane	0.00500	U	0.000079	0.00500
75-25-2	Bromoform	0.00500	U	0.000065	0.00500
74-83-9	Bromomethane	0.00500	U	0.000252	0.00500
75-15-0	Carbon disulfide	0.00500	U	0.000099	0.00500
56-23-5	Carbon tetrachloride	0.00500	U	0.000124	0.00500
75-00-3	Chloroethane	0.00500	U	0.000060	0.00500
136777-61-	m,p-Xylene	0.00500	U	0.000476	0.00500
67-66-3	Chloroform	0.00500	U	0.000062	0.00500
74-87-3	Chloromethane	0.00500	U	0.000244	0.00500
124-48-1	Dibromochloromethane	0.00500	U	0.000050	0.00500
74-95-3	Dibromomethane	0.00500	U	0.000128	0.00500
75-71-8	Dichlorodifluoromethane	0.00500	U	0.000168	0.00500
75-34-3	1,1-Dichloroethane	0.00500	U	0.000125	0.00500
107-06-2	1,2-Dichloroethane	0.00500	U	0.000184	0.00500
156-59-2	cis-1,2-Dichloroethene	0.00500	U	0.000154	0.00500
156-60-5	trans-1,2-Dichloroethene	0.00500	U	0.000113	0.00500
75-09-2	Methylene chloride	0.010	U	0.000104	0.010
78-87-5	1,2-Dichloropropane	0.00500	U	0.000099	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.00500	U	0.000064	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.00500	U	0.000101	0.00500
100-41-4	Ethylbenzene	0.00500	U	0.000077	0.00500
591-78-6	2-Hexanone	0.00500	U	0.000151	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.00500	U	0.000050	0.00500
78-93-3	2-Butanone	0.00500	U	0.000361	0.00500
74-88-4	Methyl iodide	0.00500	U	0.000126	0.00500
108-10-1	4-Methyl-2-pentanone	0.00500	U	0.000088	0.00500
103-65-1	n-Propylbenzene	0.00500	U	0.000087	0.00500
100-42-5	Styrene	0.00500	U	0.000050	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB560387

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Level: (low/med) LOW

% Moisture: not dec.

GC Column: DB-VRX-20M ID: .18 (mm)

Instrument ID: MSV9

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 560387

Lab File ID: 2071230/b0058

Date Collected: Time:

Date Received:

Date Analyzed: 12/30/07 Time: 1146

Dilution Factor: 1 Analyst: JCK

Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.00500	U	0.000080	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.00500	U	0.000086	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.00500	U	0.000156	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.00500	U	0.000413	0.00500
71-55-6	1,1,1-Trichloroethane	0.00500	U	0.000155	0.00500
79-00-5	1,1,2-Trichloroethane	0.00500	U	0.000067	0.00500
75-69-4	Trichlorofluoromethane	0.00500	U	0.000141	0.00500
96-18-4	1,2,3-Trichloropropane	0.00500	U	0.000151	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.00500	U	0.000079	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.00500	U	0.000085	0.00500
75-01-4	Vinyl chloride	0.00500	U	0.000163	0.00500
95-47-6	o-Xylene	0.00500	U	0.000058	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.00500	U	0.000181	0.00500
106-93-4	1,2-Dibromoethane	0.00500	U	0.000101	0.00500
108-05-4	Vinyl acetate	0.00500	U	0.000207	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00500	U	0.000110	0.00500
540-59-0	1,2-Dichloroethene	0.010	U	0.000267	0.010
99-87-6	4-Isopropyltoluene	0.00500	U	0.000063	0.00500
1330-20-7	Xylene (total)	0.010	U	0.000535	0.010
108-87-2	Methylcyclohexane	0.00500	U	0.000201	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.00500	U	0.000394	0.00500
110-82-7	Cyclohexane	0.00500	U	0.000101	0.00500
594-20-7	2,2-Dichloropropane	0.00500	U	0.000195	0.00500
79-20-9	Methyl Acetate	0.00500	U	0.000431	0.00500
76-13-1	Trichlorotrifluoroethane	0.00500	U	0.000168	0.00500
563-58-6	1,1-Dichloropropene	0.00500	U	0.000170	0.00500
110-75-8	2-Chloroethylvinyl ether	0.00500	U	0.000547	0.00500
142-28-9	1,3-Dichloropropane	0.00500	U	0.000064	0.00500
108-86-1	Bromobenzene	0.00500	U	0.000091	0.00500
95-49-8	2-Chlorotoluene	0.00500	U	0.000092	0.00500
106-43-4	4-Chlorotoluene	0.00500	U	0.000106	0.00500
98-06-6	tert-Butylbenzene	0.00500	U	0.000065	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB560387

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 560387

Level: (low/med) LOW

Lab File ID: 2071230/b0058

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-VRX-20M ID: .18 (mm)

Date Received:

Instrument ID: MSV9

Date Analyzed: 12/30/07 Time: 1146

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
135-98-8	sec-Butylbenzene	0.00500	U	0.000082	0.00500
541-73-1	1,3-Dichlorobenzene	0.00500	U	0.000134	0.00500
106-46-7	1,4-Dichlorobenzene	0.00500	U	0.000162	0.00500
104-51-8	n-Butylbenzene	0.00500	U	0.000128	0.00500
95-50-1	1,2-Dichlorobenzene	0.00500	U	0.000112	0.00500
87-68-3	Hexachlorobutadiene	0.00500	U	0.000455	0.00500
91-20-3	Naphthalene	0.00500	U	0.000369	0.00500
71-36-3	n-Butyl alcohol	0.025	U	0.025	0.025
75-35-4	1,1-Dichloroethene	0.00500	U	0.000226	0.00500
71-43-2	Benzene	0.00500	U	0.000184	0.00500
79-01-6	Trichloroethene	0.00500	U	0.000123	0.00500
108-88-3	Toluene	0.00500	U	0.000093	0.00500
108-90-7	Chlorobenzene	0.00500	U	0.000051	0.00500

GCAL, Inc.

Data file : /var/chem/msv9.i/2071230.s.b/b0058.d
Lab Smp Id: 560387 Client Smp ID: MB for HBN 364394
Inj Date : 30-DEC-2007 11:46
Operator : JCK Inst ID: msv9.i
Smp Info : 560387*MB for HBN 364394
Misc Info : MSV~12194~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Meth Date : 30-Dec-2007 16:47 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 14:50 Cal File: b0013.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
$ 39 Dibromofluoromethane	111	6.078	6.078	(0.894)	259680	46.3316	46.3	9310
$ 41 1,2-Dichloroethane-d4	67	6.493	6.488	(0.955)	181093	47.4856	47.5	
* 50 FLUOROBENZENE	96	6.800	6.797	(1.000)	1149711	50.0000		
$ 68 Toluene-d8	98	8.679	8.677	(0.768)	959771	55.1046	55.1	
* 83 CHLOROBENZENE-d5	82	11.301	11.303	(1.000)	425074	50.0000		
$ 97 Bromofluorobenzene	174	13.124	13.119	(1.161)	190379	46.6011	46.6	
* 109 1,4-DICHLOROBENZENE-D4	152	14.393	14.393	(1.000)	266157	50.0000		

168954

Data File: /var/chem/msv9.i/2071230.s.b/b0058.d

Page 1

Date : 30-DEC-2007 11:46

Client ID: MB for HBN 364394

Instrument: msv9.i

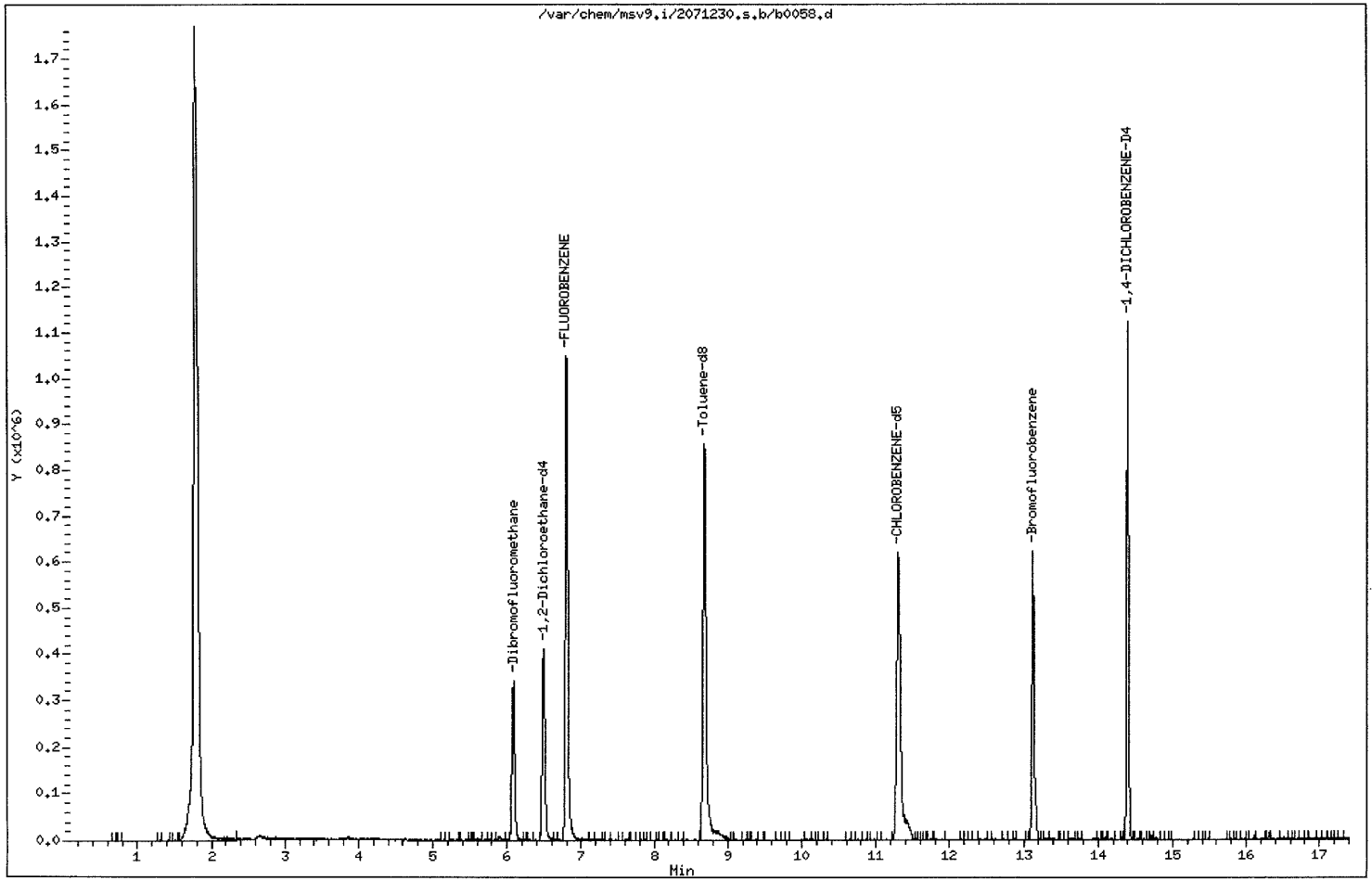
Sample Info: 560387*MB for HBN 364394

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-20M

Column diameter: 0.18

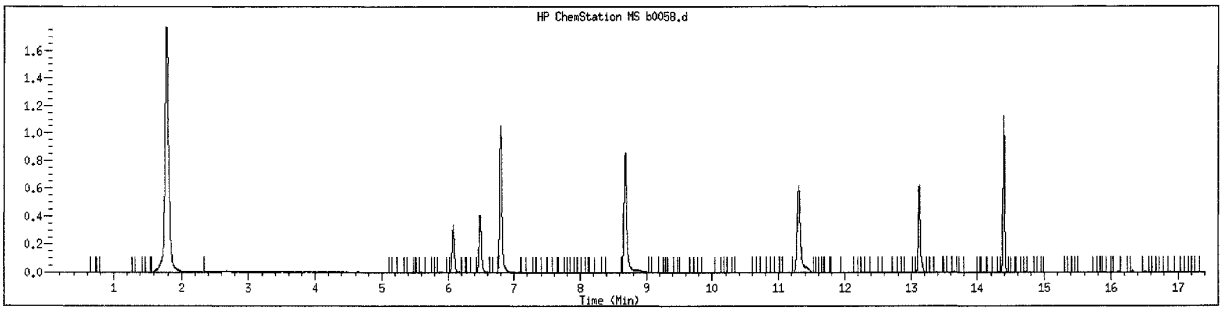


168955

Data file : /var/chem/msv9.i/2071230.s.b/b0058.d Page: 1
Report Date: 12/30/2007 16:50

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 560387 SampleType : BLANK
Injection Date: 12/30/2007 11:46 Instrument : msv9.i
Operator : JCK
Sample Info : 560387*MB for HBN 364394
Misc Info : MSV~12194~*1*JCK
Method : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

168956

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB560450

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g

Lab Sample ID: 560450

Level: (low/med) LOW

Lab File ID: 2071231/x1940

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm)

Date Received:

Instrument ID: MSV0

Date Analyzed: 12/31/07 Time: 1254

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.025	U	0.000374	0.025
107-02-8	Acrolein	0.025	U	0.00234	0.025
107-13-1	Acrylonitrile	0.025	U	0.000712	0.025
75-27-4	Bromodichloromethane	0.00500	U	0.000135	0.00500
75-25-2	Bromoform	0.00500	U	0.000169	0.00500
74-83-9	Bromomethane	0.00500	U	0.00151	0.00500
75-15-0	Carbon disulfide	0.00500	U	0.000109	0.00500
56-23-5	Carbon tetrachloride	0.00500	U	0.000120	0.00500
75-00-3	Chloroethane	0.00500	U	0.000606	0.00500
136777-61-	m,p-Xylene	0.00500	U	0.000398	0.00500
67-66-3	Chloroform	0.00500	U	0.000141	0.00500
74-87-3	Chloromethane	0.00500	U	0.000464	0.00500
124-48-1	Dibromochloromethane	0.00500	U	0.000090	0.00500
74-95-3	Dibromomethane	0.00500	U	0.000156	0.00500
75-71-8	Dichlorodifluoromethane	0.00500	U	0.000364	0.00500
75-34-3	1,1-Dichloroethane	0.00500	U	0.000159	0.00500
107-06-2	1,2-Dichloroethane	0.00500	U	0.000114	0.00500
156-59-2	cis-1,2-Dichloroethene	0.00500	U	0.000126	0.00500
156-60-5	trans-1,2-Dichloroethene	0.00500	U	0.000164	0.00500
75-09-2	Methylene chloride	0.010	U	0.000479	0.010
78-87-5	1,2-Dichloropropane	0.00500	U	0.000112	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.00500	U	0.000115	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.00500	U	0.000141	0.00500
100-41-4	Ethylbenzene	0.00500	U	0.000207	0.00500
591-78-6	2-Hexanone	0.00500	U	0.000826	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.00500	U	0.000153	0.00500
78-93-3	2-Butanone	0.00500	U	0.000312	0.00500
74-88-4	Methyl iodide	0.00500	U	0.000906	0.00500
108-10-1	4-Methyl-2-pentanone	0.00500	U	0.000173	0.00500
103-65-1	n-Propylbenzene	0.00500	U	0.000140	0.00500
100-42-5	Styrene	0.00500	U	0.000152	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB560450

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g

Lab Sample ID: 560450

Level: (low/med) LOW

Lab File ID: 2071231/x1940

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm)

Date Received:

Instrument ID: MSV0

Date Analyzed: 12/31/07 Time: 1254

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.00500	U	0.000192	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.00500	U	0.000176	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.00500	U	0.000180	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.00500	U	0.000327	0.00500
71-55-6	1,1,1-Trichloroethane	0.00500	U	0.000123	0.00500
79-00-5	1,1,2-Trichloroethane	0.00500	U	0.000114	0.00500
75-69-4	Trichlorofluoromethane	0.00500	U	0.000252	0.00500
96-18-4	1,2,3-Trichloropropane	0.00200	U	0.000245	0.00200
95-63-6	1,2,4-Trimethylbenzene	0.00500	U	0.000198	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.00500	U	0.000163	0.00500
75-01-4	Vinyl chloride	0.00500	U	0.000351	0.00500
95-47-6	o-Xylene	0.00500	U	0.000174	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.00500	U	0.000866	0.00500
106-93-4	1,2-Dibromoethane	0.00500	U	0.000150	0.00500
108-05-4	Vinyl acetate	0.00500	U	0.000979	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00500	U	0.000074	0.00500
540-59-0	1,2-Dichloroethene	0.010	U	0.000290	0.010
99-87-6	4-Isopropyltoluene	0.00500	U	0.000161	0.00500
1330-20-7	Xylene (total)	0.010	U	0.000572	0.010
108-87-2	Methylcyclohexane	0.00500	U	0.000370	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.00500	U	0.000721	0.00500
594-20-7	2,2-Dichloropropane	0.00500	U	0.000176	0.00500
79-20-9	Methyl Acetate	0.00500	U	0.00153	0.00500
76-13-1	Trichlorotrifluoroethane	0.00500	U	0.000188	0.00500
563-58-6	1,1-Dichloropropene	0.00500	U	0.000130	0.00500
110-75-8	2-Chloroethylvinyl ether	0.00500	U	0.000197	0.00500
142-28-9	1,3-Dichloropropane	0.00500	U	0.000136	0.00500
108-86-1	Bromobenzene	0.00500	U	0.000235	0.00500
95-49-8	2-Chlorotoluene	0.00500	U	0.000150	0.00500
106-43-4	4-Chlorotoluene	0.00500	U	0.000325	0.00500
98-06-6	tert-Butylbenzene	0.00500	U	0.000252	0.00500
135-98-8	sec-Butylbenzene	0.00500	U	0.000117	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB560450

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g

Lab Sample ID: 560450

Level: (low/med) LOW

Lab File ID: 2071231/x1940

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm)

Date Received:

Instrument ID: MSV0

Date Analyzed: 12/31/07 Time: 1254

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	0.00500	U	0.000236	0.00500
106-46-7	1,4-Dichlorobenzene	0.00500	U	0.000421	0.00500
104-51-8	n-Butylbenzene	0.00500	U	0.000178	0.00500
95-50-1	1,2-Dichlorobenzene	0.00500	U	0.000114	0.00500
87-68-3	Hexachlorobutadiene	0.00500	U	0.00125	0.00500
91-20-3	Naphthalene	0.00500	U	0.000376	0.00500
71-36-3	n-Butyl alcohol	0.025	U	0.00100	0.025
75-35-4	1,1-Dichloroethene	0.00500	U	0.000359	0.00500
71-43-2	Benzene	0.00500	U	0.000104	0.00500
79-01-6	Trichloroethene	0.00500	U	0.000177	0.00500
108-88-3	Toluene	0.00500	U	0.000550	0.00500
108-90-7	Chlorobenzene	0.00500	U	0.000165	0.00500

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Data file : /var/chem/msv0.i/2071231.b/x1940.d
Lab Smp Id: 560450 Client Smp ID: MB FOR HBN 364414
Inj Date : 31-DEC-2007 12:54
Operator : KCB Inst ID: msv0.i
Smp Info : 560450*MB FOR HBN 364414
Misc Info : MSV~12197~*1*AJV
Comment :
Method : /var/chem/msv0.i/2071231.b/8260Bs0.m
Meth Date : 31-Dec-2007 13:34 kcb Quant Type: ISTD
Cal Date : 12-DEC-2007 05:17 Cal File: x1341.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
$ 41 Dibromofluoromethane	111	5.686	5.687	(0.875)	123479	58.7410	58.7	5005
$ 47 1,2-Dichloroethane-d4	67	6.226	6.227	(0.958)	68516	61.1274	61.1	9754
* 49 FLUOROBENZENE	96	6.500	6.500	(1.000)	509295	50.0000		9654
$ 67 Toluene-d8	98	7.953	7.953	(0.856)	456126	58.9626	59.0	9788
* 85 Chlorobenzene-d5	82	9.292	9.293	(1.000)	229119	50.0000		2142
$ 98 Bromofluorobenzene	174	10.325	10.326	(1.111)	159361	53.2554	53.3	9836
* 115 1,4-DICHLOROBENZENE-D4	152	11.292	11.293	(1.000)	231469	50.0000		4060

168960

Data File: /var/chem/msv0.i/2071231.b/x1940.d

Page 1

Date : 31-DEC-2007 12:54

Client ID: MB FOR HBN 364414

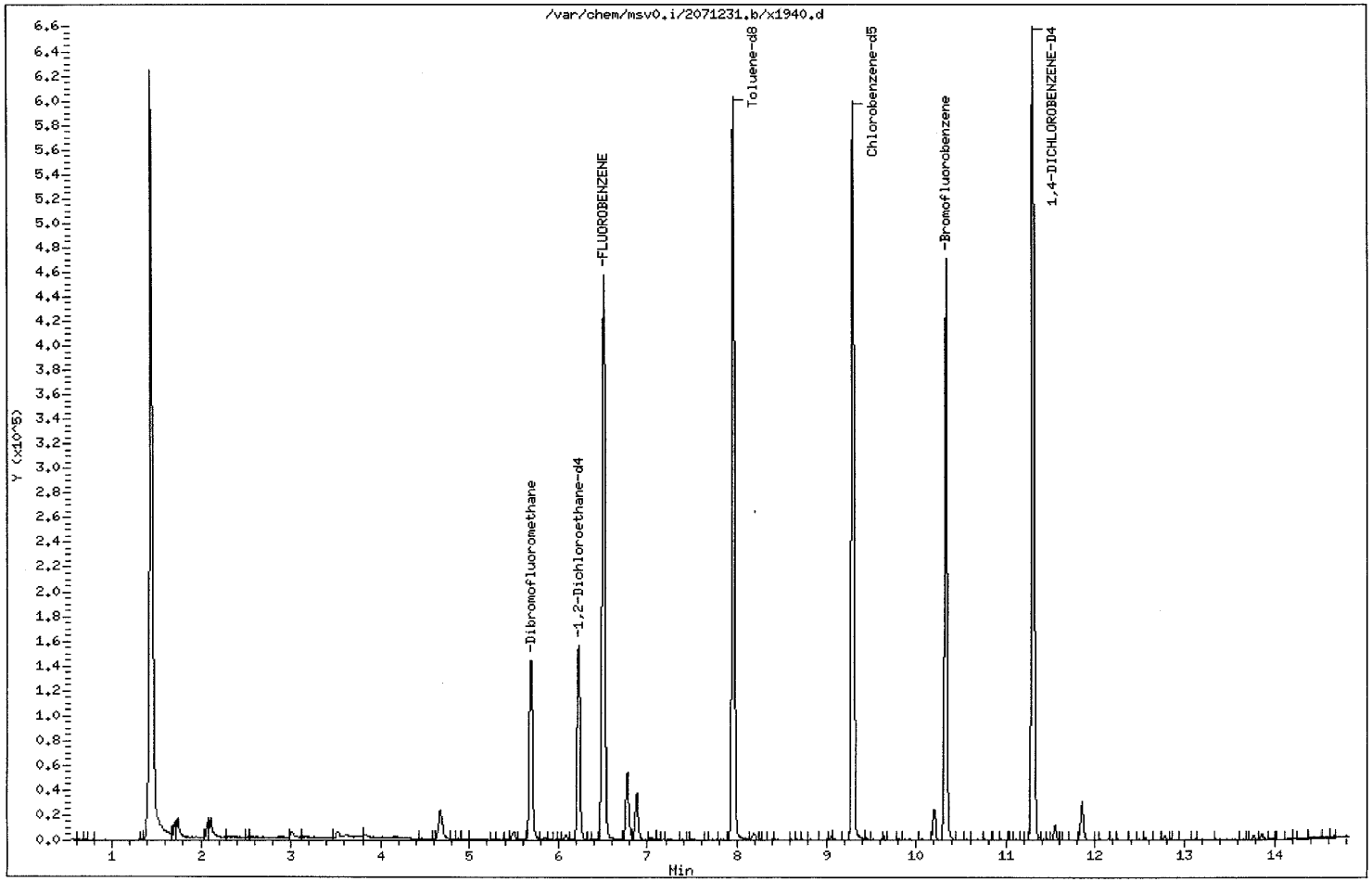
Instrument: msv0.i

Sample Info: 560450*MB FOR HBN 364414

Operator: KCB

Column phase: DB-624-30M

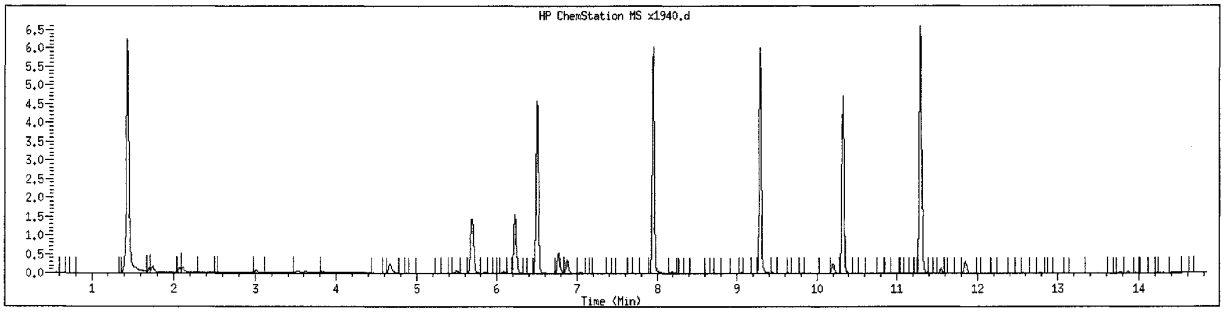
Column diameter: 0.53



Data file : /var/chem/msv0.i/2071231.b/x1940.d Page: 1
Report Date: 12/31/2007 13:34

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 560450	SampleType	: BLANK
Injection Date	: 12/31/2007 12:54	Instrument	: msv0.i
Operator	: KCB		
Sample Info	: 560450*MB FOR HBN 364414		
Misc Info	: MSV~12197~*1*AJV		
Method	: /var/chem/msv0.i/2071231.b/8260Bs0.m		
Dilution	: 1.00		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB560658

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g

Lab Sample ID: 560658

Level: (low/med) LOW

Lab File ID: 2080102/c9405

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-VRX-20M ID: .18 (mm)

Date Received:

Instrument ID: MSV7

Date Analyzed: 01/02/08 Time: 1211

Soil Extract Volume: (µL)

Dilution Factor: 50 Analyst: EGW

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364472

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	0.250	U	0.00984	0.250

FORM I VOA

168963

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Data file : /var/chem/msv7.i/2080102.s.b/c9405.d
Lab Smp Id: 560658 Client Smp ID: MB FOR HBN 364472
Inj Date : 02-JAN-2008 12:11
Operator : EGW Inst ID: msv7.i
Smp Info : 560658*MB FOR HBN 364472
Misc Info : MSV~12203~*50*EGW
Comment :
Method : /var/chem/msv7.i/2080102.s.b/8260bw7C.m
Meth Date : 03-Jan-2008 09:27 kcb Quant Type: ISTD
Cal Date : 28-DEC-2007 22:29 Cal File: c9278.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100))/5000 * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
m	0.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
$ 40 Dibromofluoromethane	111	5.431	5.431	(0.858)	773758	45.6109	2280	9553
$ 50 1,2-Dichloroethane-d4	67	6.014	6.017	(0.950)	438515	44.6668	2230	
* 53 FLUOROBENZENE	96	6.332	6.329	(1.000)	2587011	50.0000		
$ 68 Toluene-d8	98	8.164	8.164	(0.820)	2343814	57.5684	2880	
* 84 CHLOROBENZENE-d5	82	9.952	9.952	(1.000)	1073165	50.0000		
$ 95 Bromofluorobenzene	174	11.092	11.089	(1.115)	1040158	47.4829	2370	
97 n-Propylbenzene	91	11.212	11.212	(0.934)	6249	1.36206	68.1	
107 1,2,4-Trimethylbenzene	105	11.700	11.695	(0.975)	2694	1.21796	60.9	
* 114 1,4-DICHLOROBENZENE-D4	152	11.999	11.999	(1.000)	1238738	50.0000		
124 Naphthalene	128	13.638	13.636	(1.137)	12816	1.58019	79.0	

168964

Data File: /var/chem/msv7.i/2080102.s.b/c9405.d

Page 1

Date : 02-JAN-2008 12:11

Client ID: MB FOR HBN 364472

Instrument: msv7.i

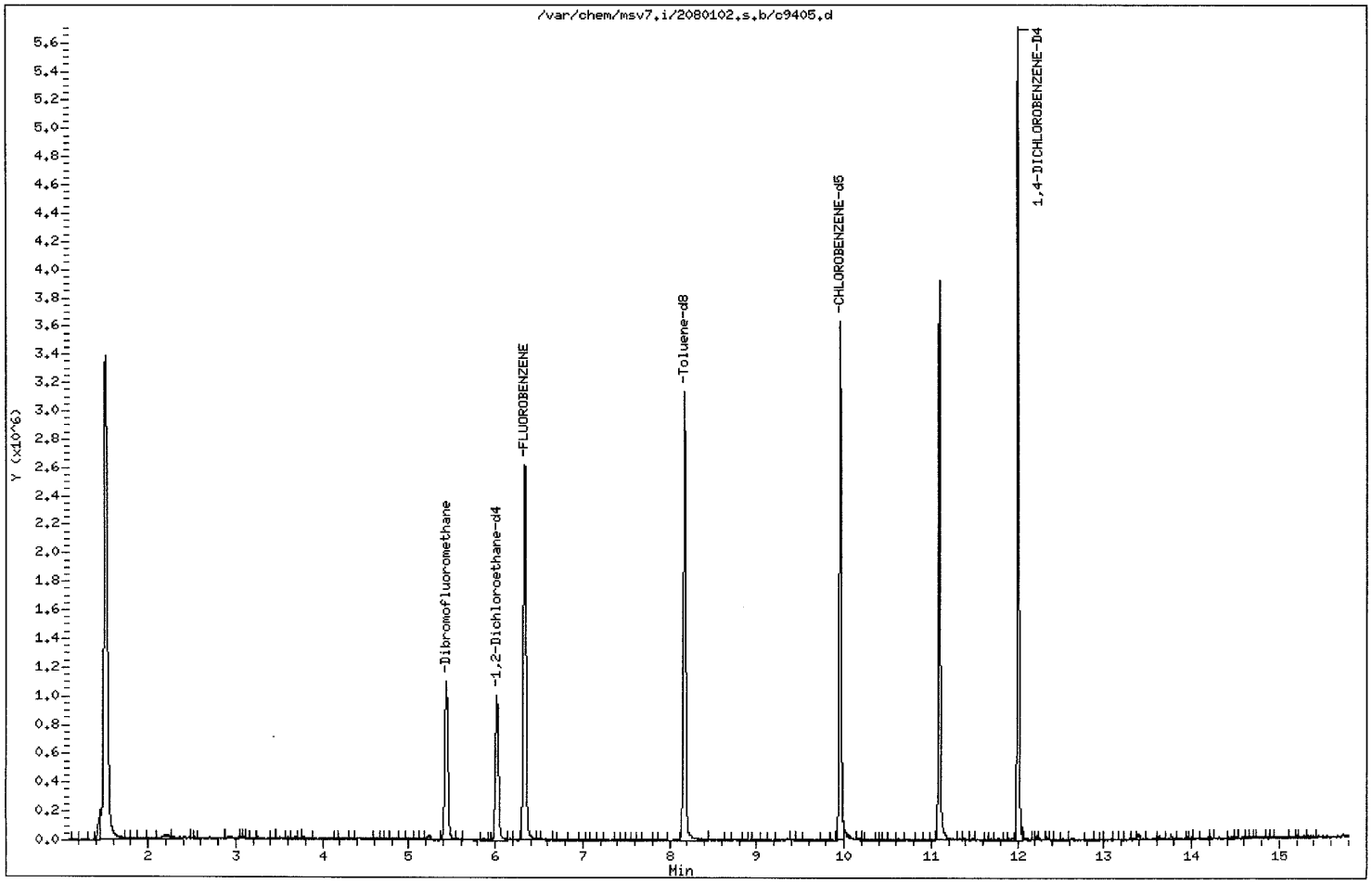
Sample Info: 560658%MB FOR HBN 364472

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-20M

Column diameter: 0.18



Data File: /var/chem/msv7.i/2080102.s.b/c9405.d

Date : 02-JAN-2008 12:11

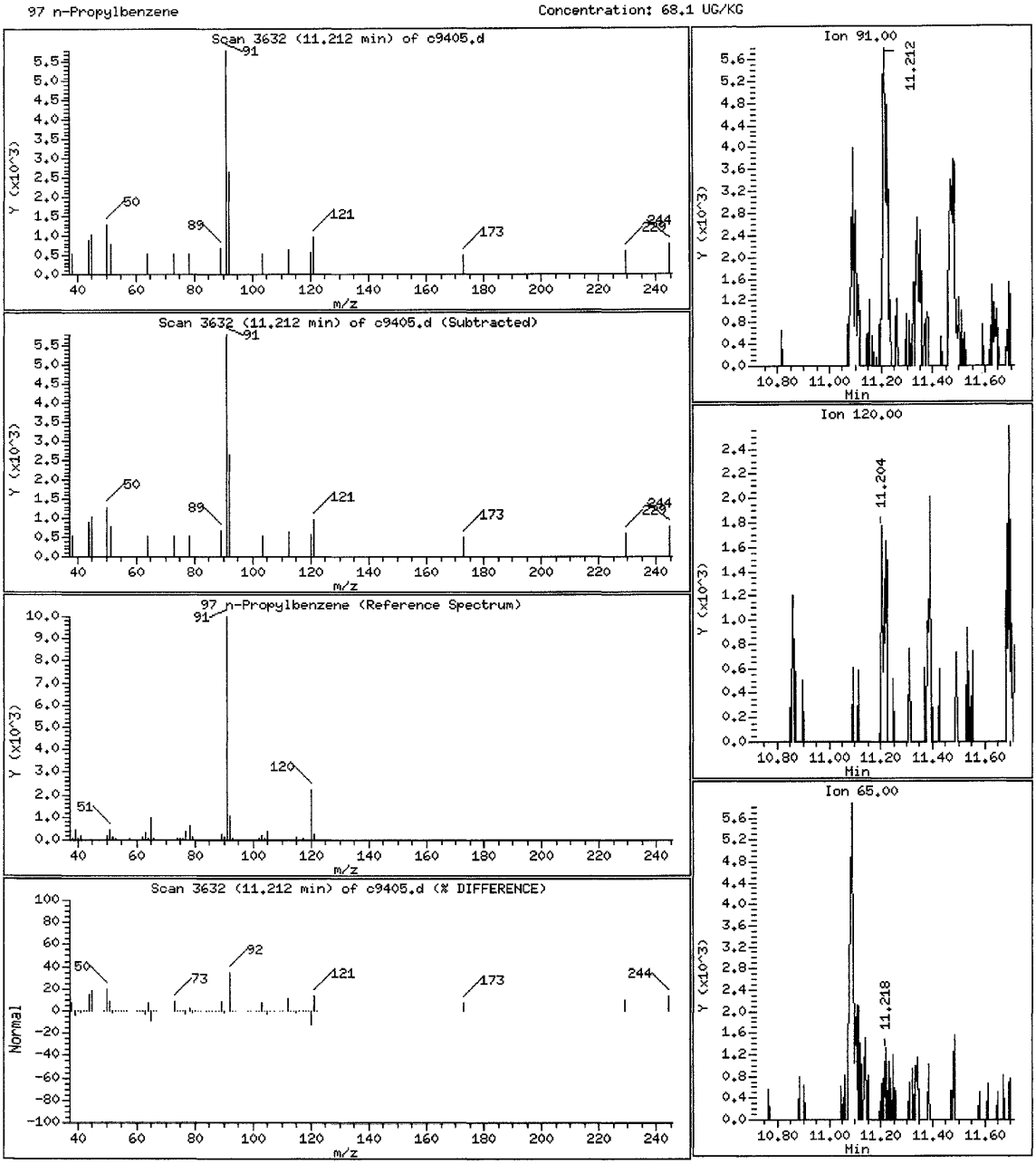
Client ID: MB FOR HBN 364472 Instrument: msv7.i

Sample Info: 560658*MB FOR HBN 364472

Purge Volume: 5.0 Operator: EGW

Column phase: DB-WRX-20M Column diameter: 0.18

97 n-Propylbenzene Concentration: 68.1 UG/KG



Data File: /var/chem/msv7.i/2080102.s.b/c9405.d

Date : 02-JAN-2008 12:11

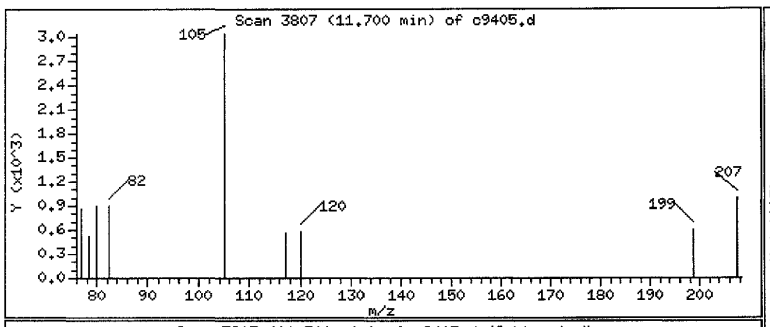
Client ID: MB FOR HBN 364472 Instrument: msv7.i

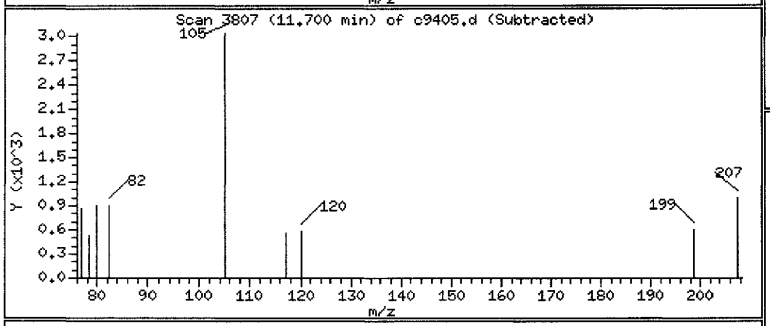
Sample Info: 560658*MB FOR HBN 364472

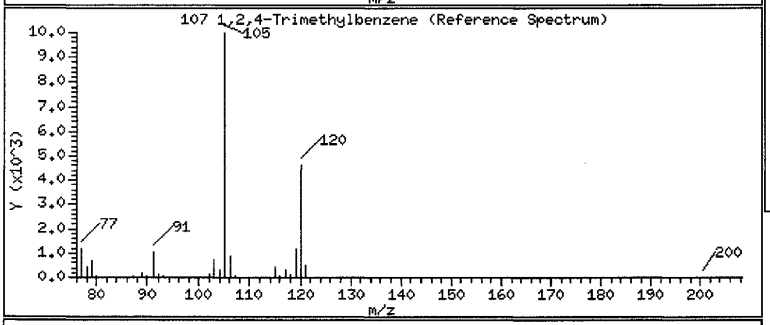
Purge Volume: 5.0 Operator: EGW

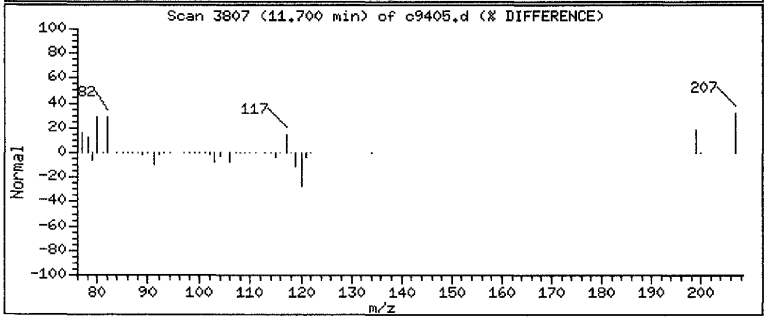
Column phase: DB-VRX-20M Column diameter: 0.18

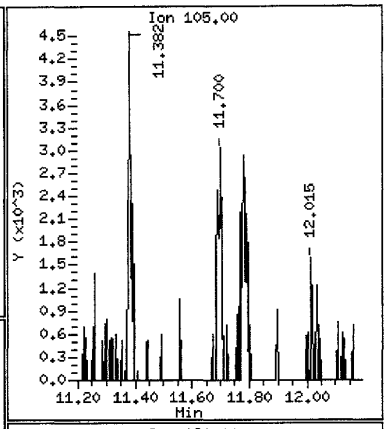
107 1,2,4-Trimethylbenzene Concentration: 60.9 UG/KG

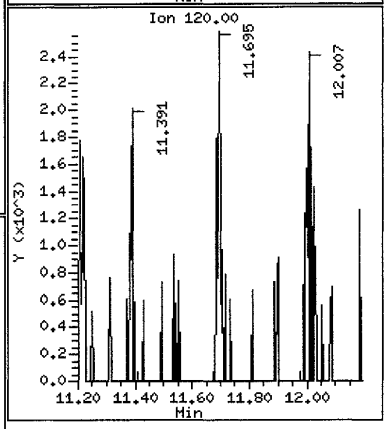












Data File: /var/chem/msv7.i/2080102.s.b/c9405.d

Date : 02-JAN-2008 12:11

Client ID: MB FOR HBN 364472

Instrument: msv7.i

Sample Info: 560658*MB FOR HBN 364472

Purge Volume: 5.0

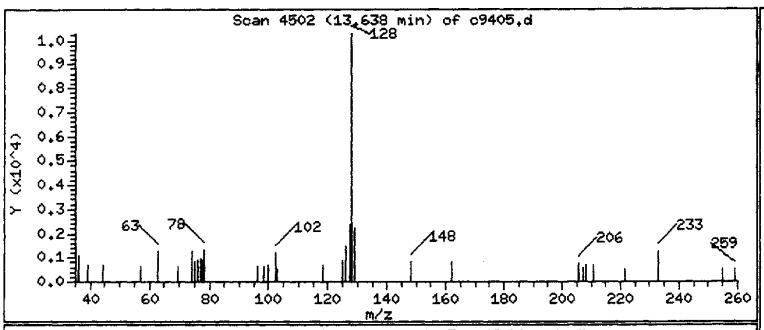
Operator: EGW

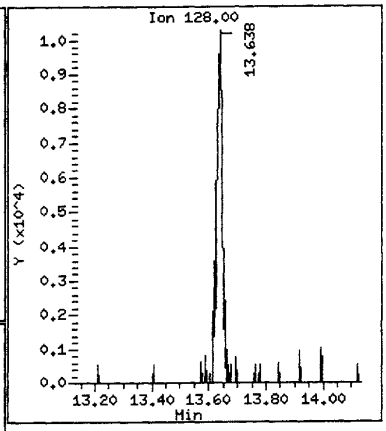
Column phase: DB-VRX-20M

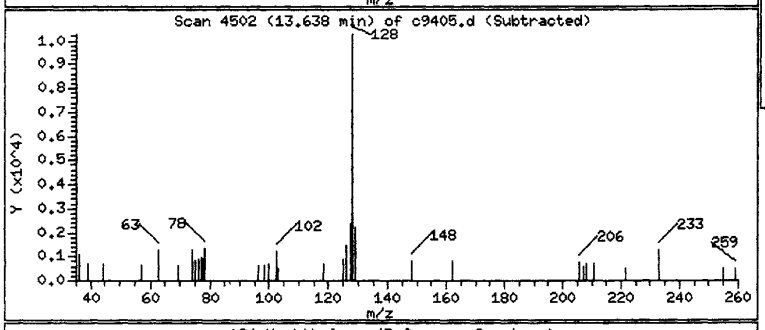
Column diameter: 0.18

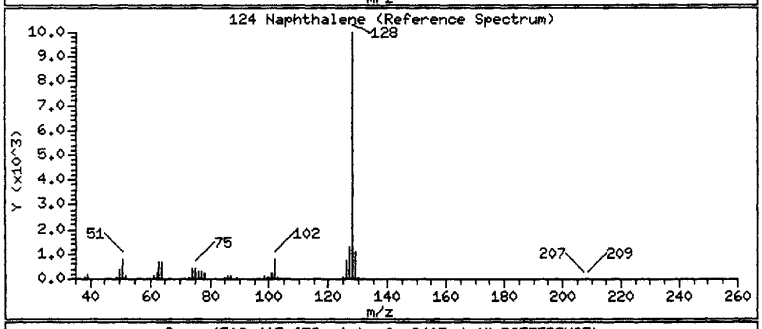
124 Naphthalene

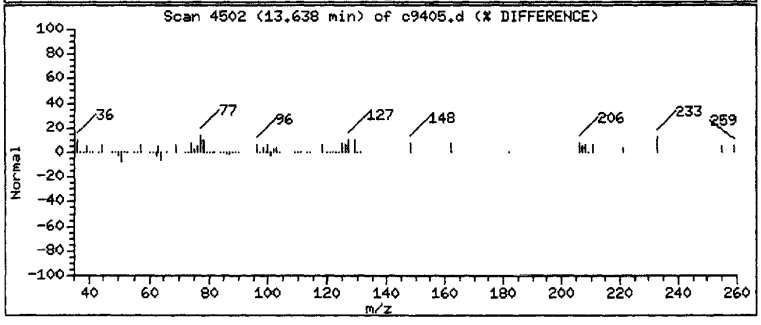
Concentration: 79.0 UG/KG







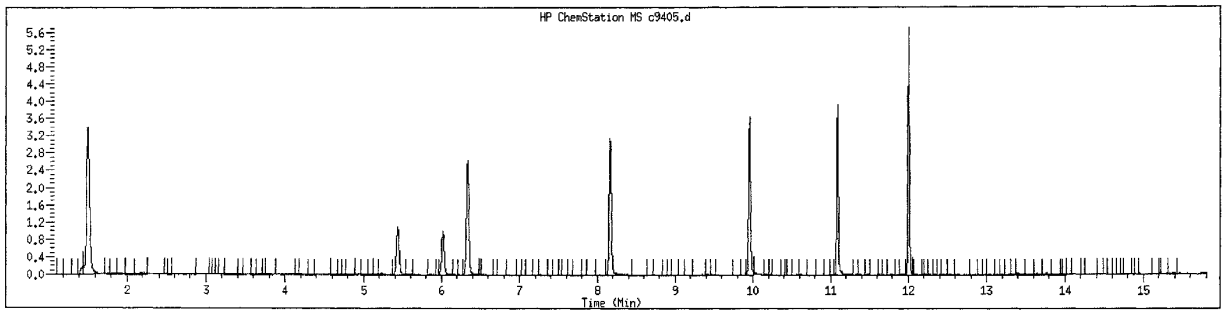




Data file : /var/chem/msv7.i/2080102.s.b/c9405.d Page: 1
Report Date: 01/03/2008 09:28

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 560658	SampleType	: BLANK
Injection Date	: 01/02/2008 12:11	Instrument	: msv7.i
Operator	: EGW		
Sample Info	: 560658*MB FOR HBN 364472		
Misc Info	: MSV~12203~*50*EGW		
Method	: /var/chem/msv7.i/2080102.s.b/8260bw7C.m		
Dilution	: 50.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

168969

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS560388

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 560388

Level: (low/med) LOW Lab File ID: 2071230/b0054

% Moisture: not dec. Date Collected: Time:

GC Column: DB-VRX-20M ID: .18 (mm) Date Received:

Instrument ID: MSV9 Date Analyzed: 12/30/07 Time: 1011

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.028		0.000690	0.025
107-02-8	Acrolein	0.136		0.00132	0.025
107-13-1	Acrylonitrile	0.128		0.000727	0.025
75-27-4	Bromodichloromethane	0.024		0.000079	0.00500
75-25-2	Bromoform	0.026		0.000065	0.00500
74-83-9	Bromomethane	0.029		0.000252	0.00500
75-15-0	Carbon disulfide	0.028		0.000099	0.00500
56-23-5	Carbon tetrachloride	0.024		0.000124	0.00500
75-00-3	Chloroethane	0.028		0.000060	0.00500
136777-61-	m,p-Xylene	0.046		0.000476	0.00500
67-66-3	Chloroform	0.022		0.000062	0.00500
74-87-3	Chloromethane	0.025		0.000244	0.00500
124-48-1	Dibromochloromethane	0.027		0.000050	0.00500
74-95-3	Dibromomethane	0.025		0.000128	0.00500
75-71-8	Dichlorodifluoromethane	0.024		0.000168	0.00500
75-34-3	1,1-Dichloroethane	0.023		0.000125	0.00500
107-06-2	1,2-Dichloroethane	0.024		0.000184	0.00500
156-59-2	cis-1,2-Dichloroethene	0.025		0.000154	0.00500
156-60-5	trans-1,2-Dichloroethene	0.024		0.000113	0.00500
75-09-2	Methylene chloride	0.025		0.000104	0.010
78-87-5	1,2-Dichloropropane	0.024		0.000099	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.026		0.000064	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.026		0.000101	0.00500
100-41-4	Ethylbenzene	0.026		0.000077	0.00500
591-78-6	2-Hexanone	0.027		0.000151	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.025		0.000050	0.00500
78-93-3	2-Butanone	0.025		0.000361	0.00500
74-88-4	Methyl iodide	0.026		0.000126	0.00500
108-10-1	4-Methyl-2-pentanone	0.022		0.000088	0.00500
103-65-1	n-Propylbenzene	0.029		0.000087	0.00500
100-42-5	Styrene	0.022		0.000050	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS560388

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 560388

Level: (low/med) LOW

Lab File ID: 2071230/b0054

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-VRX-20M ID: .18 (mm)

Date Received:

Instrument ID: MSV9

Date Analyzed: 12/30/07 Time: 1011

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.025		0.000080	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.027		0.000086	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.032		0.000156	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.031		0.000413	0.00500
71-55-6	1,1,1-Trichloroethane	0.024		0.000155	0.00500
79-00-5	1,1,2-Trichloroethane	0.025		0.000067	0.00500
75-69-4	Trichlorofluoromethane	0.022		0.000141	0.00500
96-18-4	1,2,3-Trichloropropane	0.028		0.000151	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.030		0.000079	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.032		0.000085	0.00500
75-01-4	Vinyl chloride	0.024		0.000163	0.00500
95-47-6	o-Xylene	0.024		0.000058	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.025		0.000181	0.00500
106-93-4	1,2-Dibromoethane	0.025		0.000101	0.00500
108-05-4	Vinyl acetate	0.028		0.000207	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.024		0.000110	0.00500
540-59-0	1,2-Dichloroethene	0.049		0.000267	0.010
99-87-6	4-Isopropyltoluene	0.029		0.000063	0.00500
1330-20-7	Xylene (total)	0.071		0.000535	0.010
108-87-2	Methylcyclohexane	0.029		0.000201	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.026		0.000394	0.00500
110-82-7	Cyclohexane	0.027		0.000101	0.00500
594-20-7	2,2-Dichloropropane	0.025		0.000195	0.00500
79-20-9	Methyl Acetate	0.025		0.000431	0.00500
76-13-1	Trichlorotrifluoroethane	0.025		0.000168	0.00500
563-58-6	1,1-Dichloropropene	0.024		0.000170	0.00500
110-75-8	2-Chloroethylvinyl ether	0.020		0.000547	0.00500
142-28-9	1,3-Dichloropropane	0.025		0.000064	0.00500
108-86-1	Bromobenzene	0.030		0.000091	0.00500
95-49-8	2-Chlorotoluene	0.030		0.000092	0.00500
106-43-4	4-Chlorotoluene	0.029		0.000106	0.00500
98-06-6	tert-Butylbenzene	0.031		0.000065	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS560388

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 560388

Level: (low/med) LOW Lab File ID: 2071230/b0054

% Moisture: not dec. Date Collected: Time:

GC Column: DB-VRX-20M ID: .18 (mm) Date Received:

Instrument ID: MSV9 Date Analyzed: 12/30/07 Time: 1011

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
135-98-8	sec-Butylbenzene	0.030		0.000082	0.00500
541-73-1	1,3-Dichlorobenzene	0.028		0.000134	0.00500
106-46-7	1,4-Dichlorobenzene	0.025		0.000162	0.00500
104-51-8	n-Butylbenzene	0.031		0.000128	0.00500
95-50-1	1,2-Dichlorobenzene	0.028		0.000112	0.00500
87-68-3	Hexachlorobutadiene	0.031		0.000455	0.00500
91-20-3	Naphthalene	0.029		0.000369	0.00500
75-35-4	1,1-Dichloroethene	0.025		0.000226	0.00500
71-43-2	Benzene	0.024		0.000184	0.00500
79-01-6	Trichloroethene	0.024		0.000123	0.00500
108-88-3	Toluene	0.026		0.000093	0.00500
108-90-7	Chlorobenzene	0.024		0.000051	0.00500

GCAL, Inc.

Data file : /var/chem/msv9.i/2071230.s.b/b0054.d
Lab Smp Id: 560388 Client Smp ID: LCS for HBN 364394
Inj Date : 30-DEC-2007 10:11
Operator : JCK Inst ID: msv9.i
Smp Info : 560388*LCS for HBN 364394
Misc Info : MSV~12194~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Meth Date : 30-Dec-2007 16:47 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 14:50 Cal File: b0013.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
1	Dichlorodifluoromethane	85	1.973	1.973	(0.290)	257679	23.8879	23.9	
2	Chloromethane ++	50	2.232	2.232	(0.328)	342136	25.0171	25.0	
3	Vinyl Chloride +	62	2.324	2.318	(0.342)	298819	24.3040	24.3	
5	Bromomethane	94	2.706	2.701	(0.398)	86420	28.8498	28.8	
6	Chloroethane	64	2.820	2.812	(0.415)	159184	27.5169	27.5	
9	Trichlorofluoromethane	101	3.057	3.055	(0.450)	345889	21.8414	21.8	
19	1,1,2Trichlotrifluoroethane	101	3.596	3.596	(0.529)	202730	24.5428	24.5	
8	Acrolein	56	3.601	3.598	(0.530)	234144	136.321	136	
13	1,1-Dichloroethene +	96	3.640	3.638	(0.536)	154824	24.6367	24.6	
11	Acetone	43	3.757	3.755	(0.553)	171369	28.0918	28.1	
14	Methyl Iodide	142	3.824	3.827	(0.563)	149458	25.5660	25.6	
21	Carbon Disulfide	76	3.877	3.869	(0.570)	592987	27.9544	28.0	
20	Methyl Acetate	43	4.067	4.070	(0.598)	277355	25.3062	25.3	9530
18	Methylene Chloride	49	4.206	4.209	(0.619)	311693	25.0358	25.0	

168973

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
	25 MTBE	73	4.415	4.410	(0.650)	627422	24.0328	24.0	9419
	22 trans-1,2-Dichloroethene	61	4.443	4.446	(0.654)	266475	23.8435	23.8	
	16 Acrylonitrile	53	4.541	4.544	(0.668)	661534	127.608	128	
	32 Hexane	57	4.641	4.641	(0.683)	340831	27.7760	27.8	9423
	26 1,1-Dichloroethane ++	63	4.940	4.940	(0.727)	332168	22.7299	22.7	
	29 Vinyl Acetate	43	4.965	4.962	(0.730)	378323	28.2308	28.2	
	38 2,2-Dichloropropane	77	5.534	5.537	(0.814)	202636	24.6415	24.6	
	23 cis-1,2-Dichloroethene	61	5.567	5.564	(0.819)	272221	25.1227	25.1	
	33 2-Butanone	43	5.589	5.592	(0.822)	177804	24.8048	24.8	
	36 Bromochloromethane	128	5.832	5.838	(0.858)	70464	24.0948	24.1	
	37 Chloroform +	83	5.893	5.896	(0.867)	292385	22.0723	22.1	
M	80 Total 1,2-Dichloroethene	61				538696	48.9662	49.0	
	45 Cyclohexane	56	6.047	6.050	(0.890)	378818	27.1491	27.1	9591
	43 1,1,1-Trichloroethane	97	6.064	6.064	(0.892)	219991	23.9818	24.0	
$	39 Dibromofluoromethane	111	6.080	6.078	(0.895)	279212	48.4421	48.4	9329
	46 Carbon Tetrachloride	117	6.203	6.206	(0.913)	176723	24.4014	24.4	
	44 1,1-Dichloropropene	75	6.242	6.242	(0.918)	229299	23.7654	23.8	
	47 Benzene	78	6.471	6.474	(0.952)	745485	23.7337	23.7	
$	41 1,2-Dichloroethane-d4	67	6.490	6.488	(0.955)	184021	46.9222	46.9	
	42 1,2-Dichloroethane	62	6.577	6.574	(0.968)	265143	23.8556	23.9	
*	50 FLUOROBENZENE	96	6.797	6.797	(1.000)	1182329	50.0000		
	57 Trichloroethene	130	7.198	7.199	(1.059)	153173	24.3212	24.3	
	61 Methyl Cyclohexane	83	7.341	7.338	(1.080)	309766	28.6405	28.6	9542
	56 1,2-Dichloropropane +	63	7.519	7.519	(1.106)	210354	23.8929	23.9	
	55 Dibromomethane	93	7.661	7.664	(1.127)	93055	24.6400	24.6	
	58 Bromodichloromethane	83	7.823	7.823	(1.151)	217190	24.3238	24.3	
	62 2-Chloroethyl vinyl ether	63	8.191	8.189	(1.205)	71552	19.9871	20.0	
	60 1-Bromo-2-chloroethane	144	8.244	8.242	(1.213)	29347	24.6100	24.6	9431
	63 cis-1,3-Dichloropropene	75	8.381	8.381	(1.233)	242797	26.1143	26.1	
	65 4-methyl-2-pentanone	43	8.568	8.568	(1.261)	298402	22.1986	22.2	
$	68 Toluene-d8	98	8.679	8.677	(0.768)	1061900	50.7346	50.7	
	70 Toluene +	91	8.771	8.774	(0.776)	760474	25.4514	25.5	
	66 trans-1,3-Dichloropropene	75	9.201	9.206	(1.354)	216955	25.9685	26.0	
M	87 1-3 Dichloropropene total	100				459752	52.0828	52.1	0
	67 1,1,2-Trichloroethane	97	9.496	9.494	(0.840)	170583	24.5372	24.5	
	78 Tetrachloroethene	164	9.574	9.563	(0.847)	110346	24.9783	25.0	
	71 1,3-Dichloropropane	76	9.792	9.798	(0.866)	292111	24.9217	24.9	
	73 2-Hexanone	43	9.890	9.884	(0.875)	210557	26.4828	26.5	
	72 Dibromochloromethane	129	10.140	10.141	(0.897)	149892	26.5546	26.6	
	74 1,2-Dibromoethane(EDB)	107	10.397	10.394	(0.920)	144161	25.1920	25.2	
	86 1-Chlorohexane	91	11.278	11.273	(1.659)	189647	22.6401	22.6	7568
*	83 CHLOROBENZENE-d5	82	11.301	11.303	(1.000)	510815	50.0000		
	85 Chlorobenzene ++	112	11.362	11.359	(1.005)	443820	24.0603	24.1	
	88 Ethylbenzene +	106	11.512	11.515	(1.019)	252925	26.1954	26.2	
	82 1,1,1,2-Tetrachloroethane	133	11.529	11.529	(1.020)	146662	26.4539	26.5	
	89 p,m-Xylene	106	11.733	11.736	(1.038)	597121	46.3450	46.3	
	93 o-Xylene	106	12.369	12.369	(1.095)	304536	24.2646	24.3	

168974

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
M 120 TOTAL XYLENE	106				901657	70.6096	70.6	
91 Styrene	104	12.413	12.416	(1.098)	420034	21.7391	21.7	
90 Bromoform ++	173	12.698	12.692	(1.124)	86169	26.2242	26.2	
96 Isopropylbenzene	105	12.871	12.865	(1.139)	748879	25.1679	25.2	
$ 97 Bromofluorobenzene	174	13.122	13.119	(1.161)	235099	47.8882	47.9	
98 Bromobenzene	77	13.292	13.289	(0.923)	280729	30.1090	30.1	
92 1,1,2,2-Tetrachloroethane++	83	13.345	13.348	(0.927)	265222	32.4033	32.4	
100 n-Propylbenzene	91	13.384	13.384	(0.930)	775231	28.6217	28.6	
94 1,2,3-Trichloropropane	75	13.400	13.401	(0.931)	262013	27.5395	27.5	
95 trans-1,4-Dichloro-2-Butene	53	13.431	13.431	(0.933)	40048	26.3825	26.4	
101 2-Chlorotoluene	91	13.509	13.509	(0.939)	514163	29.4839	29.5	
104 1,3,5-Trimethylbenzene	105	13.601	13.599	(0.945)	664397	32.2885	32.3	
102 4-Chlorotoluene	91	13.646	13.643	(0.948)	462972	28.8218	28.8	
105 tert-butylbenzene	91	13.939	13.939	(0.968)	336301	30.9341	30.9	
106 1,2,4-Trimethylbenzene	105	14.008	14.008	(0.973)	607554	30.1931	30.2	
107 sec-Butylbenzene	105	14.170	14.170	(0.984)	695066	30.0362	30.0	
108 1,3-Dichlorobenzene	146	14.318	14.321	(0.995)	273835	27.6303	27.6	
111 p-Isopropyltoluene	119	14.321	14.321	(0.995)	563596	28.8277	28.8	
* 109 1,4-DICHLOROBENZENE-D4	152	14.393	14.393	(1.000)	303442	50.0000		
110 1,4-Dichlorobenzene	146	14.415	14.416	(1.002)	253279	25.4089	25.4	
114 n-Butylbenzene	91	14.714	14.711	(1.022)	464895	30.9793	31.0	
113 1,2-Dichlorobenzene	146	14.775	14.775	(1.027)	285005	28.2335	28.2	
115 1,2-Dibromo-3-Chloropropane	157	15.486	15.486	(1.076)	34474	24.7914	24.8	
116 1,2,4-Trichlorobenzene	180	16.111	16.114	(1.119)	142636	30.7471	30.7	
118 Hexachlorobutadiene	225	16.197	16.192	(1.125)	53577	31.1410	31.1	
117 Naphthalene	128	16.320	16.320	(1.134)	579736	29.0446	29.0	
119 1,2,3-Trichlorobenzene	180	16.515	16.518	(1.147)	149467	30.3221	30.3	

168975

Data File: /var/chem/msv9.i/2071230.s.b/b0054.d

Date : 30-DEC-2007 10:11

Client ID: LCS for HBN 364394

Sample Info: 560388%LCS for HBN 364394

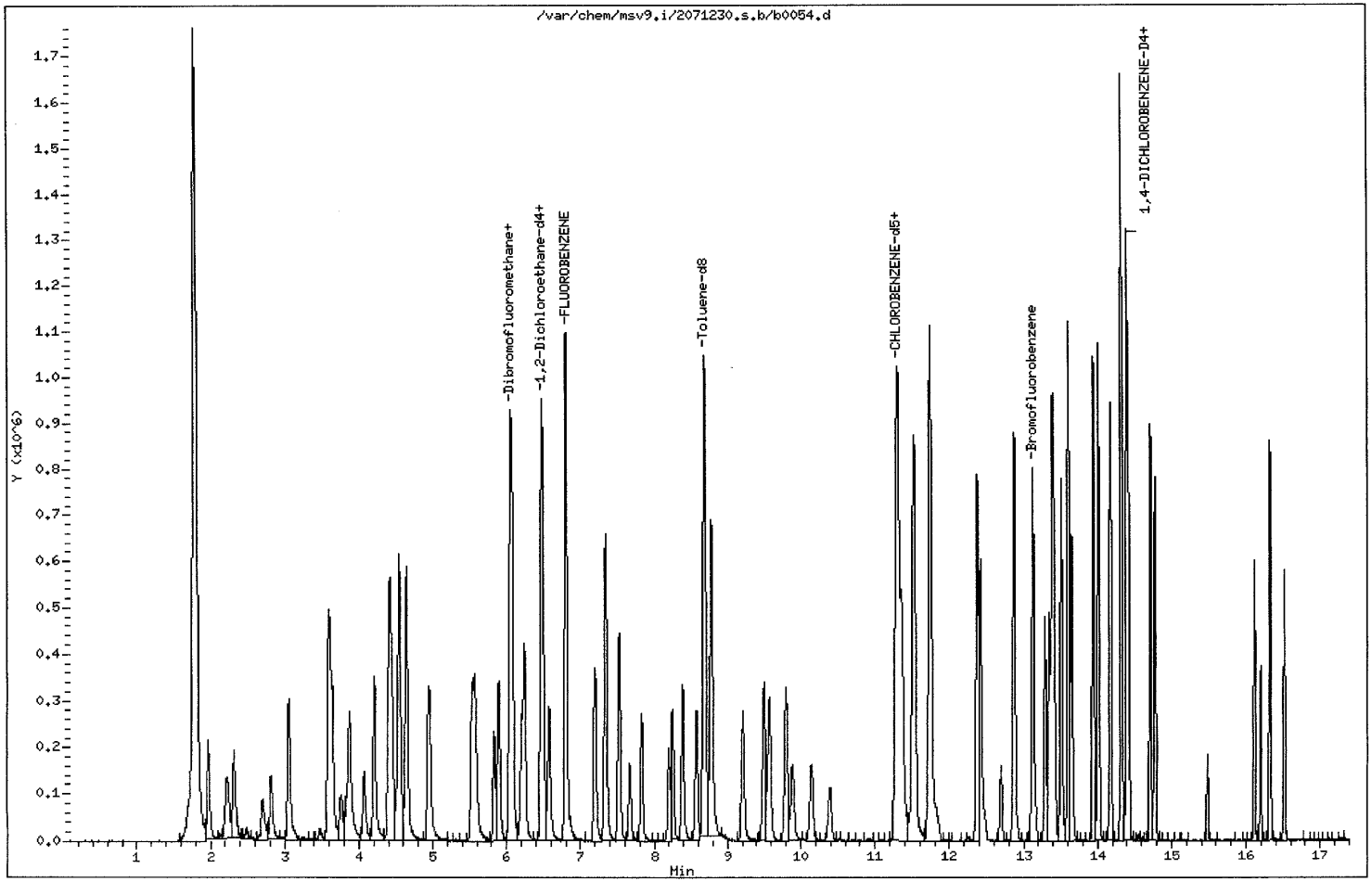
Purge Volume: 5.0

Column phase: DB-VRX-20M

Instrument: msv9.i

Operator: JCK

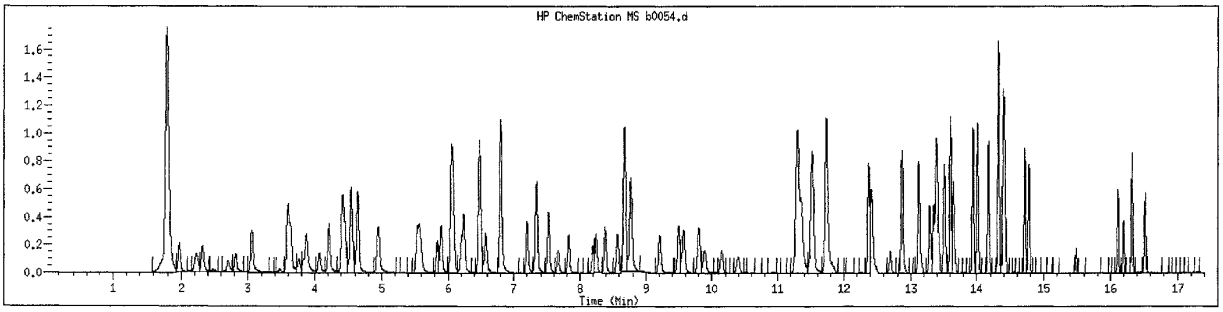
Column diameter: 0.18



Data file : /var/chem/msv9.i/2071230.s.b/b0054.d Page: 1
Report Date: 12/30/2007 16:50

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 560388	SampleType	: LCS
Injection Date	: 12/30/2007 10:11	Instrument	: msv9.i
Operator	: JCK		
Sample Info	: 560388*LCS for HBN 364394		
Misc Info	: MSV~12194~*1*JCK		
Method	: /var/chem/msv9.i/2071230.s.b/8260bw9.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS560451

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g

Lab Sample ID: 560451

Level: (low/med) LOW

Lab File ID: 2071231/x1937

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm)

Date Received:

Instrument ID: MSV0

Date Analyzed: 12/31/07 Time: 1149

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.022	J	0.000374	0.025
107-02-8	Acrolein	0.117		0.00234	0.025
107-13-1	Acrylonitrile	0.113		0.000712	0.025
75-27-4	Bromodichloromethane	0.027		0.000135	0.00500
75-25-2	Bromoform	0.026		0.000169	0.00500
74-83-9	Bromomethane	0.032		0.00151	0.00500
75-15-0	Carbon disulfide	0.025		0.000109	0.00500
56-23-5	Carbon tetrachloride	0.029		0.000120	0.00500
75-00-3	Chloroethane	0.026		0.000606	0.00500
136777-61-	m,p-Xylene	0.053		0.000398	0.00500
67-66-3	Chloroform	0.025		0.000141	0.00500
74-87-3	Chloromethane	0.027		0.000464	0.00500
124-48-1	Dibromochloromethane	0.026		0.000090	0.00500
74-95-3	Dibromomethane	0.028		0.000156	0.00500
75-71-8	Dichlorodifluoromethane	0.026		0.000364	0.00500
75-34-3	1,1-Dichloroethane	0.027		0.000159	0.00500
107-06-2	1,2-Dichloroethane	0.026		0.000114	0.00500
156-59-2	cis-1,2-Dichloroethene	0.028		0.000126	0.00500
156-60-5	trans-1,2-Dichloroethene	0.027		0.000164	0.00500
75-09-2	Methylene chloride	0.024		0.000479	0.010
78-87-5	1,2-Dichloropropane	0.027		0.000112	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.028		0.000115	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.027		0.000141	0.00500
100-41-4	Ethylbenzene	0.027		0.000207	0.00500
591-78-6	2-Hexanone	0.024		0.000826	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.027		0.000153	0.00500
78-93-3	2-Butanone	0.023		0.000312	0.00500
74-88-4	Methyl iodide	0.041		0.000906	0.00500
108-10-1	4-Methyl-2-pentanone	0.025		0.000173	0.00500
103-65-1	n-Propylbenzene	0.027		0.000140	0.00500
100-42-5	Styrene	0.026		0.000152	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS560451

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 560451

Level: (low/med) LOW Lab File ID: 2071231/x1937

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received:

Instrument ID: MSV0 Date Analyzed: 12/31/07 Time: 1149

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.027		0.000192	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.027		0.000176	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.027		0.000180	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.027		0.000327	0.00500
71-55-6	1,1,1-Trichloroethane	0.029		0.000123	0.00500
79-00-5	1,1,2-Trichloroethane	0.026		0.000114	0.00500
75-69-4	Trichlorofluoromethane	0.028		0.000252	0.00500
96-18-4	1,2,3-Trichloropropane	0.026		0.000245	0.00200
95-63-6	1,2,4-Trimethylbenzene	0.027		0.000198	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.027		0.000163	0.00500
75-01-4	Vinyl chloride	0.028		0.000351	0.00500
95-47-6	o-Xylene	0.026		0.000174	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.026		0.000866	0.00500
106-93-4	1,2-Dibromoethane	0.026		0.000150	0.00500
108-05-4	Vinyl acetate	0.026		0.000979	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.027		0.000074	0.00500
540-59-0	1,2-Dichloroethene	0.055		0.000290	0.010
99-87-6	4-Isopropyltoluene	0.027		0.000161	0.00500
1330-20-7	Xylene (total)	0.079		0.000572	0.010
108-87-2	Methylcyclohexane	0.027		0.000370	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.027		0.000721	0.00500
594-20-7	2,2-Dichloropropane	0.030		0.000176	0.00500
79-20-9	Methyl Acetate	0.025		0.00153	0.00500
76-13-1	Trichlorotrifluoroethane	0.028		0.000188	0.00500
563-58-6	1,1-Dichloropropene	0.027		0.000130	0.00500
110-75-8	2-Chloroethylvinyl ether	0.00500	U	0.000197	0.00500
142-28-9	1,3-Dichloropropane	0.027		0.000136	0.00500
108-86-1	Bromobenzene	0.026		0.000235	0.00500
95-49-8	2-Chlorotoluene	0.026		0.000150	0.00500
106-43-4	4-Chlorotoluene	0.026		0.000325	0.00500
98-06-6	tert-Butylbenzene	0.026		0.000252	0.00500
135-98-8	sec-Butylbenzene	0.027		0.000117	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS560451

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g

Lab Sample ID: 560451

Level: (low/med) LOW

Lab File ID: 2071231/x1937

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm)

Date Received:

Instrument ID: MSV0

Date Analyzed: 12/31/07 Time: 1149

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	0.026		0.000236	0.00500
106-46-7	1,4-Dichlorobenzene	0.026		0.000421	0.00500
104-51-8	n-Butylbenzene	0.027		0.000178	0.00500
95-50-1	1,2-Dichlorobenzene	0.026		0.000114	0.00500
87-68-3	Hexachlorobutadiene	0.027		0.00125	0.00500
91-20-3	Naphthalene	0.024		0.000376	0.00500
75-35-4	1,1-Dichloroethene	0.027		0.000359	0.00500
71-43-2	Benzene	0.026		0.000104	0.00500
79-01-6	Trichloroethene	0.026		0.000177	0.00500
108-88-3	Toluene	0.026		0.000550	0.00500
108-90-7	Chlorobenzene	0.026		0.000165	0.00500

GCAL, Inc.

Data file : /var/chem/msv0.i/2071231.b/x1937.d
Lab Smp Id: 560451 Client Smp ID: LCS FOR HBN 364414
Inj Date : 31-DEC-2007 11:49
Operator : AJV Inst ID: msv0.i
Smp Info : 560451*LCS FOR HBN 364414
Misc Info : MSV~12197~*1*AJV
Comment :
Method : /var/chem/msv0.i/2071231.b/8260Bs0.m
Meth Date : 31-Dec-2007 13:34 kcb Quant Type: ISTD
Cal Date : 12-DEC-2007 05:17 Cal File: x1341.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
1 Dichlorodifluoromethane	85	1.565	1.568	(0.241)	89588	26.4295	26.4	8789
2 Chloromethane ++	50	1.739	1.741	(0.268)	126326	26.5955	26.6	9652
4 Vinyl Chloride +	62	1.812	1.815	(0.279)	81961	27.6549	27.7	9401
5 Bromomethane	94	2.105	2.108	(0.324)	50998	31.8042	31.8	9330
6 Chloroethane	64	2.218	2.221	(0.341)	26534	25.5300	25.5	8766
7 Trichlorofluoromethane	101	2.352	2.348	(0.362)	65924	27.8925	27.9	9518
11 1,1-Dichloroethene +	96	2.858	2.861	(0.440)	48103	27.1052	27.1	8401
14 Carbon Disulfide	76	2.878	2.881	(0.443)	217585	25.1288	25.1	9436
9 1,1,2Trichlotrifluoroethane	101	2.905	2.908	(0.447)	62741	27.4652	27.5	9615
13 Methyl Iodide	142	3.005	3.008	(0.462)	66659	40.6879	40.7	9334(R)
10 Acrolein	56	3.245	3.248	(0.499)	59242	117.004	117	9411
18 Methylene Chloride	49	3.518	3.521	(0.541)	68428	23.5775	23.6	9613
12 Acetone	43	3.618	3.621	(0.557)	51310	22.2546	22.3	9071

168981

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.725	3.721	(0.573)	64643	27.1125	27.1	9624
	16 Methyl Acetate	43	3.778	3.781	(0.581)	73375	25.4384	25.4	9298(M1)
	23 Hexane	57	3.831	3.834	(0.590)	77190	26.3039	26.3	9539(M1)
	20 MTBE	73	3.905	3.901	(0.601)	179775	26.7174	26.7	9732
	26 1,1-Dichloroethane ++	63	4.538	4.534	(0.698)	92961	26.6152	26.6	9679
	22 Acrylonitrile	53	4.618	4.621	(0.711)	211604	113.174	113	9793
	27 Vinyl Acetate	43	4.885	4.887	(0.752)	108481	26.0087	26.0	
	30 cis-1,2-Dichloroethene	61	5.178	5.181	(0.797)	79447	27.6878	27.7	9755
	29 2,2-Dichloropropane	77	5.298	5.294	(0.815)	71534	29.5498	29.5	9838
	39 Cyclohexane	56	5.384	5.387	(0.829)	99811	27.1891	27.2	9797
	34 Bromochloromethane	128	5.398	5.401	(0.831)	35520	28.0459	28.0	9747
	38 Chloroform +	83	5.498	5.494	(0.846)	119881	25.3626	25.4	9655
	42 Carbon Tetrachloride	117	5.618	5.620	(0.865)	62940	28.5646	28.6	9411
$	41 Dibromofluoromethane	111	5.691	5.687	(0.876)	132026	59.2783	59.3	8195
	40 1,1,1-Trichloroethane	97	5.691	5.694	(0.876)	73636	28.8582	28.9	7949
	43 1,1-Dichloropropene	75	5.831	5.827	(0.897)	90415	27.4196	27.4	9623
	31 2-Butanone	43	5.844	5.840	(0.899)	102541	23.2205	23.2	
	46 Benzene	78	6.084	6.080	(0.936)	289591	26.1774	26.2	9924
$	47 1,2-Dichloroethane-d4	67	6.224	6.227	(0.958)	69687	58.6791	58.7	9769
	48 1,2-Dichloroethane	62	6.291	6.294	(0.968)	72260	26.2604	26.3	9804
*	49 FLUOROBENZENE	96	6.497	6.500	(1.000)	539612	50.0000		9622
	52 Methyl cyclohexane	83	6.651	6.647	(1.024)	123744	27.1054	27.1	9808
	50 Trichloroethene	130	6.664	6.660	(1.026)	91514	26.3894	26.4	9785
	58 Dibromomethane	93	7.057	7.060	(1.086)	48919	27.7208	27.7	9634
	54 1,2-Dichloropropane +	63	7.151	7.153	(1.101)	70497	26.9696	27.0	9766
	61 Bromodichloromethane	83	7.217	7.213	(1.111)	97008	26.7017	26.7	9733
	64 1-Bromo-2-chloroethane	63	7.644	7.647	(1.176)	133161	26.1477	26.1	9826
	65 cis-1,3-Dichloropropene	75	7.784	7.787	(1.198)	131005	27.4598	27.5	
$	67 Toluene-d8	98	7.950	7.953	(0.856)	478601	58.4789	58.5	9780
	68 Toluene +	91	7.997	7.993	(0.861)	302703	26.0839	26.1	9846
	66 4-methyl-2-pentanone	43	8.337	8.333	(1.283)	156820	25.1819	25.2	
	78 Tetrachloroethene	164	8.330	8.333	(0.897)	67247	26.8104	26.8	9568
	71 trans-1,3-Dichloropropene	75	8.357	8.360	(0.900)	117386	26.5404	26.5	
	76 1,1,2-Trichloroethane	97	8.497	8.500	(0.915)	75032	25.7907	25.8	9808
	81 Dibromochloromethane	129	8.650	8.653	(0.931)	84343	25.9490	25.9	9666
	79 1,3-Dichloropropane	76	8.730	8.733	(0.940)	144248	27.0745	27.1	9840
	83 1,2-Dibromoethane(EDB)	107	8.857	8.860	(0.953)	81188	26.2966	26.3	9703
	80 2-Hexanone	43	9.044	9.046	(0.973)	136704	23.5031	23.5	9863
	84 1-Chlorohexane	91	9.277	9.280	(1.428)	112228	27.2115	27.2	3922(M1)
*	85 Chlorobenzene-d5	82	9.290	9.293	(1.000)	242397	50.0000		5440
	86 Chlorobenzene ++	112	9.303	9.306	(1.001)	190359	26.3358	26.3	7098
	87 Ethylbenzene +	106	9.323	9.326	(1.004)	96302	26.6397	26.6	9580
	89 1,1,1,2-Tetrachloroethane	133	9.357	9.360	(1.007)	70003	26.6501	26.7	9769
M	75 Total 1,2-Dichloroethene	61				144090	54.8003	54.8	0
	90 p,m-Xylene	106	9.443	9.446	(1.016)	241423	52.4600	52.5	9896
M	77 1-3 Dichloropropene-Total	100				248391	54.0001	54.0	0
	91 o-Xylene	106	9.810	9.813	(1.056)	118364	26.3014	26.3	

168982

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
92	Styrene	104	9.857	9.860	(1.061)	211750	26.3622	26.4	9849
95	Bromoform ++	173	9.890	9.886	(1.065)	68172	26.0797	26.1	9644
96	Isopropylbenzene	105	10.077	10.079	(1.085)	313174	26.8811	26.9	9838
$ 98	Bromofluorobenzene	174	10.323	10.326	(1.111)	166960	52.7385	52.7	9841
102	Bromobenzene	77	10.417	10.419	(0.923)	160420	26.1852	26.2	9805
103	n-Propylbenzene	91	10.430	10.433	(0.924)	417130	26.6310	26.6	9816
101	1,1,2,2-Tetrachloroethane++	83	10.490	10.486	(0.929)	126502	26.9802	27.0	9805
105	2-Chlorotoluene	91	10.570	10.573	(0.936)	255102	26.2123	26.2	9855
107	1,3,5-Trimethylbenzene	105	10.590	10.593	(0.938)	262620	26.8058	26.8	
104	1,2,3-Trichloropropane	75	10.610	10.613	(0.940)	151134	26.0989	26.1	9535
106	trans-1,4-Dichloro-2-Butene	53	10.643	10.639	(0.943)	16115	27.3620	27.4	9652
108	4-Chlorotoluene	91	10.710	10.713	(0.949)	237264	25.9192	25.9	9824
109	tert-butylbenzene	91	10.870	10.866	(0.963)	144519	26.0567	26.1	9847
110	1,2,4-Trimethylbenzene	105	10.930	10.926	(0.968)	265205	26.8259	26.8	
112	sec-Butylbenzene	105	11.023	11.019	(0.976)	350773	26.4867	26.5	
113	p-Isopropyltoluene	119	11.136	11.139	(0.986)	285833	26.8045	26.8	9716
114	1,3-Dichlorobenzene	146	11.230	11.226	(0.995)	183344	26.2250	26.2	
* 115	1,4-DICHLOROBENZENE-D4	152	11.290	11.293	(1.000)	241813	50.0000		5781
117	1,4-Dichlorobenzene	146	11.303	11.306	(1.001)	192630	26.2608	26.3	
119	n-Butylbenzene	91	11.523	11.526	(1.021)	303046	26.9977	27.0	9925
120	1,2-Dichlorobenzene	146	11.710	11.706	(1.037)	176038	26.0916	26.1	
121	1,2-Dibromo-3-Chloropropane	157	12.563	12.566	(1.113)	42349	26.1069	26.1	9581
124	Hexachlorobutadiene	225	13.356	13.359	(1.183)	49013	27.3869	27.4	9524
123	1,2,4-Trichlorobenzene	180	13.403	13.405	(1.187)	112418	27.0001	27.0	
125	Napthalene	128	13.769	13.765	(1.220)	345818	23.7648	23.8	9800
126	1,2,3-Trichlorobenzene	180	13.962	13.965	(1.237)	110295	26.4745	26.5	
M 127	TOTAL XYLENE	106				359787	78.7615	78.8	0

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M1- Compound response manually integrated because
Target system did not integrate.

168983

Data File: /var/chem/msv0.i/2071231.b/x1937.d

Date : 31-DEC-2007 11:49

Client ID: LCS FOR HBN 364414

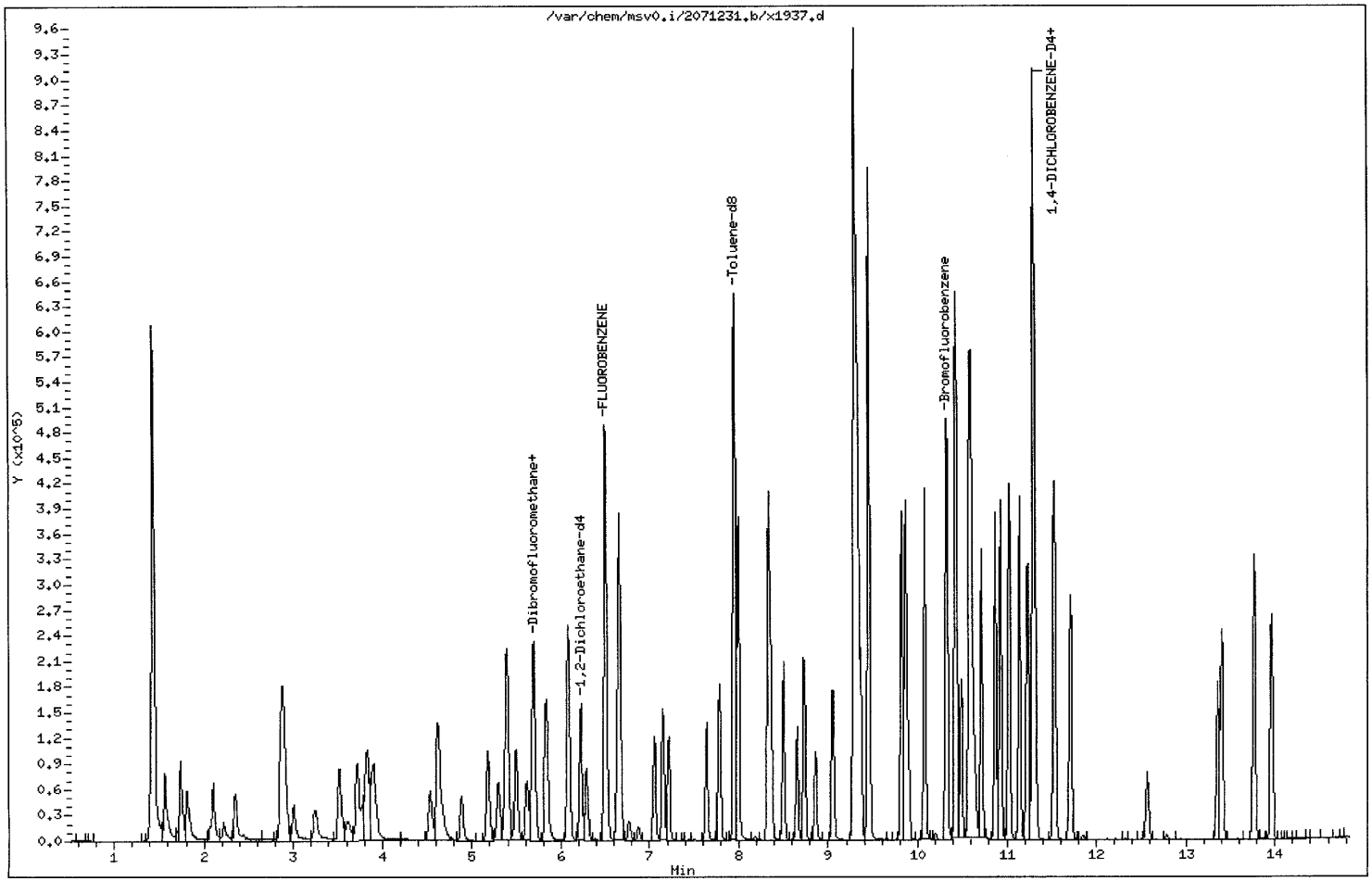
Sample Info: 560451*LCS FOR HBN 364414

Column phase: DB-624-30M

Instrument: msv0.i

Operator: AJV

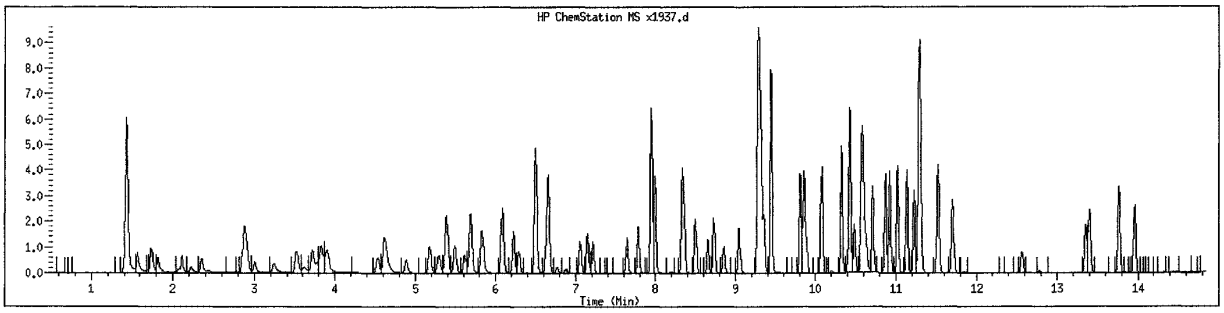
Column diameter: 0.53



Data file : /var/chem/msv0.i/2071231.b/x1937.d Page: 1
Report Date: 12/31/2007 13:34

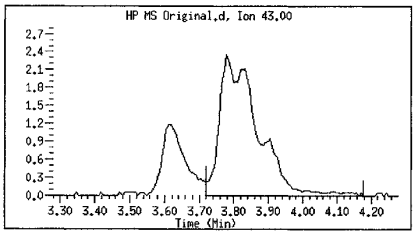
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 560451 SampleType : LCS
Injection Date: 12/31/2007 11:49 Instrument : msv0.i
Operator : AJV
Sample Info : 560451*LCS FOR HBN 364414
Misc Info : MSV~12197~*1*AJV
Method : /var/chem/msv0.i/2071231.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



Original Final

16 Methyl Acetate CAS#: 79-20-9 Reason: M1



Electronic Signature
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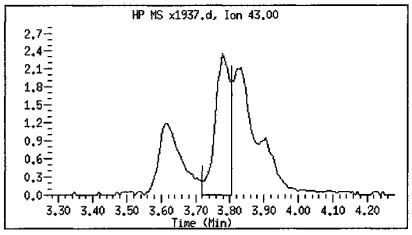
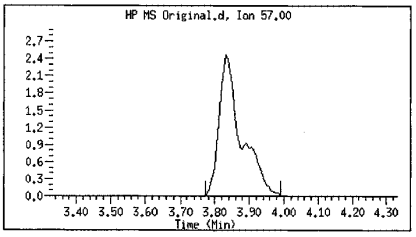
User: ajv
Date: 12/31/2007 12:07



23 Hexane CAS#: 110-54-3 Reason: M1



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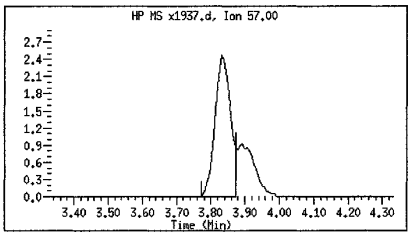
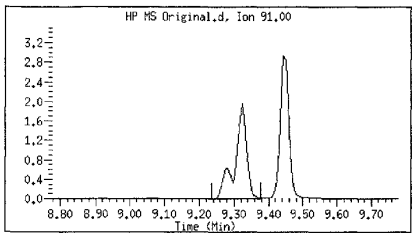
User: ajv
Date: 12/31/2007 12:08



168985

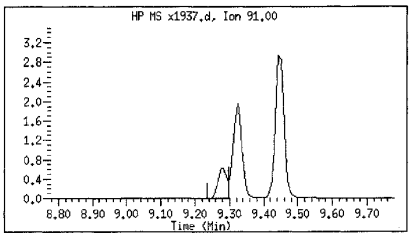
Original Final

84 1-Chlorohexane CAS#: 544-10-5 Reason: M1



Electronic Signature Applied

User: ajv
Date: 12/31/2007 12:08



M1 - Target system did not integrate

168986

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS560659

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 560659

Level: (low/med) LOW Lab File ID: 2080102/c9402

% Moisture: not dec. Date Collected: Time:

GC Column: DB-VRX-20M ID: .18 (mm) Date Received:

Instrument ID: MSV7 Date Analyzed: 01/02/08 Time: 1104

Soil Extract Volume: (µL) Dilution Factor: 50 Analyst: EGW

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 364472

CONCENTRATION UNITS: *mg/kg* Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	0.852		0.00984	0.250

FORM I VOA

168987

GCAL, Inc.

Data file : /var/chem/msv7.i/2080102.s.b/c9402.d
Lab Smp Id: 560659 Client Smp ID: LCS FOR HBN 364472
Inj Date : 02-JAN-2008 11:04
Operator : EGW Inst ID: msv7.i
Smp Info : 560659*LCS FOR HBN 364472
Misc Info : MSV~12203~*50*EGW
Comment :
Method : /var/chem/msv7.i/2080102.s.b/8260bw7C.m
Meth Date : 03-Jan-2008 09:27 kcb Quant Type: ISTD
Cal Date : 28-DEC-2007 22:29 Cal File: c9278.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100))/5000 * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
m	0.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
1 Dichlorodifluoromethane	85	1.639	1.642	(0.259)	663887	22.2373	1110	
2 Chloromethane ++	50	1.809	1.806	(0.286)	320312	20.7477	1040	
3 Vinyl Chloride +	62	1.879	1.879	(0.297)	407626	23.2943	1160	
6 Bromomethane	94	2.169	2.166	(0.342)	355238	25.7251	1290	
7 Chloroethane	64	2.280	2.277	(0.360)	277958	23.2049	1160	
8 Trichlorofluoromethane	101	2.411	2.411	(0.381)	933656	23.6158	1180	
10 1,1-Dichloroethene +	96	2.908	2.902	(0.459)	337759	23.4242	1170	
11 Carbon Disulfide	76	2.924	2.924	(0.462)	940505	22.8881	1140	
12 1,1,2Trichlotrifluoroethane	101	2.955	2.955	(0.467)	496140	25.1093	1260	
13 Methyl Iodide	142	3.047	3.044	(0.481)	519392	21.8188	1090	
14 Acrolein	56	3.265	3.262	(0.516)	199801	160.402	8020	
16 Methylene Chloride	49	3.516	3.516	(0.555)	361671	22.3552	1120	

168988

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
	17 Acetone	43	3.591	3.580	(0.567)	178410	23.8587	1190	
	18 trans-1,2-Dichloroethene	61	3.686	3.688	(0.582)	465648	22.5639	1130	
	19 Methyl Acetate	43	3.719	3.716	(0.587)	203710	23.9903	1200	2117
	20 Hexane	57	3.781	3.780	(0.597)	662513	30.0391	1500	9541
	21 MTBE	73	3.820	3.822	(0.603)	1141515	22.2010	1110	9663
	26 1,1-Dichloroethane ++	63	4.349	4.349	(0.687)	638254	22.3270	1120	
	27 Acrylonitrile	53	4.414	4.411	(0.697)	530588	123.352	6170	
	28 Vinyl Acetate	43	4.651	4.651	(0.734)	80885	20.2433	1010	
	29 cis-1,2-Dichloroethene	61	4.932	4.932	(0.779)	452888	21.3604	1070	
	30 2,2-Dichloropropane	77	5.049	5.049	(0.797)	665235	22.5604	1130	
	32 Cyclohexane	56	5.144	5.136	(0.812)	539113	25.1431	1260	8903
	34 Bromochloromethane	128	5.147	5.144	(0.813)	237455	23.6228	1180	
	35 Chloroform +	83	5.233	5.233	(0.826)	786239	21.9800	1100	
	36 Carbon Tetrachloride	117	5.370	5.370	(0.848)	693412	24.4319	1220	
$	40 Dibromofluoromethane	111	5.434	5.431	(0.858)	824359	46.8977	2340	9584
	41 1,1,1-Trichloroethane	97	5.454	5.451	(0.861)	766570	23.1740	1160	
	43 1,1-Dichloropropene	75	5.593	5.585	(0.883)	449328	24.7564	1240	
	44 2-Butanone	43	5.588	5.590	(0.882)	146333	24.2414	1210	
	46 Benzene	78	5.861	5.861	(0.926)	1304913	24.0273	1200	
$	50 1,2-Dichloroethane-d4	67	6.020	6.017	(0.951)	464184	45.6312	2280	
	51 1,2-Dichloroethane	62	6.090	6.092	(0.962)	617803	21.7110	1090	
*	53 FLUOROBENZENE	96	6.332	6.329	(1.000)	2680568	50.0000		
	55 Methyl Cyclohexane	83	6.502	6.502	(1.027)	602067	23.2219	1160	9209
	56 Trichloroethene	130	6.513	6.516	(1.029)	498585	22.4675	1120	
	57 Dibromomethane	93	6.990	6.993	(1.104)	200336	20.6362	1030	
	59 1,2-Dichloropropane +	63	7.116	7.116	(1.124)	284826	22.7212	1140	
	60 Bromodichloromethane	83	7.194	7.197	(1.136)	552727	22.7423	1140	
	64 2-Chloroethyl vinyl ether	63	7.897	7.897	(1.247)	68469	17.0451	852	
	65 1-Bromo-2-chloroethane	144	7.740	7.743	(1.222)	81363	22.9865	1150	8829
	67 cis-1,3-Dichloropropene	75	7.947	7.941	(1.255)	553438	22.4810	1120	
$	68 Toluene-d8	98	8.164	8.164	(0.820)	2598405	55.7617	2790	
	69 Toluene +	91	8.226	8.226	(0.827)	1684542	28.8518	1440	
	71 Tetrachloroethene	164	8.677	8.677	(0.872)	417785	24.5274	1230	
	73 4-methyl-2-pentanone	43	8.716	8.714	(1.377)	230963	21.7475	1090	
	74 trans-1,3-Dichloropropene	75	8.739	8.741	(1.380)	572954	22.6599	1130	
M	75 Total 1,2-Dichloroethene	61				918536	43.9243	2200	
	76 1,1,2-Trichloroethane	97	8.931	8.928	(0.897)	344137	23.1728	1160	
	78 Dibromochloromethane	129	9.135	9.135	(0.918)	463820	25.0884	1250	
	79 1,3-Dichloropropane	76	9.255	9.255	(0.930)	534607	25.8761	1290	
	80 1,2-Dibromoethane(EDB)	107	9.394	9.394	(0.944)	344807	25.7104	1290	
M	82 1-3 Dichloropropene total	100				1126392	45.1409	2260	0
	83 2-Hexanone	43	9.698	9.698	(0.975)	163444	24.1644	1210	
*	84 CHLOROBENZENE-d5	82	9.952	9.952	(1.000)	1228282	50.0000		
	85 Chlorobenzene ++	112	9.971	9.968	(1.002)	1263768	24.8146	1240	
	86 1-Chlorohexane	91	9.977	9.974	(1.576)	493132	22.7270	1140	7770
	87 Ethylbenzene +	106	10.016	10.016	(1.006)	685882	25.4137	1270	
	88 1,1,1,2-Tetrachloroethane	133	10.041	10.041	(1.009)	518645	25.3858	1270	

168989

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
	89 p,m-Xylene	106	10.164	10.164	(1.021)	1641759	49.2861	2460	
	90 o-Xylene	106	10.568	10.568	(1.062)	716447	23.7655	1190	
	91 Styrene	104	10.616	10.618	(1.067)	1267044	27.3951	1370	
	92 Bromoform ++	173	10.621	10.621	(1.067)	413626	26.1864	1310	
	93 Isopropylbenzene	105	10.855	10.855	(1.091)	1945002	24.3510	1220	
$	95 Bromofluorobenzene	174	11.092	11.089	(1.115)	1281434	51.1096	2560	
	96 Bromobenzene	77	11.173	11.173	(0.931)	765491	26.3684	1320	
	97 n-Propylbenzene	91	11.215	11.212	(0.935)	2231905	24.7729	1240	
	98 1,1,2,2-Tetrachloroethane++	83	11.274	11.274	(0.940)	408057	25.0859	1250	
	99 2-Chlorotoluene	91	11.335	11.332	(0.945)	1403969	24.5984	1230	
	100 1,2,3-Trichloropropane	75	11.382	11.380	(0.949)	426487	25.1461	1260	
	102 1,3,5-Trimethylbenzene	105	11.385	11.382	(0.949)	1886307	24.6924	1230	
	101 trans-1,4-Dichloro-2-Butene	53	11.421	11.421	(0.952)	57490	23.7239	1190	
	104 4-Chlorotoluene	91	11.472	11.472	(0.956)	1527641	24.4538	1220	
	105 tert-butylbenzene	91	11.639	11.636	(0.970)	1060400	24.5182	1230	
	107 1,2,4-Trimethylbenzene	105	11.695	11.695	(0.975)	1878190	24.6559	1230	
	108 sec-Butylbenzene	105	11.778	11.778	(0.982)	2090483	24.7397	1240	
	110 p-Isopropyltoluene	119	11.896	11.898	(0.991)	1917961	24.4914	1220	
	113 1,3-Dichlorobenzene	146	11.940	11.940	(0.995)	1212091	26.3377	1320	
*	114 1,4-DICHLOROBENZENE-D4	152	11.999	11.999	(1.000)	1616263	50.0000		
	115 1,4-Dichlorobenzene	146	12.013	12.010	(1.001)	1282130	24.8538	1240	
	117 n-Butylbenzene	91	12.219	12.219	(1.018)	1477985	29.5195	1480	
	118 1,2-Dichlorobenzene	146	12.333	12.333	(1.028)	1140305	25.7336	1290	
	119 1,2-Dibromo-3-Chloropropane	157	12.922	12.924	(1.077)	96877	22.1794	1110	
	120 Hexachlorobutadiene	225	13.382	13.385	(1.115)	347390	25.1705	1260	
M	121 TOTAL XYLENE	106				2358206	73.0516	3650	
	122 1,2,4-Trichlorobenzene	180	13.407	13.404	(1.117)	713650	25.0894	1250	
	124 Naphthalene	128	13.638	13.636	(1.137)	1221590	23.7749	1190	
	125 1,2,3-Trichlorobenzene	180	13.767	13.764	(1.147)	666332	26.2944	1310	

168990

Data File: /var/chem/msv7.i/2080102.s.b/c9402.d

Page 1

Date : 02-JAN-2008 11:04

Client ID: LCS FOR HBN 364472

Instrument: msv7.i

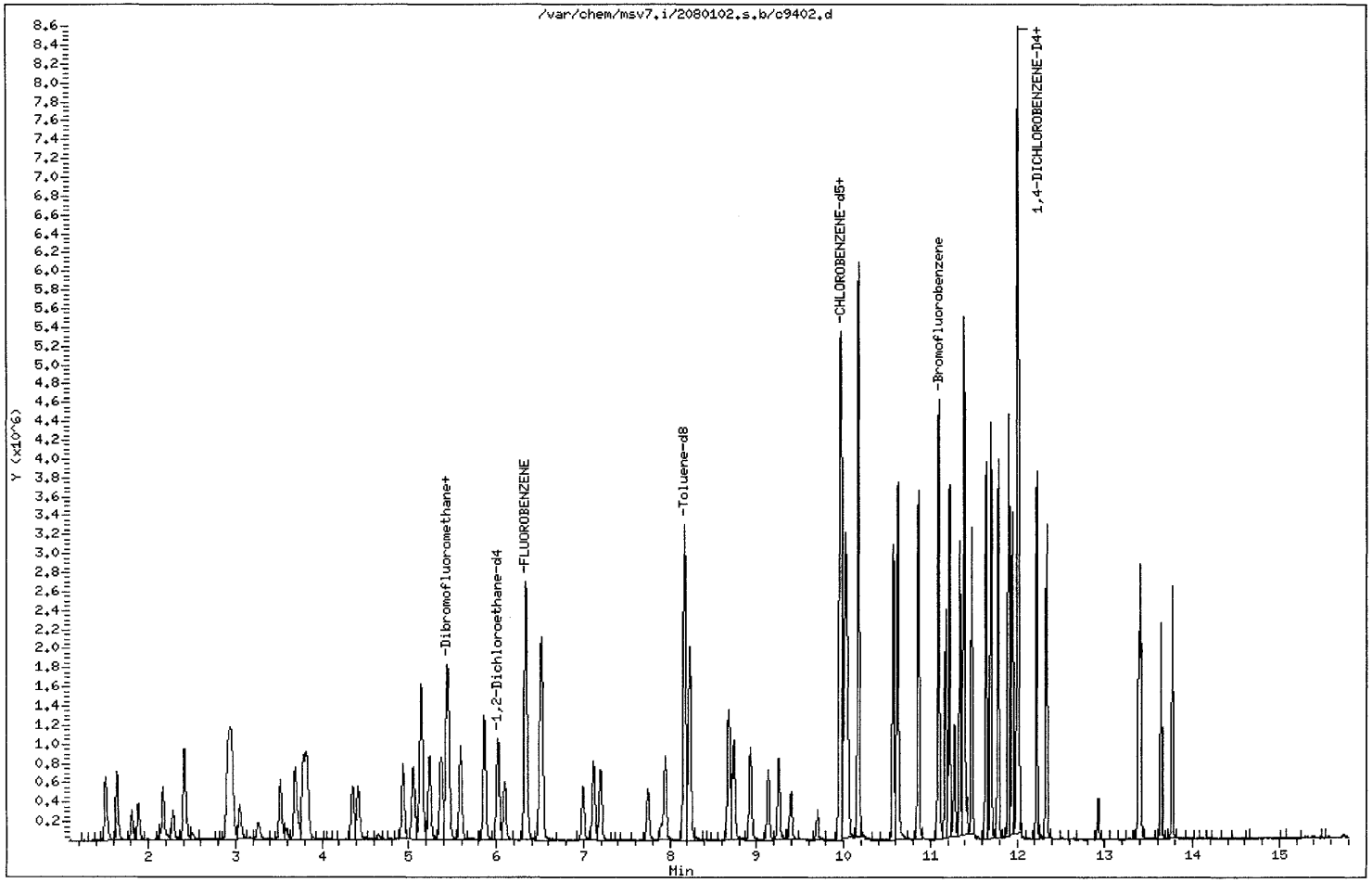
Sample Info: 560659%LCS FOR HBN 364472

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-20M

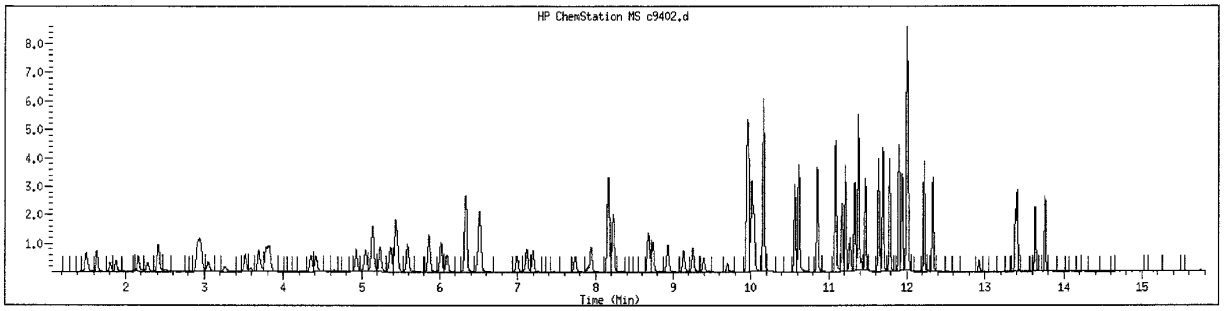
Column diameter: 0.18



Data file : /var/chem/msv7.i/2080102.s.b/c9402.d Page: 1
Report Date: 01/03/2008 10:18

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 560659 SampleType : LCS
Injection Date: 01/02/2008 11:04 Instrument : msv7.i
Operator : EGW
Sample Info : 560659*LCS FOR HBN 364472
Misc Info : MSV~12203~*50*EGW
Method : /var/chem/msv7.i/2080102.s.b/8260bw7C.m
Dilution : 50.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD560389

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 560389

Level: (low/med) LOW

Lab File ID: 2071230/b0055

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-VRX-20M ID: .18 (mm)

Date Received:

Instrument ID: MSV9

Date Analyzed: 12/30/07 Time: 1034

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.025	J	0.000690	0.025
107-02-8	Acrolein	0.124		0.00132	0.025
107-13-1	Acrylonitrile	0.116		0.000727	0.025
75-27-4	Bromodichloromethane	0.024		0.000079	0.00500
75-25-2	Bromoform	0.026		0.000065	0.00500
74-83-9	Bromomethane	0.027		0.000252	0.00500
75-15-0	Carbon disulfide	0.026		0.000099	0.00500
56-23-5	Carbon tetrachloride	0.025		0.000124	0.00500
75-00-3	Chloroethane	0.026		0.000060	0.00500
136777-61-	m,p-Xylene	0.046		0.000476	0.00500
67-66-3	Chloroform	0.022		0.000062	0.00500
74-87-3	Chloromethane	0.025		0.000244	0.00500
124-48-1	Dibromochloromethane	0.026		0.000050	0.00500
74-95-3	Dibromomethane	0.023		0.000128	0.00500
75-71-8	Dichlorodifluoromethane	0.024		0.000168	0.00500
75-34-3	1,1-Dichloroethane	0.023		0.000125	0.00500
107-06-2	1,2-Dichloroethane	0.023		0.000184	0.00500
156-59-2	cis-1,2-Dichloroethene	0.026		0.000154	0.00500
156-60-5	trans-1,2-Dichloroethene	0.024		0.000113	0.00500
75-09-2	Methylene chloride	0.024		0.000104	0.010
78-87-5	1,2-Dichloropropane	0.024		0.000099	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.027		0.000064	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.026		0.000101	0.00500
100-41-4	Ethylbenzene	0.026		0.000077	0.00500
591-78-6	2-Hexanone	0.026		0.000151	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.025		0.000050	0.00500
78-93-3	2-Butanone	0.024		0.000361	0.00500
74-88-4	Methyl iodide	0.026		0.000126	0.00500
108-10-1	4-Methyl-2-pentanone	0.021		0.000088	0.00500
103-65-1	n-Propylbenzene	0.027		0.000087	0.00500
100-42-5	Styrene	0.022		0.000050	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD560389

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 560389

Level: (low/med) LOW Lab File ID: 2071230/b0055

% Moisture: not dec. Date Collected: Time:

GC Column: DB-VRX-20M ID: .18 (mm) Date Received:

Instrument ID: MSV9 Date Analyzed: 12/30/07 Time: 1034

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.025		0.000080	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.026		0.000086	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.029		0.000156	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.029		0.000413	0.00500
71-55-6	1,1,1-Trichloroethane	0.025		0.000155	0.00500
79-00-5	1,1,2-Trichloroethane	0.024		0.000067	0.00500
75-69-4	Trichlorofluoromethane	0.022		0.000141	0.00500
96-18-4	1,2,3-Trichloropropane	0.025		0.000151	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.028		0.000079	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.030		0.000085	0.00500
75-01-4	Vinyl chloride	0.025		0.000163	0.00500
95-47-6	o-Xylene	0.024		0.000058	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.024		0.000181	0.00500
106-93-4	1,2-Dibromoethane	0.025		0.000101	0.00500
108-05-4	Vinyl acetate	0.025		0.000207	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.023		0.000110	0.00500
540-59-0	1,2-Dichloroethene	0.049		0.000267	0.010
99-87-6	4-Isopropyltoluene	0.027		0.000063	0.00500
1330-20-7	Xylene (total)	0.071		0.000535	0.010
108-87-2	Methylcyclohexane	0.026		0.000201	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.023		0.000394	0.00500
110-82-7	Cyclohexane	0.026		0.000101	0.00500
594-20-7	2,2-Dichloropropane	0.025		0.000195	0.00500
79-20-9	Methyl Acetate	0.022		0.000431	0.00500
76-13-1	Trichlorotrifluoroethane	0.024		0.000168	0.00500
563-58-6	1,1-Dichloropropene	0.024		0.000170	0.00500
110-75-8	2-Chloroethylvinyl ether	0.020		0.000547	0.00500
142-28-9	1,3-Dichloropropane	0.025		0.000064	0.00500
108-86-1	Bromobenzene	0.029		0.000091	0.00500
95-49-8	2-Chlorotoluene	0.028		0.000092	0.00500
106-43-4	4-Chlorotoluene	0.028		0.000106	0.00500
98-06-6	tert-Butylbenzene	0.028		0.000065	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD560389

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 560389

Level: (low/med) LOW

Lab File ID: 2071230/b0055

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-VRX-20M ID: .18 (mm)

Date Received:

Instrument ID: MSV9

Date Analyzed: 12/30/07 Time: 1034

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364394

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
135-98-8	sec-Butylbenzene	0.027		0.000082	0.00500
541-73-1	1,3-Dichlorobenzene	0.026		0.000134	0.00500
106-46-7	1,4-Dichlorobenzene	0.024		0.000162	0.00500
104-51-8	n-Butylbenzene	0.030		0.000128	0.00500
95-50-1	1,2-Dichlorobenzene	0.027		0.000112	0.00500
87-68-3	Hexachlorobutadiene	0.027		0.000455	0.00500
91-20-3	Naphthalene	0.027		0.000369	0.00500
75-35-4	1,1-Dichloroethene	0.024		0.000226	0.00500
71-43-2	Benzene	0.024		0.000184	0.00500
79-01-6	Trichloroethene	0.025		0.000123	0.00500
108-88-3	Toluene	0.025		0.000093	0.00500
108-90-7	Chlorobenzene	0.024		0.000051	0.00500

GCAL, Inc.

Data file : /var/chem/msv9.i/2071230.s.b/b0055.d
Lab Smp Id: 560389 Client Smp ID: LCSD for HBN 364394
Inj Date : 30-DEC-2007 10:34
Operator : JCK Inst ID: msv9.i
Smp Info : 560389*LCSD for HBN 364394
Misc Info : MSV~12194~*1*JCK
Comment :
Method : /var/chem/msv9.i/2071230.s.b/8260bw9.m
Meth Date : 30-Dec-2007 16:47 jck Quant Type: ISTD
Cal Date : 29-DEC-2007 14:50 Cal File: b0013.d
Als bottle: 2 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
1 Dichlorodifluoromethane	85	1.970	1.973	(0.290)	268639	23.7936	23.8	
2 Chloromethane ++	50	2.218	2.232	(0.326)	362241	25.3063	25.3	
3 Vinyl Chloride +	62	2.316	2.318	(0.341)	319674	24.8410	24.8	
5 Bromomethane	94	2.709	2.701	(0.398)	85702	27.2760	27.3	
6 Chloroethane	64	2.812	2.812	(0.414)	160234	26.2615	26.3	
9 Trichlorofluoromethane	101	3.055	3.055	(0.449)	360060	21.7226	21.7	
19 1,1,2Trichlotrifluoroethane	101	3.590	3.596	(0.528)	207148	23.9596	24.0	
8 Acrolein	56	3.596	3.598	(0.529)	222286	123.648	124	
13 1,1-Dichloroethene +	96	3.632	3.638	(0.534)	159690	24.2781	24.3	
11 Acetone	43	3.755	3.755	(0.552)	157856	24.7230	24.7	
14 Methyl Iodide	142	3.824	3.827	(0.562)	159989	26.1473	26.1	
21 Carbon Disulfide	76	3.866	3.869	(0.569)	580826	26.1326	26.1	
20 Methyl Acetate	43	4.070	4.070	(0.599)	257288	22.4287	22.4	9644
18 Methylene Chloride	49	4.209	4.209	(0.619)	313971	24.0945	24.1	

168996

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ug/L)	SIMILARITY
	25	MTBE	73	4.413	4.410	(0.649)	627041	22.9474	22.9	9262
	22	trans-1,2-Dichloroethene	61	4.443	4.446	(0.653)	278756	23.8304	23.8	
	16	Acrylonitrile	53	4.541	4.544	(0.668)	628538	115.838	116	
	32	Hexane	57	4.644	4.641	(0.683)	309464	24.0954	24.1	9304
	26	1,1-Dichloroethane ++	63	4.937	4.940	(0.726)	345653	22.5982	22.6	
	29	Vinyl Acetate	43	4.965	4.962	(0.730)	354388	25.2658	25.3	
	38	2,2-Dichloropropane	77	5.539	5.537	(0.815)	215488	25.0361	25.0	
	23	cis-1,2-Dichloroethene	61	5.567	5.564	(0.819)	289988	25.5692	25.6	
	33	2-Butanone	43	5.595	5.592	(0.823)	181327	24.1685	24.2	
	36	Bromochloromethane	128	5.835	5.838	(0.858)	67259	21.9735	22.0	
	37	Chloroform +	83	5.896	5.896	(0.867)	302648	21.8284	21.8	
M	80	Total 1,2-Dichloroethene	61				568744	49.3996	49.4	
	45	Cyclohexane	56	6.052	6.050	(0.890)	382906	26.2187	26.2	9571
	43	1,1,1-Trichloroethane	97	6.066	6.064	(0.892)	239137	24.9067	24.9	
$	39	Dibromofluoromethane	111	6.078	6.078	(0.894)	283209	46.9450	46.9	9259
	46	Carbon Tetrachloride	117	6.203	6.206	(0.912)	186807	24.6438	24.6	
	44	1,1-Dichloropropene	75	6.245	6.242	(0.918)	241720	23.9359	23.9	
	47	Benzene	78	6.471	6.474	(0.952)	776339	23.6140	23.6	
$	41	1,2-Dichloroethane-d4	67	6.487	6.488	(0.954)	189724	46.2196	46.2	
	42	1,2-Dichloroethane	62	6.574	6.574	(0.967)	266487	22.9076	22.9	
*	50	FLUOROBENZENE	96	6.800	6.797	(1.000)	1237500	50.0000		
	57	Trichloroethene	130	7.199	7.199	(1.059)	161190	24.4531	24.5	
	61	Methyl Cyclohexane	83	7.338	7.338	(1.079)	298966	26.4096	26.4	9500
	56	1,2-Dichloropropane +	63	7.516	7.519	(1.105)	217894	23.6459	23.6	
	55	Dibromomethane	93	7.664	7.664	(1.127)	91233	23.0805	23.1	
	58	Bromodichloromethane	83	7.823	7.823	(1.151)	225803	24.1609	24.2	
	62	2-Chloroethyl vinyl ether	63	8.191	8.189	(1.205)	75604	20.1534	20.2	
	60	1-Bromo-2-chloroethane	144	8.244	8.242	(1.212)	29195	23.3910	23.4	9562
	63	cis-1,3-Dichloropropene	75	8.384	8.381	(1.233)	259737	26.6908	26.7	
	65	4-methyl-2-pentanone	43	8.568	8.568	(1.260)	294158	20.9536	21.0	
$	68	Toluene-d8	98	8.677	8.677	(0.768)	1098031	50.7127	50.7	
	70	Toluene +	91	8.771	8.774	(0.777)	785286	25.4060	25.4	
	66	trans-1,3-Dichloropropene	75	9.204	9.206	(1.353)	224440	25.6667	25.7	
M	87	1-3 Dichloropropene total	100				484177	52.3575	52.4	0
	67	1,1,2-Trichloroethane	97	9.494	9.494	(0.841)	174513	24.2660	24.3	
	78	Tetrachloroethene	164	9.572	9.563	(0.847)	116159	25.4180	25.4	
	71	1,3-Dichloropropane	76	9.789	9.798	(0.867)	300245	24.7620	24.8	
	73	2-Hexanone	43	9.884	9.884	(0.875)	213054	25.9038	25.9	
	72	Dibromochloromethane	129	10.138	10.141	(0.898)	152200	26.0650	26.1	
	74	1,2-Dibromoethane(EDB)	107	10.386	10.394	(0.919)	149239	25.2103	25.2	
	86	1-Chlorohexane	91	11.281	11.273	(1.659)	190863	21.8518	21.9	7727
*	83	CHLOROBENZENE-d5	82	11.295	11.303	(1.000)	528424	50.0000		
	85	Chlorobenzene ++	112	11.356	11.359	(1.005)	462831	24.2548	24.3	
	88	Ethylbenzene +	106	11.513	11.515	(1.019)	261503	26.1813	26.2	
	82	1,1,1,2-Tetrachloroethane	133	11.529	11.529	(1.021)	149883	26.1340	26.1	
	89	p,m-Xylene	106	11.733	11.736	(1.039)	615309	46.1723	46.2	
	93	o-Xylene	106	12.369	12.369	(1.095)	316074	24.3411	24.3	

168997

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
M 120 TOTAL XYLENE	106				931383	70.5134	70.5	
91 Styrene	104	12.411	12.416	(1.099)	429531	21.5051	21.5	
90 Bromoform ++	173	12.689	12.692	(1.123)	87054	25.6107	25.6	
96 Isopropylbenzene	105	12.865	12.865	(1.139)	761761	24.7619	24.8	
$ 97 Bromofluorobenzene	174	13.119	13.119	(1.161)	248175	48.8672	48.9	
98 Bromobenzene	77	13.286	13.289	(0.923)	287172	28.5498	28.5	
92 1,1,2,2-Tetrachloroethane++	83	13.342	13.348	(0.927)	260814	29.4322	29.4	
100 n-Propylbenzene	91	13.381	13.384	(0.930)	791722	27.1077	27.1	
94 1,2,3-Trichloropropane	75	13.403	13.401	(0.931)	260878	25.4169	25.4	
95 trans-1,4-Dichloro-2-Butene	53	13.428	13.431	(0.933)	38042	23.2301	23.2	
101 2-Chlorotoluene	91	13.506	13.509	(0.938)	521571	27.7237	27.7	
104 1,3,5-Trimethylbenzene	105	13.598	13.599	(0.945)	661337	29.7734	29.8	
102 4-Chlorotoluene	91	13.643	13.643	(0.948)	476967	27.5238	27.5	
105 tert-butylbenzene	91	13.939	13.939	(0.968)	331902	28.3269	28.3	
106 1,2,4-Trimethylbenzene	105	14.008	14.008	(0.973)	614345	28.2951	28.3	
107 sec-Butylbenzene	105	14.170	14.170	(0.984)	684174	27.4233	27.4	
108 1,3-Dichlorobenzene	146	14.315	14.321	(0.995)	277737	25.9767	26.0	
111 p-Isopropyltoluene	119	14.318	14.321	(0.995)	564271	26.7963	26.8	
* 109 1,4-DICHLOROBENZENE-D4	152	14.393	14.393	(1.000)	327358	50.0000		
110 1,4-Dichlorobenzene	146	14.416	14.416	(1.002)	259901	24.1684	24.2	
114 n-Butylbenzene	91	14.711	14.711	(1.022)	480928	29.7064	29.7	
113 1,2-Dichlorobenzene	146	14.772	14.775	(1.026)	293609	26.9609	27.0	
115 1,2-Dibromo-3-Chloropropane	157	15.481	15.486	(1.076)	35530	23.7254	23.7	
116 1,2,4-Trichlorobenzene	180	16.108	16.114	(1.119)	146728	29.3185	29.3	
118 Hexachlorobutadiene	225	16.195	16.192	(1.125)	49371	26.5999	26.6	
117 Naphthalene	128	16.317	16.320	(1.134)	586059	27.2163	27.2	
119 1,2,3-Trichlorobenzene	180	16.515	16.518	(1.147)	147637	27.7627	27.8	

168998

Data File: /var/chem/msv9.i/2071230.s.b/b0055.d

Page 1

Date : 30-DEC-2007 10:34

Client ID: LCSD for HBN 364394

Instrument: msv9.i

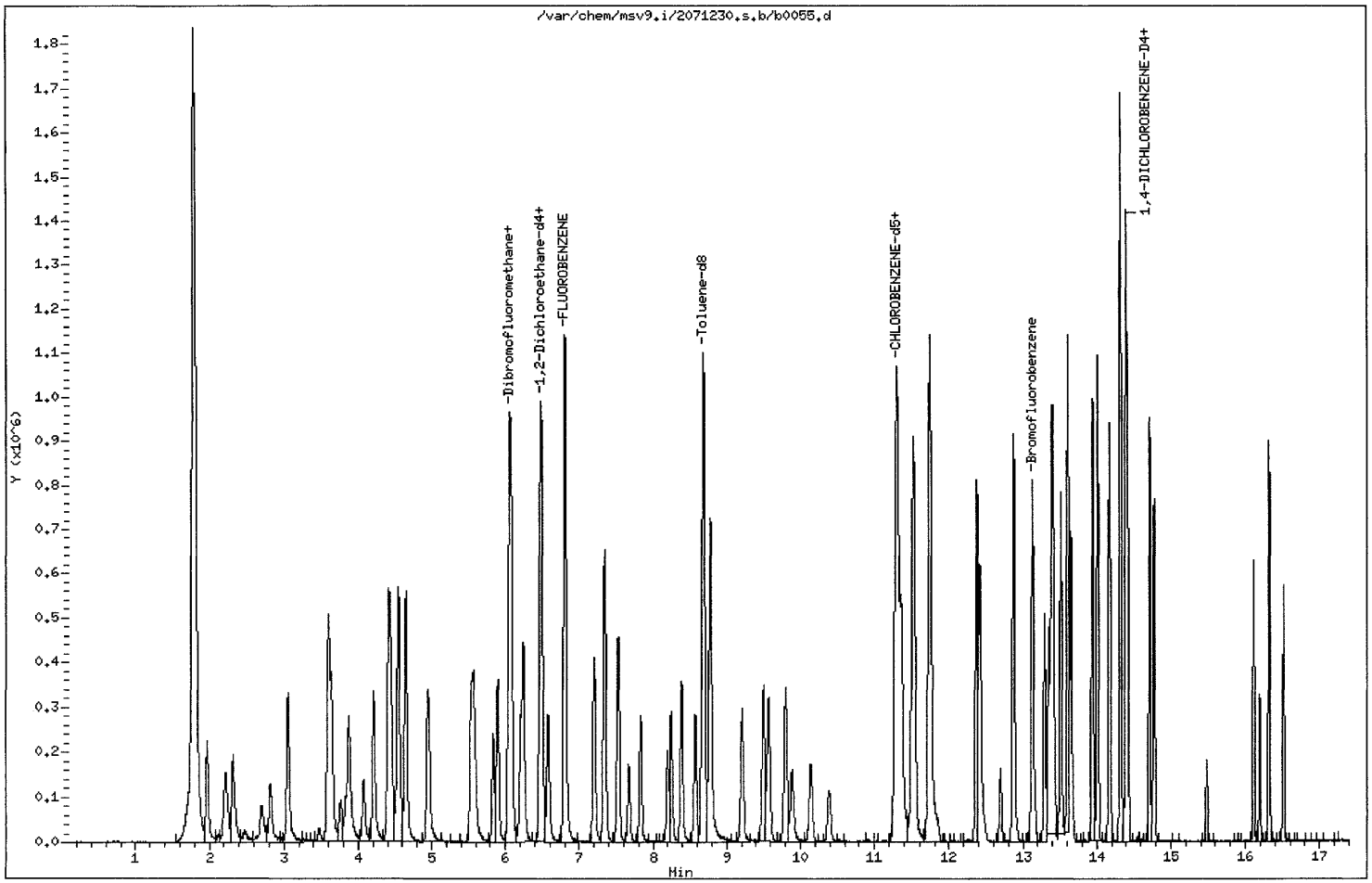
Sample Info: 560389%LCSD for HBN 364394

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-20M

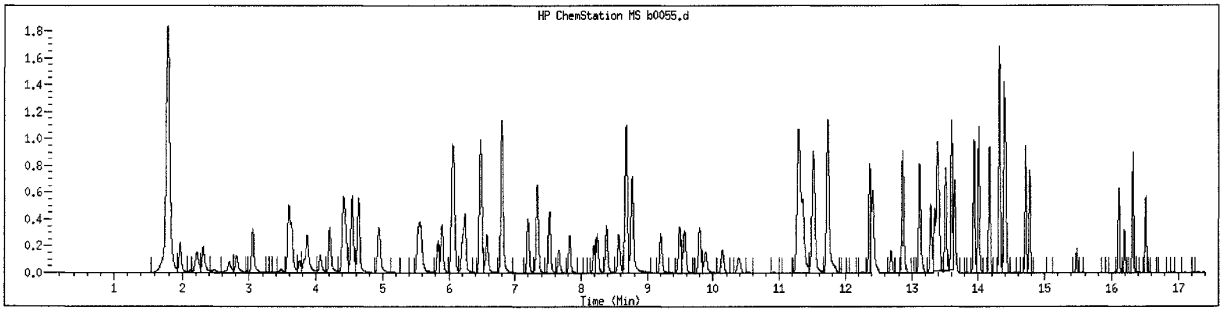
Column diameter: 0.18



Data file : /var/chem/msv9.i/2071230.s.b/b0055.d Page: 1
Report Date: 12/30/2007 16:50

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 560389	SampleType	: LCSD
Injection Date	: 12/30/2007 10:34	Instrument	: msv9.i
Operator	: JCK		
Sample Info	: 560389*LCSD for HBN 364394		
Misc Info	: MSV~12194~*1*JCK		
Method	: /var/chem/msv9.i/2071230.s.b/8260bw9.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD560455

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec.

GC Column: DB-624-30M ID: .53 (mm)

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 560455

Lab File ID: 2071231/x1938

Date Collected: Time:

Date Received:

Date Analyzed: 12/31/07 Time: 1211

Dilution Factor: 1 Analyst: AJV

Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.025		0.000374	0.025
107-02-8	Acrolein	0.124		0.00234	0.025
107-13-1	Acrylonitrile	0.125		0.000712	0.025
75-27-4	Bromodichloromethane	0.027		0.000135	0.00500
75-25-2	Bromoform	0.026		0.000169	0.00500
74-83-9	Bromomethane	0.036		0.00151	0.00500
75-15-0	Carbon disulfide	0.025		0.000109	0.00500
56-23-5	Carbon tetrachloride	0.027		0.000120	0.00500
75-00-3	Chloroethane	0.021		0.000606	0.00500
136777-61-	m,p-Xylene	0.052		0.000398	0.00500
67-66-3	Chloroform	0.026		0.000141	0.00500
74-87-3	Chloromethane	0.027		0.000464	0.00500
124-48-1	Dibromochloromethane	0.026		0.000090	0.00500
74-95-3	Dibromomethane	0.027		0.000156	0.00500
75-71-8	Dichlorodifluoromethane	0.026		0.000364	0.00500
75-34-3	1,1-Dichloroethane	0.027		0.000159	0.00500
107-06-2	1,2-Dichloroethane	0.027		0.000114	0.00500
156-59-2	cis-1,2-Dichloroethene	0.028		0.000126	0.00500
156-60-5	trans-1,2-Dichloroethene	0.027		0.000164	0.00500
75-09-2	Methylene chloride	0.023		0.000479	0.010
78-87-5	1,2-Dichloropropane	0.027		0.000112	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.027		0.000115	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.026		0.000141	0.00500
100-41-4	Ethylbenzene	0.026		0.000207	0.00500
591-78-6	2-Hexanone	0.025		0.000826	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.026		0.000153	0.00500
78-93-3	2-Butanone	0.026		0.000312	0.00500
74-88-4	Methyl iodide	0.042		0.000906	0.00500
108-10-1	4-Methyl-2-pentanone	0.027		0.000173	0.00500
103-65-1	n-Propylbenzene	0.026		0.000140	0.00500
100-42-5	Styrene	0.027		0.000152	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD560455

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g

Lab Sample ID: 560455

Level: (low/med) LOW

Lab File ID: 2071231/x1938

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm)

Date Received:

Instrument ID: MSV0

Date Analyzed: 12/31/07 Time: 1211

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.025		0.000192	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.026		0.000176	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.026		0.000180	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.028		0.000327	0.00500
71-55-6	1,1,1-Trichloroethane	0.028		0.000123	0.00500
79-00-5	1,1,2-Trichloroethane	0.026		0.000114	0.00500
75-69-4	Trichlorofluoromethane	0.027		0.000252	0.00500
96-18-4	1,2,3-Trichloropropane	0.027		0.000245	0.00200
95-63-6	1,2,4-Trimethylbenzene	0.026		0.000198	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.026		0.000163	0.00500
75-01-4	Vinyl chloride	0.027		0.000351	0.00500
95-47-6	o-Xylene	0.026		0.000174	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.029		0.000866	0.00500
106-93-4	1,2-Dibromoethane	0.026		0.000150	0.00500
108-05-4	Vinyl acetate	0.026		0.000979	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.027		0.000074	0.00500
540-59-0	1,2-Dichloroethene	0.055		0.000290	0.010
99-87-6	4-Isopropyltoluene	0.026		0.000161	0.00500
1330-20-7	Xylene (total)	0.078		0.000572	0.010
108-87-2	Methylcyclohexane	0.027		0.000370	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.027		0.000721	0.00500
594-20-7	2,2-Dichloropropane	0.030		0.000176	0.00500
79-20-9	Methyl Acetate	0.025		0.00153	0.00500
76-13-1	Trichlorotrifluoroethane	0.027		0.000188	0.00500
563-58-6	1,1-Dichloropropene	0.027		0.000130	0.00500
110-75-8	2-Chloroethylvinyl ether	0.00500	U	0.000197	0.00500
142-28-9	1,3-Dichloropropane	0.026		0.000136	0.00500
108-86-1	Bromobenzene	0.026		0.000235	0.00500
95-49-8	2-Chlorotoluene	0.026		0.000150	0.00500
106-43-4	4-Chlorotoluene	0.025		0.000325	0.00500
98-06-6	tert-Butylbenzene	0.026		0.000252	0.00500
135-98-8	sec-Butylbenzene	0.026		0.000117	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD560455

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g

Lab Sample ID: 560455

Level: (low/med) LOW

Lab File ID: 2071231/x1938

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm)

Date Received:

Instrument ID: MSV0

Date Analyzed: 12/31/07 Time: 1211

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	0.026		0.000236	0.00500
106-46-7	1,4-Dichlorobenzene	0.026		0.000421	0.00500
104-51-8	n-Butylbenzene	0.026		0.000178	0.00500
95-50-1	1,2-Dichlorobenzene	0.026		0.000114	0.00500
87-68-3	Hexachlorobutadiene	0.028		0.00125	0.00500
91-20-3	Naphthalene	0.026		0.000376	0.00500
75-35-4	1,1-Dichloroethene	0.027		0.000359	0.00500
71-43-2	Benzene	0.026		0.000104	0.00500
79-01-6	Trichloroethene	0.027		0.000177	0.00500
108-88-3	Toluene	0.025		0.000550	0.00500
108-90-7	Chlorobenzene	0.026		0.000165	0.00500

GCAL, Inc.

Data file : /var/chem/msv0.i/2071231.b/x1938.d
Lab Smp Id: 560455 Client Smp ID: LCSD FOR HBN 364414
Inj Date : 31-DEC-2007 12:11
Operator : AJV Inst ID: msv0.i
Smp Info : 560455*LCSD FOR HBN 364414
Misc Info : MSV~12197~*1*AJV
Comment :
Method : /var/chem/msv0.i/2071231.b/8260Bs0.m
Meth Date : 31-Dec-2007 13:34 kcb Quant Type: ISTD
Cal Date : 12-DEC-2007 05:17 Cal File: x1341.d
Als bottle: 3 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
1 Dichlorodifluoromethane	85	1.565	1.568	(0.241)	85106	25.9404	25.9	8825
2 Chloromethane ++	50	1.738	1.741	(0.267)	124738	27.2213	27.2	9629
4 Vinyl Chloride +	62	1.811	1.815	(0.278)	78570	27.3905	27.4	9443
5 Bromomethane	94	2.111	2.108	(0.325)	54593	36.1264	36.1	9386
6 Chloroethane	64	2.218	2.221	(0.341)	21523	21.3957	21.4	8450
7 Trichlorofluoromethane	101	2.351	2.348	(0.361)	60534	26.4619	26.5	9485
11 1,1-Dichloroethene +	96	2.858	2.861	(0.439)	45695	26.6028	26.6	8585
14 Carbon Disulfide	76	2.878	2.881	(0.442)	205564	24.5283	24.5	9570
9 1,1,2Trichlotrifluoroethane	101	2.904	2.908	(0.447)	60544	27.3829	27.4	9681
13 Methyl Iodide	142	3.004	3.008	(0.462)	66874	42.1736	42.2	9269(R)
10 Acrolein	56	3.251	3.248	(0.500)	60849	124.166	124	9441
18 Methylene Chloride	49	3.524	3.521	(0.542)	65645	23.3692	23.4	9691
12 Acetone	43	3.611	3.621	(0.555)	54585	25.2466	25.2	9116

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.717	3.721	(0.572)	62470	27.0705	27.1	9681
	16 Methyl Acetate	43	3.777	3.781	(0.581)	70910	25.3996	25.4	9116(M1)
	23 Hexane	57	3.831	3.834	(0.589)	74138	26.1022	26.1	9599(M2)
	20 MTBE	73	3.904	3.901	(0.600)	173882	26.6991	26.7	9695
	26 1,1-Dichloroethane ++	63	4.530	4.534	(0.697)	91063	26.9369	26.9	9404
	22 Acrylonitrile	53	4.617	4.621	(0.710)	227006	125.440	125	9787
	27 Vinyl Acetate	43	4.884	4.887	(0.751)	104795	25.9587	26.0	
	30 cis-1,2-Dichloroethene	61	5.177	5.181	(0.796)	76865	27.6768	27.7	9708
	29 2,2-Dichloropropane	77	5.297	5.294	(0.814)	69980	29.8671	29.9	9726
	39 Cyclohexane	56	5.384	5.387	(0.828)	96250	27.0891	27.1	9762
	34 Bromochloromethane	128	5.397	5.401	(0.830)	33880	27.6387	27.6	9770
	38 Chloroform +	83	5.497	5.494	(0.845)	116798	25.5303	25.5	9633
	42 Carbon Tetrachloride	117	5.617	5.620	(0.864)	57276	26.8566	26.9	9590
$	41 Dibromofluoromethane	111	5.690	5.687	(0.875)	128461	59.5916	59.6	8122
	40 1,1,1-Trichloroethane	97	5.697	5.694	(0.876)	69632	28.1946	28.2	8224
	43 1,1-Dichloropropene	75	5.830	5.827	(0.896)	86176	27.0013	27.0	9526
	31 2-Butanone	43	5.844	5.840	(0.899)	110972	25.9636	26.0	
	46 Benzene	78	6.083	6.080	(0.935)	281056	26.2489	26.2	9925
$	47 1,2-Dichloroethane-d4	67	6.223	6.227	(0.957)	68152	59.2909	59.3	9788
	48 1,2-Dichloroethane	62	6.290	6.294	(0.967)	71856	26.9801	27.0	9773
*	49 FLUOROBENZENE	96	6.503	6.500	(1.000)	522281	50.0000		9599
	52 Methyl cyclohexane	83	6.650	6.647	(1.023)	118081	26.7232	26.7	9739
	50 Trichloroethene	130	6.663	6.660	(1.025)	91330	27.2103	27.2	9831
	58 Dibromomethane	93	7.057	7.060	(1.085)	46236	27.0698	27.1	9662
	54 1,2-Dichloropropane +	63	7.150	7.153	(1.099)	67520	26.6878	26.7	9849
	61 Bromodichloromethane	83	7.217	7.213	(1.110)	94085	26.7565	26.8	9689
	64 1-Bromo-2-chloroethane	63	7.643	7.647	(1.175)	132502	26.8816	26.9	9834
	65 cis-1,3-Dichloropropene	75	7.790	7.787	(1.198)	126720	27.4430	27.4	
$	67 Toluene-d8	98	7.950	7.953	(0.856)	468774	58.1239	58.1	9803
	68 Toluene +	91	7.996	7.993	(0.861)	290615	25.4120	25.4	9874
	66 4-methyl-2-pentanone	43	8.336	8.333	(1.282)	161132	26.7329	26.7	
	78 Tetrachloroethene	164	8.330	8.333	(0.897)	62502	25.2866	25.3	9737
	71 trans-1,3-Dichloropropene	75	8.363	8.360	(0.900)	113566	26.0558	26.1	
	76 1,1,2-Trichloroethane	97	8.496	8.500	(0.915)	75035	26.1726	26.2	9800
	81 Dibromochloromethane	129	8.656	8.653	(0.932)	81651	25.4917	25.5	9633
	79 1,3-Dichloropropane	76	8.736	8.733	(0.940)	135104	25.7326	25.7	9806
	83 1,2-Dibromoethane(EDB)	107	8.856	8.860	(0.953)	79493	26.1277	26.1	9688
	80 2-Hexanone	43	9.049	9.046	(0.974)	145463	25.3783	25.4	9885
	84 1-Chlorohexane	91	9.283	9.280	(1.427)	103621	25.9583	26.0	3977(M2)
*	85 Chlorobenzene-d5	82	9.289	9.293	(1.000)	238870	50.0000		5355
	86 Chlorobenzene ++	112	9.303	9.306	(1.001)	183099	25.7054	25.7	6716
	87 Ethylbenzene +	106	9.323	9.326	(1.004)	93501	26.2468	26.2	9414
	89 1,1,1,2-Tetrachloroethane	133	9.363	9.360	(1.008)	67528	26.0874	26.1	9803
M	75 Total 1,2-Dichloroethene	61				139335	54.7474	54.7	0
	90 p,m-Xylene	106	9.449	9.446	(1.017)	235312	51.8871	51.9	9855
M	77 1-3 Dichloropropene-Total	100				240286	53.4988	53.5	0
	91 o-Xylene	106	9.816	9.813	(1.057)	115136	25.9619	26.0	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
	92 Styrene	104	9.856	9.860	(1.061)	210659	26.6136	26.6	9849
	95 Bromoform ++	173	9.889	9.886	(1.065)	67674	26.2714	26.3	9613
	96 Isopropylbenzene	105	10.076	10.079	(1.085)	298030	25.9590	26.0	9824
$	98 Bromofluorobenzene	174	10.329	10.326	(1.112)	164350	52.6806	52.7	9661
	102 Bromobenzene	77	10.422	10.419	(0.923)	156511	25.9605	26.0	9225
	103 n-Propylbenzene	91	10.429	10.433	(0.924)	402800	26.1322	26.1	9605
	101 1,1,2,2-Tetrachloroethane++	83	10.489	10.486	(0.929)	119847	25.9744	26.0	9879
	105 2-Chlorotoluene	91	10.569	10.573	(0.936)	245624	25.6467	25.6	9698
	107 1,3,5-Trimethylbenzene	105	10.589	10.593	(0.938)	252537	26.1937	26.2	
	104 1,2,3-Trichloropropane	75	10.609	10.613	(0.940)	152035	26.6793	26.7	9338
	106 trans-1,4-Dichloro-2-Butene	53	10.642	10.639	(0.943)	15315	26.5085	26.5	9680
	108 4-Chlorotoluene	91	10.716	10.713	(0.949)	229002	25.4214	25.4	9768
	109 tert-butylbenzene	91	10.869	10.866	(0.963)	139938	25.6389	25.6	9818
	110 1,2,4-Trimethylbenzene	105	10.929	10.926	(0.968)	254039	26.1122	26.1	
	112 sec-Butylbenzene	105	11.022	11.019	(0.976)	339023	26.0137	26.0	
	113 p-Isopropyltoluene	119	11.142	11.139	(0.987)	271156	25.8395	25.8	9709
	114 1,3-Dichlorobenzene	146	11.229	11.226	(0.995)	175782	25.5501	25.6	
*	115 1,4-DICHLOROBENZENE-D4	152	11.289	11.293	(1.000)	237963	50.0000		5646
	117 1,4-Dichlorobenzene	146	11.309	11.306	(1.002)	185928	25.7572	25.8	
	119 n-Butylbenzene	91	11.522	11.526	(1.021)	291023	26.3460	26.3	9910
	120 1,2-Dichlorobenzene	146	11.709	11.706	(1.037)	172610	25.9974	26.0	
	121 1,2-Dibromo-3-Chloropropane	157	12.569	12.566	(1.113)	45605	28.5690	28.6	9415
	124 Hexachlorobutadiene	225	13.355	13.359	(1.183)	49931	28.3512	28.4	9538
	123 1,2,4-Trichlorobenzene	180	13.402	13.405	(1.187)	113319	27.6569	27.7	
	125 Napthalene	128	13.768	13.765	(1.220)	369563	25.9929	26.0	9814
	126 1,2,3-Trichlorobenzene	180	13.962	13.965	(1.237)	112431	27.4238	27.4	
M	127 TOTAL XYLENE	106				350448	77.8490	77.8	0

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.

Data File: /var/chem/msv0.i/2071231.b/x1938.d

Page 1

Date : 31-DEC-2007 12:11

Client ID: LCSD FOR HBN 364414

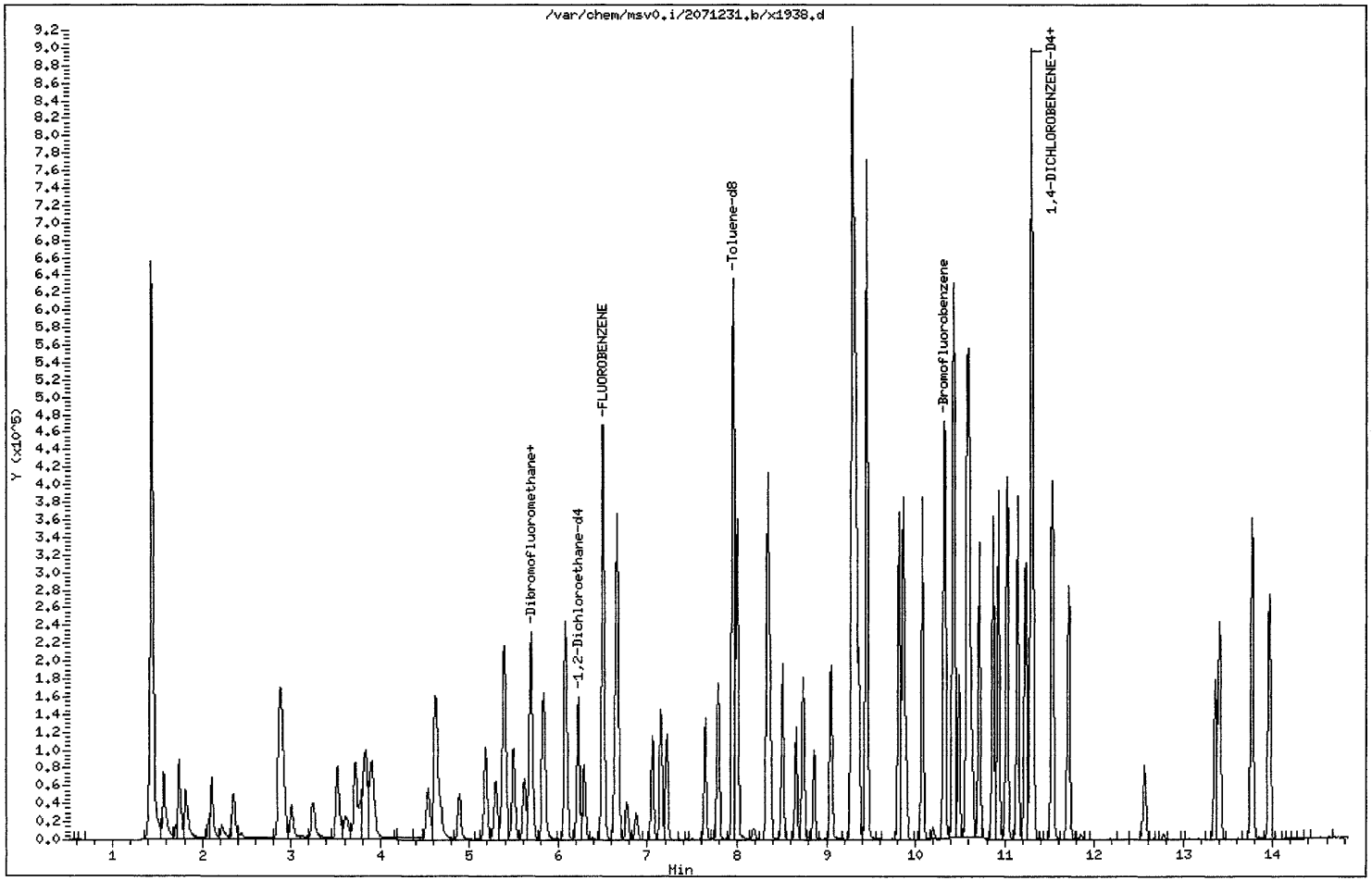
Instrument: msv0.i

Sample Info: 560455*LCSD FOR HBN 364414

Operator: AJV

Column phase: DB-624-30M

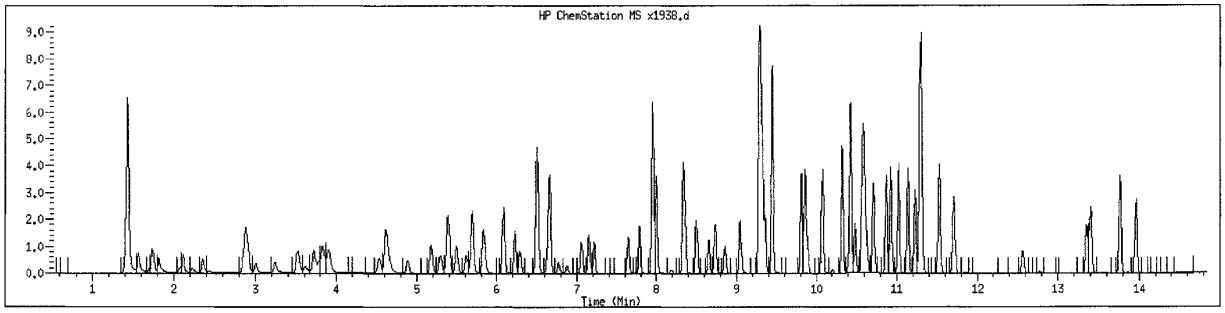
Column diameter: 0.53



Data file : /var/chem/msv0.i/2071231.b/x1938.d Page: 1
Report Date: 12/31/2007 13:34

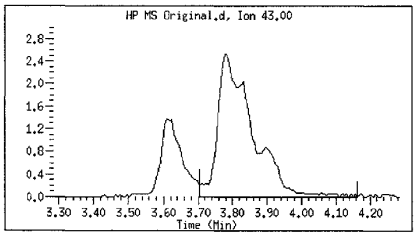
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 560455 SampleType : LCSD
Injection Date: 12/31/2007 12:11 Instrument : msv0.i
Operator : AJV
Sample Info : 560455*LCSD FOR HBN 364414
Misc Info : MSV~12197~*1*AJV
Method : /var/chem/msv0.i/2071231.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



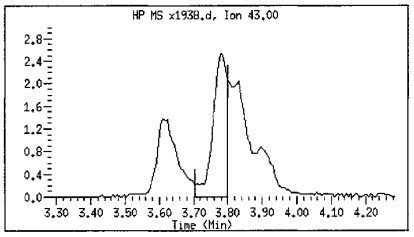
Original Final

16 Methyl Acetate CAS#: 79-20-9 Reason: M1

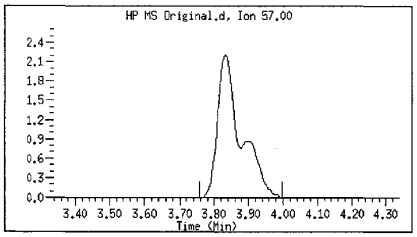


Electronic Signature
Applied

User: ajv
Date: 12/31/2007 12:11



23 Hexane CAS#: 110-54-3 Reason: M2



Electronic Signature
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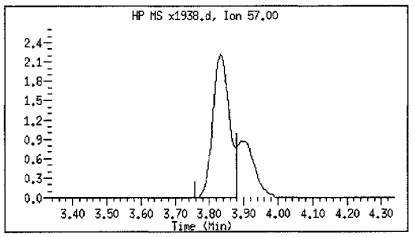
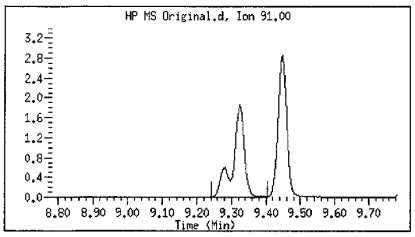
User: ajv
Date: 12/31/2007 12:12



169008

Original Final

84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



Electronic Signature
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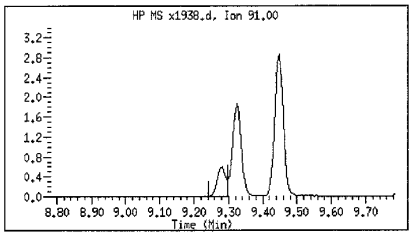
User: ajv
Date: 12/31/2007 12:12



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD560660

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g

Lab Sample ID: 560660

Level: (low/med) LOW

Lab File ID: 2080102/c9403

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-VRX-20M ID: .18 (mm)

Date Received:

Instrument ID: MSV7

Date Analyzed: 01/02/08 Time: 1126

Soil Extract Volume: (µL)

Dilution Factor: 50 Analyst: EGW

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364472

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	0.997		0.00984	0.250

FORM I VOA

GCAL, Inc.

Data file : /var/chem/msv7.i/2080102.s.b/c9403.d
Lab Smp Id: 560660 Client Smp ID: LCSD FOR HBN 364472
Inj Date : 02-JAN-2008 11:26
Operator : EGW Inst ID: msv7.i
Smp Info : 560660*LCSD FOR HBN 364472
Misc Info : MSV~12203~*50*EGW
Comment :
Method : /var/chem/msv7.i/2080102.s.b/8260bw7C.m
Meth Date : 03-Jan-2008 09:27 kcb Quant Type: ISTD
Cal Date : 28-DEC-2007 22:29 Cal File: c9278.d
Als bottle: 3 QC Sample: LCSD
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100))/5000 * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
m	0.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
1 Dichlorodifluoromethane	85	1.639	1.642	(0.259)	630405	20.9565	1050	
2 Chloromethane ++	50	1.801	1.806	(0.284)	327543	21.0559	1050	
3 Vinyl Chloride +	62	1.882	1.879	(0.297)	384606	21.8129	1090	
6 Bromomethane	94	2.166	2.166	(0.342)	358619	25.7757	1290	
7 Chloroethane	64	2.278	2.277	(0.360)	252649	20.9329	1050	
8 Trichlorofluoromethane	101	2.411	2.411	(0.381)	892867	22.4136	1120	
10 1,1-Dichloroethene +	96	2.905	2.902	(0.459)	329230	22.6604	1130	
11 Carbon Disulfide	76	2.927	2.924	(0.462)	930263	22.4680	1120	
12 1,1,2Trichlotrifluoroethane	101	2.952	2.955	(0.466)	465588	23.3853	1170	
13 Methyl Iodide	142	3.047	3.044	(0.481)	549624	22.9146	1150	
14 Acrolein	56	3.259	3.262	(0.514)	196073	156.221	7810	
16 Methylene Chloride	49	3.513	3.516	(0.555)	369932	22.6933	1130	

169011

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
	17 Acetone	43	3.585	3.580	(0.566)	165470	21.0568	1050	
	18 trans-1,2-Dichloroethene	61	3.686	3.688	(0.582)	448579	21.5728	1080	
	19 Methyl Acetate	43	3.722	3.716	(0.588)	193167	22.5893	1130	2163(H)
	20 Hexane	57	3.781	3.780	(0.597)	649822	29.2413	1460	9483
	21 MTBE	73	3.820	3.822	(0.603)	1192231	23.0124	1150	9631
	26 1,1-Dichloroethane ++	63	4.355	4.349	(0.687)	615235	21.3594	1070	
	27 Acrylonitrile	53	4.414	4.411	(0.697)	533049	122.989	6150	
	28 Vinyl Acetate	43	4.648	4.651	(0.734)	83672	20.6676	1030	
	29 cis-1,2-Dichloroethene	61	4.932	4.932	(0.779)	454627	21.2806	1060	
	30 2,2-Dichloropropane	77	5.050	5.049	(0.797)	610158	20.5364	1030	
	32 Cyclohexane	56	5.142	5.136	(0.812)	425061	19.6744	984	9100
	34 Bromochloromethane	128	5.139	5.144	(0.811)	204341	20.1751	1010	
	35 Chloroform +	83	5.239	5.233	(0.827)	707580	19.6318	982	
	36 Carbon Tetrachloride	117	5.373	5.370	(0.848)	633614	22.1565	1110	
$	40 Dibromofluoromethane	111	5.434	5.431	(0.858)	828906	46.8005	2340	9793
	41 1,1,1-Trichloroethane	97	5.451	5.451	(0.860)	726873	21.8081	1090	
	43 1,1-Dichloropropene	75	5.588	5.585	(0.882)	419876	22.9591	1150	
	44 2-Butanone	43	5.593	5.590	(0.883)	151320	24.8896	1240	
	46 Benzene	78	5.864	5.861	(0.926)	1241289	22.6263	1130	
$	50 1,2-Dichloroethane-d4	67	6.014	6.017	(0.949)	455574	44.4469	2220	
	51 1,2-Dichloroethane	62	6.095	6.092	(0.962)	613068	21.3820	1070	
*	53 FLUOROBENZENE	96	6.335	6.329	(1.000)	2700951	50.0000		
	55 Methyl Cyclohexane	83	6.505	6.502	(1.027)	560347	21.4693	1070	9286
	56 Trichloroethene	130	6.516	6.516	(1.029)	487276	21.7921	1090	
	57 Dibromomethane	93	6.990	6.993	(1.103)	204292	20.8849	1040	
	59 1,2-Dichloropropane +	63	7.113	7.116	(1.123)	275567	21.8167	1090	
	60 Bromodichloromethane	83	7.194	7.197	(1.136)	560716	22.8969	1140	
	64 2-Chloroethyl vinyl ether	63	7.899	7.897	(1.247)	83772	19.9440	997	
	65 1-Bromo-2-chloroethane	144	7.738	7.743	(1.221)	77962	21.8595	1090	8795
	67 cis-1,3-Dichloropropene	75	7.944	7.941	(1.254)	550642	22.2090	1110	
$	68 Toluene-d8	98	8.164	8.164	(0.820)	2569407	54.4757	2720	
	69 Toluene +	91	8.229	8.226	(0.827)	1588133	26.8732	1340	
	71 Tetrachloroethene	164	8.680	8.677	(0.872)	401637	23.2955	1160	
	73 4-methyl-2-pentanone	43	8.714	8.714	(1.375)	234957	21.9322	1100	
	74 trans-1,3-Dichloropropene	75	8.744	8.741	(1.380)	563251	22.1325	1110	
M	75 Total 1,2-Dichloroethene	61				903206	42.8534	2140	
	76 1,1,2-Trichloroethane	97	8.934	8.928	(0.897)	354640	23.5926	1180	
	78 Dibromochloromethane	129	9.135	9.135	(0.918)	459716	24.5671	1230	
	79 1,3-Dichloropropane	76	9.249	9.255	(0.929)	535645	25.6143	1280	
	80 1,2-Dibromoethane(EDB)	107	9.397	9.394	(0.944)	353339	26.0295	1300	
M	82 1-3 Dichloropropene total	100				1113893	44.3415	2220	0
	83 2-Hexanone	43	9.695	9.698	(0.974)	159514	23.3869	1170	
*	84 CHLOROBENZENE-d5	82	9.955	9.952	(1.000)	1243246	50.0000		
	85 Chlorobenzene ++	112	9.969	9.968	(1.001)	1220942	23.6852	1180	
	86 1-Chlorohexane	91	9.974	9.974	(1.574)	455974	20.8559	1040	7341
	87 Ethylbenzene +	106	10.013	10.016	(1.006)	658458	24.1039	1210	
	88 1,1,1,2-Tetrachloroethane	133	10.038	10.041	(1.008)	507601	24.5462	1230	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
89	p,m-Xylene	106	10.161	10.164	(1.021)	1570303	46.3131	2320	
90	o-Xylene	106	10.568	10.568	(1.062)	718756	23.5600	1180	
91	Styrene	104	10.616	10.618	(1.066)	1237870	26.4273	1320	
92	Bromoform ++	173	10.621	10.621	(1.067)	417768	26.1303	1310	
93	Isopropylbenzene	105	10.855	10.855	(1.090)	1861413	22.8274	1140	
$ 95	Bromofluorobenzene	174	11.090	11.089	(1.114)	1269727	50.0332	2500	
96	Bromobenzene	77	11.171	11.173	(0.931)	759671	26.6052	1330	
97	n-Propylbenzene	91	11.212	11.212	(0.934)	2111040	23.5320	1180	
98	1,1,2,2-Tetrachloroethane++	83	11.274	11.274	(0.940)	419277	26.2063	1310	
99	2-Chlorotoluene	91	11.332	11.332	(0.944)	1357006	24.1152	1210	
100	1,2,3-Trichloropropane	75	11.377	11.380	(0.948)	422570	25.3314	1270	
102	1,3,5-Trimethylbenzene	105	11.383	11.382	(0.949)	1798539	23.7670	1190	
101	trans-1,4-Dichloro-2-Butene	53	11.419	11.421	(0.952)	60361	25.0877	1250	
104	4-Chlorotoluene	91	11.472	11.472	(0.956)	1463022	23.7064	1190	
105	tert-butylbenzene	91	11.636	11.636	(0.970)	1008780	23.6618	1180	
107	1,2,4-Trimethylbenzene	105	11.695	11.695	(0.975)	1779856	23.5238	1180	
108	sec-Butylbenzene	105	11.781	11.778	(0.982)	1958185	23.2215	1160	
110	p-Isopropyltoluene	119	11.896	11.898	(0.991)	1822797	23.4512	1170	
113	1,3-Dichlorobenzene	146	11.940	11.940	(0.995)	1177805	26.0202	1300	
* 114	1,4-DICHLOROBENZENE-D4	152	11.999	11.999	(1.000)	1589703	50.0000		
115	1,4-Dichlorobenzene	146	12.010	12.010	(1.001)	1263022	24.8979	1240	
117	n-Butylbenzene	91	12.219	12.219	(1.018)	1407356	28.5784	1430	
118	1,2-Dichlorobenzene	146	12.331	12.333	(1.028)	1130075	25.9289	1300	
119	1,2-Dibromo-3-Chloropropane	157	12.925	12.924	(1.077)	99246	23.0394	1150	
120	Hexachlorobutadiene	225	13.385	13.385	(1.115)	338555	24.9402	1250	
M 121	TOTAL XYLENE	106				2289059	69.8730	3490	
122	1,2,4-Trichlorobenzene	180	13.407	13.404	(1.117)	713874	25.5109	1280	
124	Naphthalene	128	13.636	13.636	(1.136)	1273178	25.3152	1270	
125	1,2,3-Trichlorobenzene	180	13.761	13.764	(1.147)	679784	27.2734	1360	

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: /var/chem/msv7.i/2080102.s.b/c9403.d

Page 1

Date : 02-JAN-2008 11:26

Client ID: LCSD FOR HBN 364472

Instrument: msv7.i

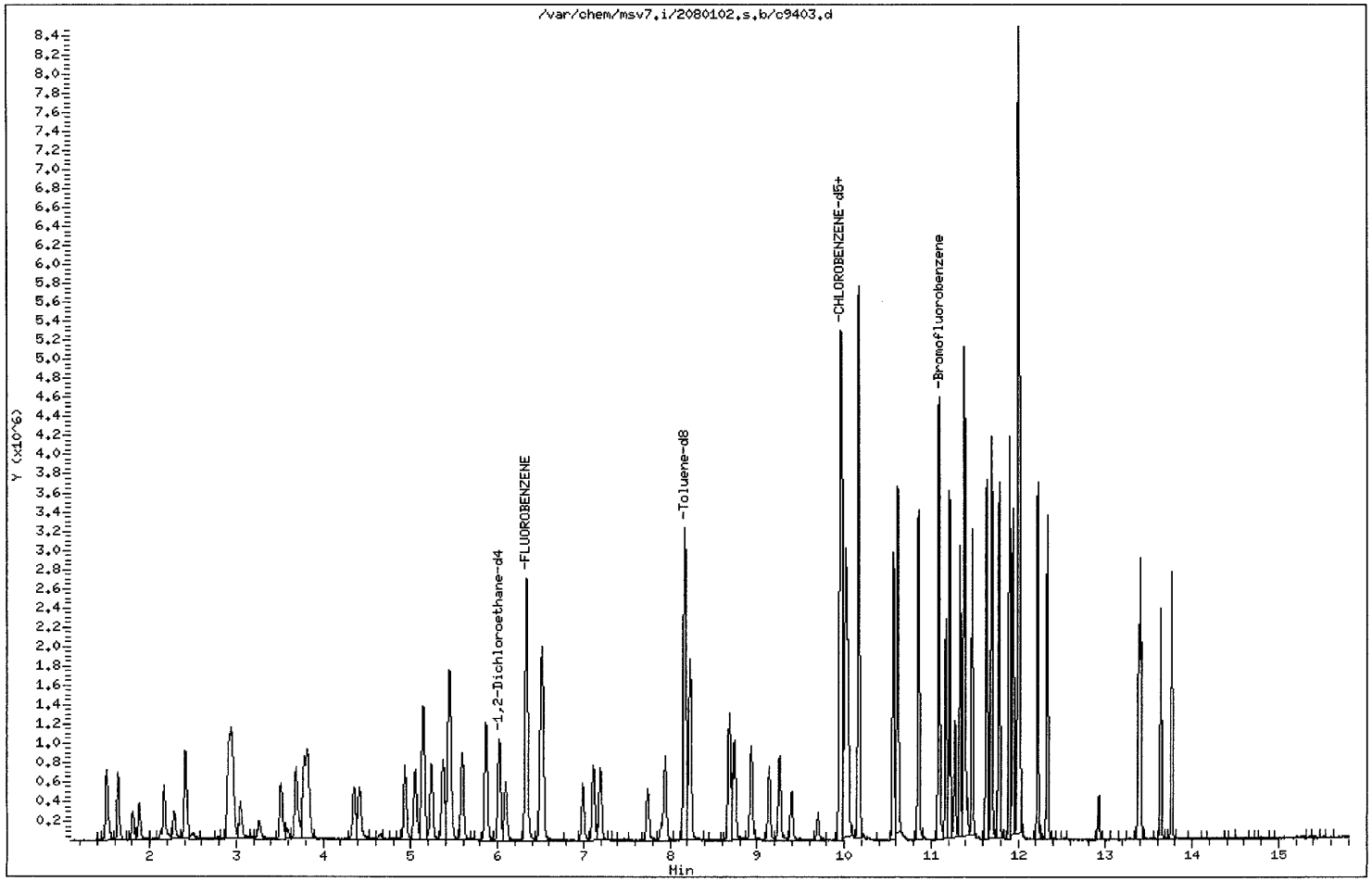
Sample Info: 560660*LCSD FOR HBN 364472

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-20M

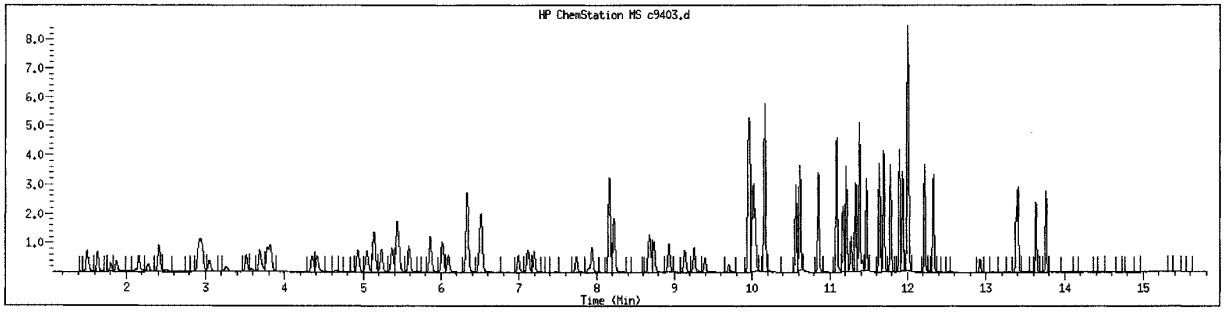
Column diameter: 0.18



Data file : /var/chem/msv7.i/2080102.s.b/c9403.d Page: 1
Report Date: 01/03/2008 10:18

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 560660	SampleType	: LCSD
Injection Date	: 01/02/2008 11:26	Instrument	: msv7.i
Operator	: EGW		
Sample Info	: 560660*LCSD FOR HBN 364472		
Misc Info	: MSV~12203~*50*EGW		
Method	: /var/chem/msv7.i/2080102.s.b/8260bw7C.m		
Dilution	: 50.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED9 MS (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5.02 (g/ml) g

Lab Sample ID: 20712202002

Level: (low/med) LOW

Lab File ID: 2071231/x1951ms

% Moisture: not dec. 18.0

Date Collected: 12/19/07 Time: 1200

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 12/20/07

Instrument ID: MSV0

Date Analyzed: 12/31/07 Time: 1704

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.030		0.000214	0.00607
71-55-6	1,1,1-Trichloroethane	0.033		0.000149	0.00607
79-34-5	1,1,2,2-Tetrachloroethane	0.035		0.000219	0.00607
79-00-5	1,1,2-Trichloroethane	0.030		0.000138	0.00607
75-34-3	1,1-Dichloroethane	0.032		0.000193	0.00607
75-35-4	1,1-Dichloroethene	0.031		0.000436	0.00607
563-58-6	1,1-Dichloropropene	0.031		0.000158	0.00607
96-18-4	1,2,3-Trichloropropane	0.029		0.000298	0.00243
120-82-1	1,2,4-Trichlorobenzene	0.028		0.000397	0.00607
95-63-6	1,2,4-Trimethylbenzene	0.029		0.000241	0.00607
96-12-8	1,2-Dibromo-3-chloropropane	0.029		0.00105	0.00607
106-93-4	1,2-Dibromoethane	0.030		0.000182	0.00607
95-50-1	1,2-Dichlorobenzene	0.029		0.000138	0.00607
107-06-2	1,2-Dichloroethane	0.032		0.000138	0.00607
540-59-0	1,2-Dichloroethene	0.064		0.000352	0.012
78-87-5	1,2-Dichloropropane	0.032		0.000136	0.00607
108-67-8	1,3,5-Trimethylbenzene	0.029		0.000198	0.00607
541-73-1	1,3-Dichlorobenzene	0.029		0.000287	0.00607
142-28-9	1,3-Dichloropropane	0.030		0.000165	0.00607
106-46-7	1,4-Dichlorobenzene	0.028		0.000511	0.00607
594-20-7	2,2-Dichloropropane	0.033		0.000214	0.00607
78-93-3	2-Butanone	0.027		0.000379	0.00607
95-49-8	2-Chlorotoluene	0.029		0.000182	0.00607
591-78-6	2-Hexanone	0.028		0.00100	0.00607
106-43-4	4-Chlorotoluene	0.028		0.000395	0.00607
99-87-6	4-Isopropyltoluene	0.029		0.000196	0.00607
108-10-1	4-Methyl-2-pentanone	0.030		0.000210	0.00607
67-64-1	Acetone	0.033		0.000454	0.030
107-02-8	Acrolein	0.096		0.00284	0.030
107-13-1	Acrylonitrile	0.138		0.000865	0.030
71-43-2	Benzene	0.031		0.000126	0.00607

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED9 MS (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5.02 (g/ml) g

Lab Sample ID: 20712202002

Level: (low/med) LOW

Lab File ID: 2071231/x1951ms

% Moisture: not dec. 18.0

Date Collected: 12/19/07 Time: 1200

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 12/20/07

Instrument ID: MSV0

Date Analyzed: 12/31/07 Time: 1704

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.029		0.000285	0.00607
75-27-4	Bromodichloromethane	0.031		0.000164	0.00607
75-25-2	Bromoform	0.029		0.000205	0.00607
74-83-9	Bromomethane	0.033		0.00183	0.00607
104-51-8	n-Butylbenzene	0.029		0.000216	0.00607
75-15-0	Carbon disulfide	0.025		0.000132	0.00607
56-23-5	Carbon tetrachloride	0.032		0.000146	0.00607
108-90-7	Chlorobenzene	0.030		0.000200	0.00607
75-00-3	Chloroethane	0.025		0.000736	0.00607
67-66-3	Chloroform	0.030		0.000171	0.00607
74-87-3	Chloromethane	0.033		0.000564	0.00607
124-48-1	Dibromochloromethane	0.030		0.000109	0.00607
74-95-3	Dibromomethane	0.033		0.000190	0.00607
75-71-8	Dichlorodifluoromethane	0.030		0.000442	0.00607
10061-01-5	cis-1,3-Dichloropropene	0.031		0.000140	0.00607
10061-02-6	trans-1,3-Dichloropropene	0.030		0.000171	0.00607
100-41-4	Ethylbenzene	0.030		0.000251	0.00607
87-68-3	Hexachlorobutadiene	0.028		0.00151	0.00607
98-82-8	Isopropylbenzene (Cumene)	0.030		0.000186	0.00607
79-20-9	Methyl Acetate	0.020		0.00186	0.00607
74-88-4	Methyl iodide	0.043		0.00110	0.00607
108-87-2	Methylcyclohexane	0.030		0.000450	0.00607
75-09-2	Methylene chloride	0.028		0.000582	0.012
91-20-3	Naphthalene	0.025		0.000457	0.00607
100-42-5	Styrene	0.029		0.000185	0.00607
127-18-4	Tetrachloroethene	0.029		0.000233	0.00607
108-88-3	Toluene	0.030		0.000668	0.00607
79-01-6	Trichloroethene	0.027		0.000215	0.00607
75-69-4	Trichlorofluoromethane	0.031		0.000306	0.00607
76-13-1	Trichlorotrifluoroethane	0.031		0.000228	0.00607
108-05-4	Vinyl acetate	0.00532	J	0.00119	0.00607
75-01-4	Vinyl chloride	0.033		0.000426	0.00607

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED9 MS (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5.02 (g/ml) g

Lab Sample ID: 20712202002

Level: (low/med) LOW

Lab File ID: 2071231/x1951ms

% Moisture: not dec. 18.0

Date Collected: 12/19/07 Time: 1200

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 12/20/07

Instrument ID: MSV0

Date Analyzed: 12/31/07 Time: 1704

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.090		0.000695	0.012
156-59-2	cis-1,2-Dichloroethene	0.033		0.000153	0.00607
136777-61-	m,p-Xylene	0.060		0.000484	0.00607
103-65-1	n-Propylbenzene	0.029		0.000170	0.00607
95-47-6	o-Xylene	0.030		0.000211	0.00607
135-98-8	sec-Butylbenzene	0.029		0.000142	0.00607
1634-04-4	tert-Butyl methyl ether (MTBE)	0.031		0.000089	0.00607
98-06-6	tert-Butylbenzene	0.029		0.000306	0.00607
156-60-5	trans-1,2-Dichloroethene	0.031		0.000199	0.00607
110-57-6	trans-1,4-Dichloro-2-butene	0.029		0.000876	0.00607

GCAL, Inc.

Data file : /var/chem/msv0.i/2071231.b/x1951ms.d
Lab Smp Id: 20712202002
Inj Date : 31-DEC-2007 17:04
Operator : AJV Inst ID: msv0.i
Smp Info : 20712202002*
Misc Info : MSV~12197~*1*AJV
Comment :
Method : /var/chem/msv0.i/2071231.b/8260Bs0.m
Meth Date : 31-Dec-2007 13:34 kcb Quant Type: ISTD
Cal Date : 12-DEC-2007 05:17 Cal File: x1341.d
Als bottle: 16 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.02000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
1	Dichlorodifluoromethane	85	1.569	1.568	(0.241)	73846	24.6152	24.5	8324
2	Chloromethane ++	50	1.742	1.741	(0.268)	115060	27.4981	27.4	9544
4	Vinyl Chloride +	62	1.816	1.815	(0.279)	70791	26.9887	26.9	9441
5	Bromomethane	94	2.102	2.108	(0.323)	40348	27.4567	27.3	9397
6	Chloroethane	64	2.215	2.221	(0.341)	19219	20.8937	20.8	8005
7	Trichlorofluoromethane	101	2.349	2.348	(0.361)	52880	25.2798	25.2	9410
11	1,1-Dichloroethene +	96	2.855	2.861	(0.439)	39887	25.3951	25.3	8125
14	Carbon Disulfide	76	2.875	2.881	(0.442)	155458	20.2859	20.2	9360
9	1,1,2Trichlotrifluoroethane	101	2.902	2.908	(0.446)	51274	25.3610	25.3	9672
13	Methyl Iodide	142	3.002	3.008	(0.462)	50903	35.1065	35.0	9251
10	Acrolein	56	3.242	3.248	(0.499)	35598	79.4392	79.1	9023
18	Methylene Chloride	49	3.515	3.521	(0.541)	58311	22.7014	22.6	9628
12	Acetone	43	3.608	3.621	(0.555)	52217	26.7695	26.7	8870

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.722	3.721	(0.572)	53970	25.5763	25.5	9565
	16 Methyl Acetate	43	3.782	3.781	(0.582)	42778	16.7574	16.7	3989(M1)
	23 Hexane	57	3.828	3.834	(0.589)	61160	23.5487	23.5	9149(M1)
	20 MTBE	73	3.902	3.901	(0.600)	151281	25.4031	25.3	9584
	26 1,1-Dichloroethane ++	63	4.535	4.534	(0.698)	82112	26.5628	26.5	9449
	22 Acrylonitrile	53	4.615	4.621	(0.710)	188128	113.687	113	9762
	27 Vinyl Acetate	43	4.881	4.887	(0.751)	16142	4.37281	4.36	(R)
	30 cis-1,2-Dichloroethene	61	5.175	5.181	(0.796)	68109	26.8197	26.7	9762
	29 2,2-Dichloropropane	77	5.295	5.294	(0.814)	57662	26.9135	26.8	9554
	39 Cyclohexane	56	5.381	5.387	(0.828)	82058	25.2566	25.2	9756
	34 Bromochloromethane	128	5.395	5.401	(0.830)	30442	27.1586	27.1	9820
	38 Chloroform +	83	5.495	5.494	(0.845)	104241	24.9184	24.8	9779
	42 Carbon Tetrachloride	117	5.615	5.620	(0.864)	50939	26.1210	26.0	9257
$	41 Dibromofluoromethane	111	5.688	5.687	(0.875)	123837	62.8239	62.6	7915
	40 1,1,1-Trichloroethane	97	5.695	5.694	(0.876)	60519	26.7984	26.7	7983
	43 1,1-Dichloropropene	75	5.828	5.827	(0.896)	74762	25.6177	25.5	9556
	31 2-Butanone	43	5.841	5.840	(0.898)	88013	22.5195	22.4	
	46 Benzene	78	6.081	6.080	(0.935)	247082	25.2360	25.1	9815
$	47 1,2-Dichloroethane-d4	67	6.221	6.227	(0.957)	64125	61.0095	60.8	9826
	48 1,2-Dichloroethane	62	6.288	6.294	(0.967)	63228	25.9627	25.9	9699
*	49 FLUOROBENZENE	96	6.501	6.500	(1.000)	477577	50.0000		9620
	52 Methyl cyclohexane	83	6.648	6.647	(1.023)	99185	24.5480	24.5	9267
	50 Trichloroethene	130	6.661	6.660	(1.025)	67291	21.9249	21.8	9338
	58 Dibromomethane	93	7.054	7.060	(1.085)	42114	26.9645	26.9	9570
	54 1,2-Dichloropropane +	63	7.148	7.153	(1.099)	60398	26.1074	26.0	9800
	61 Bromodichloromethane	83	7.214	7.213	(1.110)	81661	25.3971	25.3	9741
	64 1-Bromo-2-chloroethane	63	7.641	7.647	(1.175)	115104	25.5379	25.4	9865
	65 cis-1,3-Dichloropropene	75	7.787	7.787	(1.198)	109487	25.9304	25.8	
$	67 Toluene-d8	98	7.947	7.953	(0.855)	432041	58.2149	58.0	9810
	68 Toluene +	91	7.994	7.993	(0.860)	255368	24.2664	24.2	9877
	66 4-methyl-2-pentanone	43	8.334	8.333	(1.282)	135758	24.6315	24.5	
	78 Tetrachloroethene	164	8.334	8.333	(0.897)	54513	23.9670	23.9	9773
	71 trans-1,3-Dichloropropene	75	8.361	8.360	(0.900)	98024	24.4403	24.3	
	76 1,1,2-Trichloroethane	97	8.501	8.500	(0.915)	65451	24.8095	24.7	9747
	81 Dibromochloromethane	129	8.654	8.653	(0.931)	71834	24.3717	24.3	9595
	79 1,3-Dichloropropane	76	8.734	8.733	(0.940)	117851	24.3931	24.3	9834
	83 1,2-Dibromoethane(EDB)	107	8.854	8.860	(0.953)	68806	24.5764	24.5	9535
	80 2-Hexanone	43	9.047	9.046	(0.973)	121827	23.0978	23.0	9768
	84 1-Chlorohexane	91	9.280	9.280	(1.428)	96899	26.5466	26.4	5659
*	85 Chlorobenzene-d5	82	9.294	9.293	(1.000)	219808	50.0000		5372
	86 Chlorobenzene ++	112	9.307	9.306	(1.001)	163014	24.8703	24.8	7647
	87 Ethylbenzene +	106	9.327	9.326	(1.004)	81334	24.8114	24.7	9825
	89 1,1,1,2-Tetrachloroethane	133	9.360	9.360	(1.007)	59719	25.0714	25.0	9727
M	75 Total 1,2-Dichloroethene	61				122079	52.3960	52.2	0
	90 p,m-Xylene	106	9.447	9.446	(1.016)	207080	49.6217	49.4	9878
M	77 1-3 Dichloropropene-Total	100				207511	50.3707	50.2	0
	91 o-Xylene	106	9.814	9.813	(1.056)	100282	24.5734	24.5	

169020

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
	92 Styrene	104	9.860	9.860	(1.061)	171892	23.5992	23.5	9798
	95 Bromoform ++	173	9.887	9.886	(1.064)	57147	24.1087	24.0	9211
	96 Isopropylbenzene	105	10.080	10.079	(1.085)	262020	24.8016	24.7	9776
$	98 Bromofluorobenzene	174	10.327	10.326	(1.111)	153843	53.5891	53.4	9695
	102 Bromobenzene	77	10.420	10.419	(0.923)	135123	23.5886	23.5	9720
	103 n-Propylbenzene	91	10.427	10.433	(0.923)	347759	23.7449	23.7	9294
	101 1,1,2,2-Tetrachloroethane++	83	10.487	10.486	(0.929)	124921	28.4944	28.4	9856
	105 2-Chlorotoluene	91	10.574	10.573	(0.936)	217268	23.8760	23.8	9560
	107 1,3,5-Trimethylbenzene	105	10.594	10.593	(0.938)	218837	23.8889	23.8	
	104 1,2,3-Trichloropropane	75	10.614	10.613	(0.940)	128203	23.6774	23.6	9817
	106 trans-1,4-Dichloro-2-Butene	53	10.640	10.639	(0.942)	12800	23.6129	23.5	9785
	108 4-Chlorotoluene	91	10.713	10.713	(0.949)	197436	23.0670	23.0	9769
	109 tert-butylbenzene	91	10.867	10.866	(0.962)	122543	23.6297	23.5	9816
	110 1,2,4-Trimethylbenzene	105	10.927	10.926	(0.968)	224020	24.2345	24.1	
	112 sec-Butylbenzene	105	11.020	11.019	(0.976)	293209	23.6785	23.6	
	113 p-Isopropyltoluene	119	11.140	11.139	(0.986)	235830	23.6521	23.6	9760
	114 1,3-Dichlorobenzene	146	11.227	11.226	(0.994)	154783	23.6781	23.6	
*	115 1,4-DICHLOROBENZENE-D4	152	11.293	11.293	(1.000)	226102	50.0000		5942
	117 1,4-Dichlorobenzene	146	11.307	11.306	(1.001)	160558	23.4094	23.3	
	119 n-Butylbenzene	91	11.527	11.526	(1.021)	248938	23.7183	23.6	9835
	120 1,2-Dichlorobenzene	146	11.707	11.706	(1.037)	151065	23.9460	23.9	
	121 1,2-Dibromo-3-Chloropropane	157	12.566	12.566	(1.113)	36492	24.0594	24.0	9539
	124 Hexachlorobutadiene	225	13.353	13.359	(1.182)	38189	22.8215	22.7	9531
	123 1,2,4-Trichlorobenzene	180	13.406	13.405	(1.187)	89612	23.0182	22.9	
	125 Napthalene	128	13.773	13.765	(1.220)	281491	20.4090	20.3	9716
	126 1,2,3-Trichlorobenzene	180	13.966	13.965	(1.237)	87340	22.4212	22.3	
M	127 TOTAL XYLENE	106				307362	74.1952	73.9	0

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M1- Compound response manually integrated because
Target system did not integrate.

Data File: /var/chem/msv0.i/2071231.b/x1951ms.d

Page 1

Date : 31-DEC-2007 17:04

Client ID:

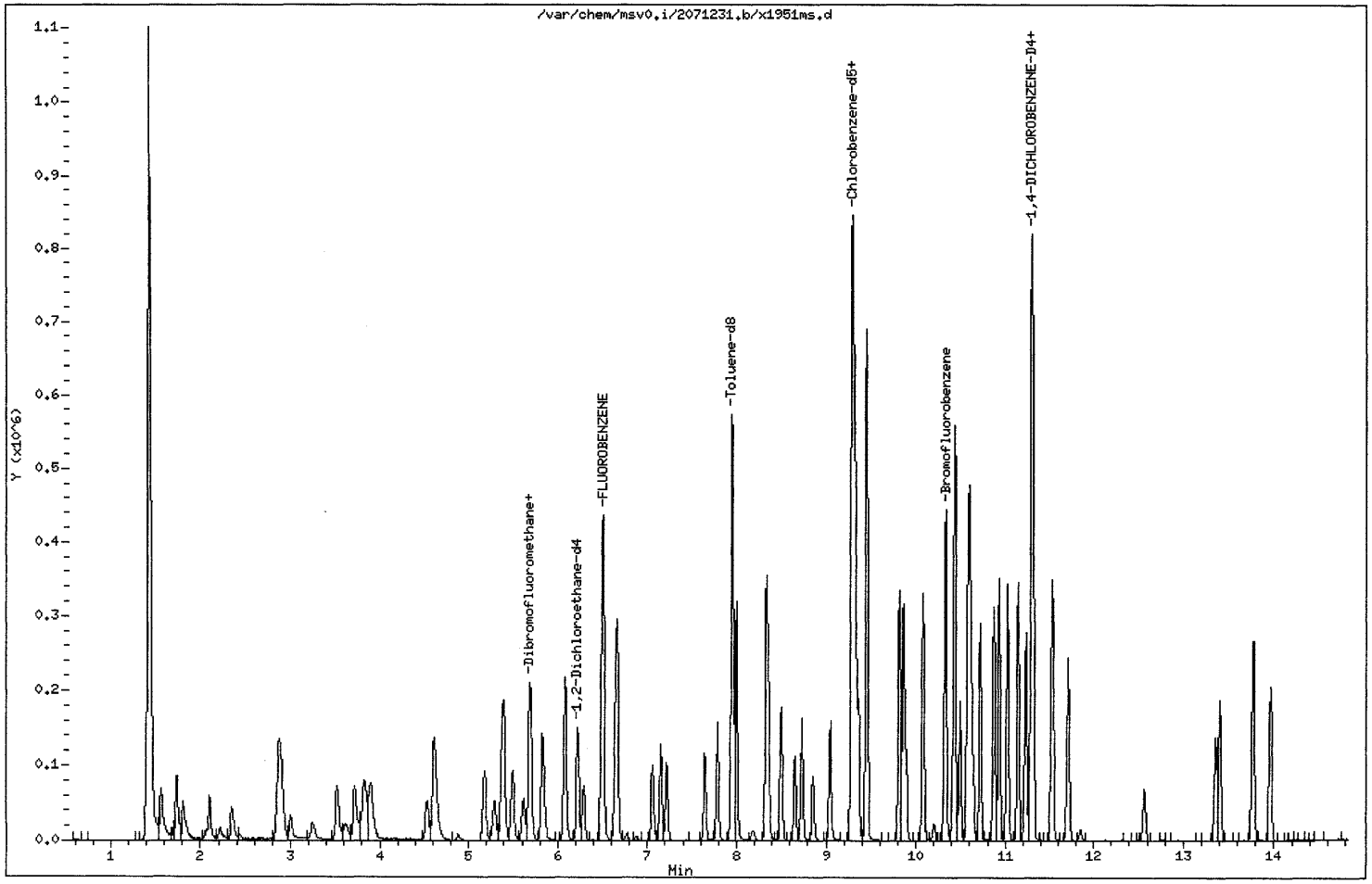
Instrument: msv0.i

Sample Info: 20712202002m

Operator: AJV

Column phase: DB-624-30M

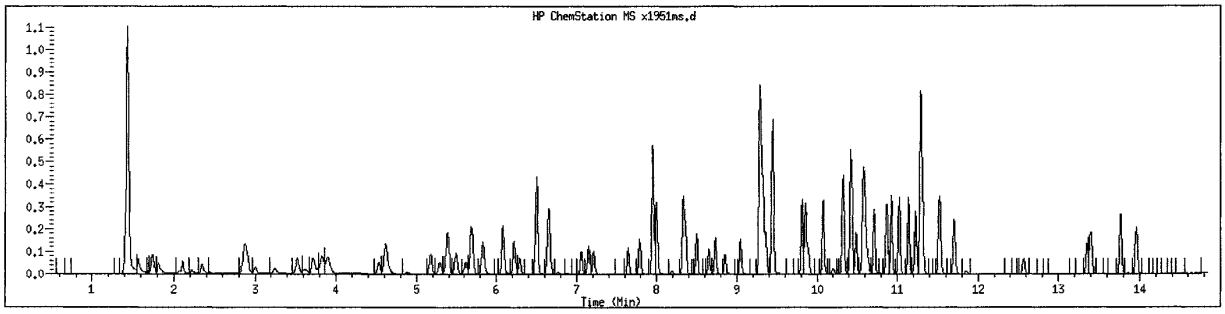
Column diameter: 0.53



Data file : /var/chem/msv0.i/2071231.b/x1951ms.d Page: 1
Report Date: 12/31/2007 17:40

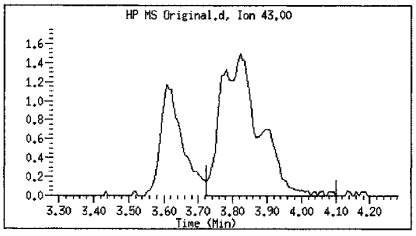
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202002 SampleType : MS
Injection Date: 12/31/2007 17:04 Instrument : msv0.i
Operator : AJV
Sample Info : 20712202002*
Misc Info : MSV~12197~*1*AJV
Method : /var/chem/msv0.i/2071231.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



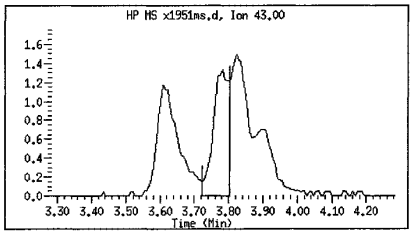
Original Final

16 Methyl Acetate CAS#: 79-20-9 Reason: M1

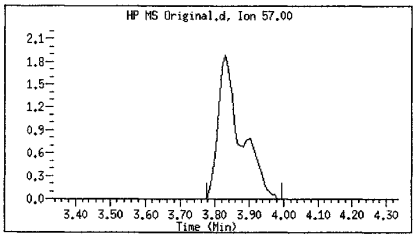


Electronic Signature
Applied

User: ajv
Date: 12/31/2007 17:39

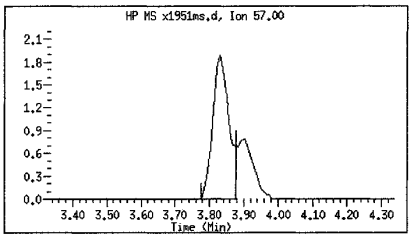


23 Hexane CAS#: 110-54-3 Reason: M1



Electronic Signature
Applied

User: ajv
Date: 12/31/2007 17:40



522

169023

M1 - Target system did not integrate

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED9 MS (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5.02 (g/ml) g

Lab Sample ID: 20712202002

Level: (low/med) LOW

Lab File ID: 2080102/c9407

% Moisture: not dec. 18.0

Date Collected: 12/19/07 Time: 1200

GC Column: DB-VRX-20M ID: .18 (mm)

Date Received: 12/20/07

Instrument ID: MSV7

Date Analyzed: 01/02/08 Time: 1304

Soil Extract Volume: (µL)

Dilution Factor: 50

Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch:

Analytical Batch: 364472

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	1.34		0.012	0.304

FORM I VOA

169025

GCAL, Inc.

Data file : /var/chem/msv7.i/2080102.s.b/c9407.d
Lab Smp Id: 20712202002
Inj Date : 02-JAN-2008 13:04
Operator : ADI Inst ID: msv7.i
Smp Info : 20712202002*
Misc Info : MSV~12203~*50*EGW
Comment :
Method : /var/chem/msv7.i/2080102.s.b/8260bw7C.m
Meth Date : 03-Jan-2008 09:27 kcb Quant Type: ISTD
Cal Date : 28-DEC-2007 22:29 Cal File: c9278.d
Als bottle: 2 QC Sample: MS
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100))/5000 * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Ws	5.02000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
m	0.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
1 Dichlorodifluoromethane	85	1.630	1.642	(0.258)	652462	21.0323	1050	
2 Chloromethane ++	50	1.798	1.806	(0.284)	364366	22.7131	1130	
3 Vinyl Chloride +	62	1.870	1.879	(0.296)	382488	21.0353	1050	
6 Bromomethane	94	2.152	2.166	(0.340)	342398	23.7966	1190	
7 Chloroethane	64	2.255	2.277	(0.356)	282422	22.6904	1130	
8 Trichlorofluoromethane	101	2.369	2.411	(0.375)	536494	13.0594	650	(R)
10 1,1-Dichloroethene +	96	2.874	2.902	(0.454)	425367	28.3899	1410	
11 Carbon Disulfide	76	2.891	2.924	(0.457)	1178979	27.6120	1380	
12 1,1,2Trichlotrifluoroethane	101	2.916	2.955	(0.461)	562448	27.3940	1360	
13 Methyl Iodide	142	3.019	3.044	(0.477)	541336	21.8850	1090	
14 Acrolein	56	3.251	3.262	(0.514)	213017	164.577	8200	
16 Methylene Chloride	49	3.493	3.516	(0.552)	399241	23.7489	1180	

169026

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
	17 Acetone	43	3.580	3.580	(0.566)	134145	14.1207	703	
	18 trans-1,2-Dichloroethene	61	3.669	3.688	(0.580)	522692	24.3750	1210	
	19 Methyl Acetate	43	3.750	3.716	(0.593)	551480	62.1664	3100	2312(R)
	20 Hexane	57	3.755	3.780	(0.594)	546422	23.8431	1190	9415
	21 MTBE	73	3.825	3.822	(0.605)	1282146	23.9978	1200	9394
	26 1,1-Dichloroethane ++	63	4.338	4.349	(0.686)	670791	22.5822	1120	
	27 Acrylonitrile	53	4.408	4.411	(0.697)	519606	116.253	5790	
	28 Vinyl Acetate	43	4.642	4.651	(0.734)	98255	22.9173	1140	
	29 cis-1,2-Dichloroethene	61	4.924	4.932	(0.778)	475466	21.5814	1070	
	30 2,2-Dichloropropane	77	5.033	5.049	(0.795)	667013	21.7695	1080	
	32 Cyclohexane	56	5.119	5.136	(0.809)	478134	21.4601	1070	9009
	34 Bromochloromethane	128	5.139	5.144	(0.812)	215868	20.6671	1030	
	35 Chloroform +	83	5.231	5.233	(0.827)	760837	20.4695	1020	
	36 Carbon Tetrachloride	117	5.356	5.370	(0.847)	681566	23.1109	1150	
$	40 Dibromofluoromethane	111	5.431	5.431	(0.859)	836841	45.8163	2280	9754
	41 1,1,1-Trichloroethane	97	5.442	5.451	(0.860)	782904	22.7772	1130	
	43 1,1-Dichloropropene	75	5.582	5.585	(0.882)	445136	23.6026	1180	
	44 2-Butanone	43	5.593	5.590	(0.884)	128502	20.4200	1020	
	46 Benzene	78	5.855	5.861	(0.925)	1331916	23.5836	1170	
$	50 1,2-Dichloroethane-d4	67	6.009	6.017	(0.950)	468359	44.3091	2210	
	51 1,2-Dichloroethane	62	6.084	6.092	(0.962)	634879	21.4716	1070	
*	53 FLUOROBENZENE	96	6.326	6.329	(1.000)	2785379	50.0000		
	55 Methyl Cyclohexane	83	6.497	6.502	(1.027)	626460	23.2532	1160	9214
	56 Trichloroethene	130	6.511	6.516	(1.029)	505780	21.9341	1090	
	57 Dibromomethane	93	6.985	6.993	(1.104)	207403	20.5602	1020	
	59 1,2-Dichloropropane +	63	7.107	7.116	(1.123)	291392	22.3703	1110	
	60 Bromodichloromethane	83	7.188	7.197	(1.136)	567640	22.4771	1120	
	64 2-Chloroethyl vinyl ether	63	7.899	7.897	(1.249)	98020	22.1329	1100	
	65 1-Bromo-2-chloroethane	144	7.735	7.743	(1.223)	85183	23.1602	1150	8843
	67 cis-1,3-Dichloropropene	75	7.938	7.941	(1.255)	565975	22.1382	1100	
$	68 Toluene-d8	98	8.161	8.164	(0.820)	2660134	55.9550	2790	
	69 Toluene +	91	8.223	8.226	(0.826)	1680214	28.2073	1400	
	71 Tetrachloroethene	164	8.675	8.677	(0.872)	429490	24.7148	1230	
	73 4-methyl-2-pentanone	43	8.722	8.714	(1.379)	210614	19.3961	966	
	74 trans-1,3-Dichloropropene	75	8.736	8.741	(1.381)	577839	22.0228	1100	
M	75 Total 1,2-Dichloroethene	61				998158	45.9565	2290	
	76 1,1,2-Trichloroethane	97	8.931	8.928	(0.897)	341466	22.5373	1120	
	78 Dibromochloromethane	129	9.132	9.135	(0.918)	456252	24.1899	1200	
	79 1,3-Dichloropropane	76	9.255	9.255	(0.930)	541937	25.7110	1280	
	80 1,2-Dibromoethane(EDB)	107	9.394	9.394	(0.944)	332734	24.3185	1210	
M	82 1-3 Dichloropropene total	100				1143814	44.1610	2200	0
	83 2-Hexanone	43	9.701	9.698	(0.975)	128844	19.2259	957	
*	84 CHLOROBENZENE-d5	82	9.952	9.952	(1.000)	1253118	50.0000		
	85 Chlorobenzene ++	112	9.966	9.968	(1.001)	1244000	23.9424	1190	
	86 1-Chlorohexane	91	9.974	9.974	(1.577)	518499	22.9969	1150	7678
	87 Ethylbenzene +	106	10.013	10.016	(1.006)	696236	25.2860	1260	
	88 1,1,1,2-Tetrachloroethane	133	10.038	10.041	(1.009)	516939	24.8008	1240	

169027

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
	89 p,m-Xylene	106	10.161	10.164	(1.021)	1643847	48.2782	2400	
	90 o-Xylene	106	10.565	10.568	(1.062)	728907	23.7011	1180	
	91 Styrene	104	10.615	10.618	(1.067)	1281393	27.1525	1350	
	92 Bromoform ++	173	10.621	10.621	(1.067)	404106	25.0767	1250	
	93 Isopropylbenzene	105	10.855	10.855	(1.091)	1966330	24.0952	1200	
$	95 Bromofluorobenzene	174	11.089	11.089	(1.114)	1313301	51.3425	2560	
	96 Bromobenzene	77	11.170	11.173	(0.931)	768981	25.8099	1290	
	97 n-Propylbenzene	91	11.212	11.212	(0.934)	2256997	24.2950	1210	
	98 1,1,2,2-Tetrachloroethane++	83	11.274	11.274	(0.940)	409069	24.5037	1220	
	99 2-Chlorotoluene	91	11.332	11.332	(0.944)	1364514	23.1261	1150	
	100 1,2,3-Trichloropropane	75	11.380	11.380	(0.948)	421369	24.2077	1210	
	102 1,3,5-Trimethylbenzene	105	11.382	11.382	(0.949)	1914083	24.3499	1210	
	101 trans-1,4-Dichloro-2-Butene	53	11.421	11.421	(0.952)	60214	24.1391	1200	
	104 4-Chlorotoluene	91	11.472	11.472	(0.956)	1522776	23.6378	1180	
	105 tert-butylbenzene	91	11.639	11.636	(0.970)	1073311	24.1581	1200	
	107 1,2,4-Trimethylbenzene	105	11.695	11.695	(0.975)	1886009	23.9849	1190	
	108 sec-Butylbenzene	105	11.778	11.778	(0.982)	2100736	24.0705	1200	
	110 p-Isopropyltoluene	119	11.898	11.898	(0.992)	1930072	23.8889	1190	
	113 1,3-Dichlorobenzene	146	11.940	11.940	(0.995)	1216829	25.7631	1280	
*	114 1,4-DICHLOROBENZENE-D4	152	11.999	11.999	(1.000)	1658766	50.0000		
	115 1,4-Dichlorobenzene	146	12.010	12.010	(1.001)	1297437	24.4573	1220	
	117 n-Butylbenzene	91	12.219	12.219	(1.018)	1492862	29.0526	1450	
	118 1,2-Dichlorobenzene	146	12.330	12.333	(1.028)	1152133	25.3343	1260	
	119 1,2-Dibromo-3-Chloropropane	157	12.924	12.924	(1.077)	87277	19.6519	979	
	120 Hexachlorobutadiene	225	13.382	13.385	(1.115)	362494	25.5919	1270	
M	121 TOTAL XYLENE	106				2372754	71.9794	3580	
	122 1,2,4-Trichlorobenzene	180	13.404	13.404	(1.117)	664817	22.8043	1140	
	124 Naphthalene	128	13.638	13.636	(1.137)	1050050	19.6944	981	
	125 1,2,3-Trichlorobenzene	180	13.761	13.764	(1.147)	630012	24.2241	1210	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/msv7.i/2080102.s.b/c9407.d

Page 1

Date : 02-JAN-2008 13:04

Client ID:

Instrument: msv7.i

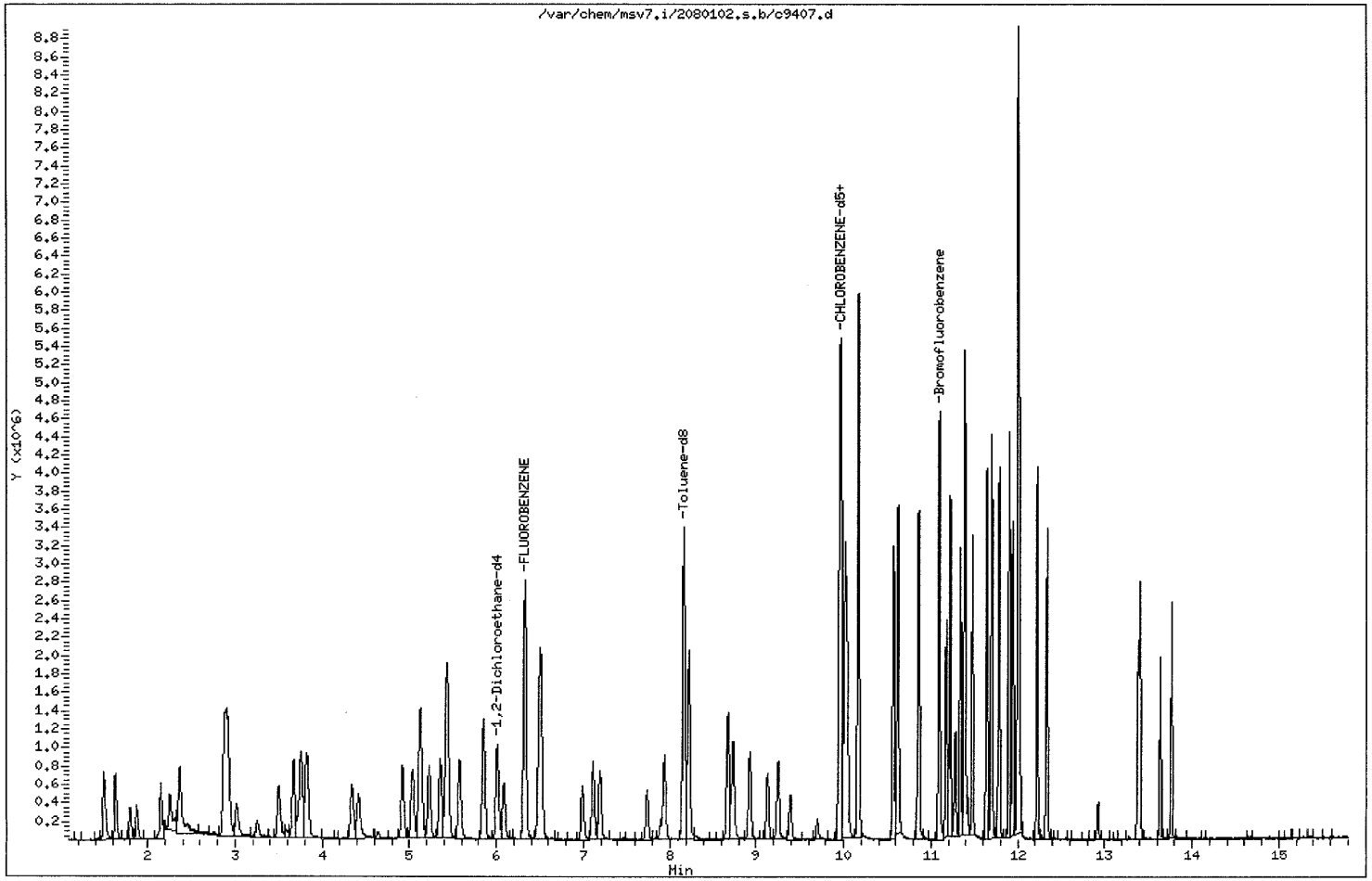
Sample Info: 20712202002*

Purge Volume: 5.0

Operator: ADI

Column phase: DB-VRX-20M

Column diameter: 0.18

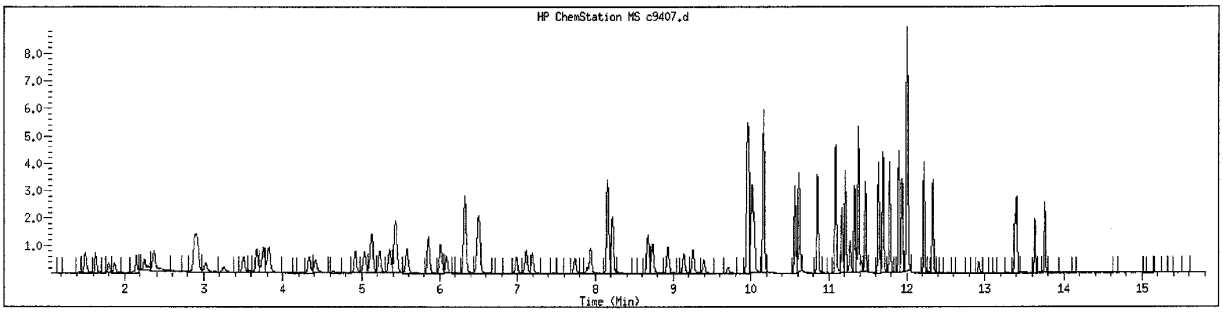


169029

Data file : /var/chem/msv7.i/2080102.s.b/c9407.d Page: 1
Report Date: 01/03/2008 09:28

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20712202002	SampleType	: MS
Injection Date	: 01/02/2008 13:04	Instrument	: msv7.i
Operator	: ADI		
Sample Info	: 20712202002*		
Misc Info	: MSV~12203~*50*EGW		
Method	: /var/chem/msv7.i/2080102.s.b/8260bw7C.m		
Dilution	: 50.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED9 MSD (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g

Lab Sample ID: 20712202003

Level: (low/med) LOW

Lab File ID: 2071231/x1952msd

% Moisture: not dec. 18.0

Date Collected: 12/19/07 Time: 1200

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 12/20/07

Instrument ID: MSV0

Date Analyzed: 12/31/07 Time: 1726

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.029		0.000215	0.00610
71-55-6	1,1,1-Trichloroethane	0.032		0.000150	0.00610
79-34-5	1,1,2,2-Tetrachloroethane	0.033		0.000220	0.00610
79-00-5	1,1,2-Trichloroethane	0.029		0.000139	0.00610
75-34-3	1,1-Dichloroethane	0.031		0.000194	0.00610
75-35-4	1,1-Dichloroethene	0.031		0.000438	0.00610
563-58-6	1,1-Dichloropropene	0.030		0.000159	0.00610
96-18-4	1,2,3-Trichloropropane	0.027		0.000299	0.00244
120-82-1	1,2,4-Trichlorobenzene	0.023		0.000399	0.00610
95-63-6	1,2,4-Trimethylbenzene	0.028		0.000242	0.00610
96-12-8	1,2-Dibromo-3-chloropropane	0.026		0.00106	0.00610
106-93-4	1,2-Dibromoethane	0.028		0.000183	0.00610
95-50-1	1,2-Dichlorobenzene	0.026		0.000139	0.00610
107-06-2	1,2-Dichloroethane	0.029		0.000139	0.00610
540-59-0	1,2-Dichloroethene	0.062		0.000354	0.012
78-87-5	1,2-Dichloropropane	0.030		0.000137	0.00610
108-67-8	1,3,5-Trimethylbenzene	0.028		0.000199	0.00610
541-73-1	1,3-Dichlorobenzene	0.026		0.000288	0.00610
142-28-9	1,3-Dichloropropane	0.027		0.000166	0.00610
106-46-7	1,4-Dichlorobenzene	0.026		0.000514	0.00610
594-20-7	2,2-Dichloropropane	0.034		0.000215	0.00610
78-93-3	2-Butanone	0.024		0.000381	0.00610
95-49-8	2-Chlorotoluene	0.027		0.000183	0.00610
591-78-6	2-Hexanone	0.025		0.00101	0.00610
106-43-4	4-Chlorotoluene	0.027		0.000396	0.00610
99-87-6	4-Isopropyltoluene	0.026		0.000196	0.00610
108-10-1	4-Methyl-2-pentanone	0.027		0.000211	0.00610
67-64-1	Acetone	0.025	J	0.000456	0.030
107-02-8	Acrolein	0.083		0.00285	0.030
107-13-1	Acrylonitrile	0.123		0.000868	0.030
71-43-2	Benzene	0.030		0.000127	0.00610

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED9 MSD (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 20712202003

Level: (low/med) LOW Lab File ID: 2071231/x1952msd

% Moisture: not dec. 18.0 Date Collected: 12/19/07 Time: 1200

GC Column: DB-624-30M ID: .53 (mm) Date Received: 12/20/07

Instrument ID: MSV0 Date Analyzed: 12/31/07 Time: 1726

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.027		0.000287	0.00610
75-27-4	Bromodichloromethane	0.030		0.000165	0.00610
75-25-2	Bromoform	0.026		0.000206	0.00610
74-83-9	Bromomethane	0.036		0.00184	0.00610
104-51-8	n-Butylbenzene	0.025		0.000217	0.00610
75-15-0	Carbon disulfide	0.021		0.000133	0.00610
56-23-5	Carbon tetrachloride	0.032		0.000146	0.00610
108-90-7	Chlorobenzene	0.029		0.000201	0.00610
75-00-3	Chloroethane	0.029		0.000739	0.00610
67-66-3	Chloroform	0.030		0.000172	0.00610
74-87-3	Chloromethane	0.033		0.000566	0.00610
124-48-1	Dibromochloromethane	0.027		0.000110	0.00610
74-95-3	Dibromomethane	0.030		0.000190	0.00610
75-71-8	Dichlorodifluoromethane	0.030		0.000444	0.00610
10061-01-5	cis-1,3-Dichloropropene	0.030		0.000140	0.00610
10061-02-6	trans-1,3-Dichloropropene	0.028		0.000172	0.00610
100-41-4	Ethylbenzene	0.029		0.000252	0.00610
87-68-3	Hexachlorobutadiene	0.022		0.00152	0.00610
98-82-8	Isopropylbenzene (Cumene)	0.029		0.000187	0.00610
79-20-9	Methyl Acetate	0.015		0.00186	0.00610
74-88-4	Methyl iodide	0.046		0.00111	0.00610
108-87-2	Methylcyclohexane	0.027		0.000451	0.00610
75-09-2	Methylene chloride	0.027		0.000584	0.012
91-20-3	Naphthalene	0.022		0.000459	0.00610
100-42-5	Styrene	0.027		0.000185	0.00610
127-18-4	Tetrachloroethene	0.028		0.000234	0.00610
108-88-3	Toluene	0.029		0.000671	0.00610
79-01-6	Trichloroethene	0.026		0.000216	0.00610
75-69-4	Trichlorofluoromethane	0.033		0.000307	0.00610
76-13-1	Trichlorotrifluoroethane	0.031		0.000229	0.00610
108-05-4	Vinyl acetate	0.00361	J	0.00119	0.00610
75-01-4	Vinyl chloride	0.033		0.000428	0.00610

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED9 MSD (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g

Lab Sample ID: 20712202003

Level: (low/med) LOW

Lab File ID: 2071231/x1952msd

% Moisture: not dec. 18.0

Date Collected: 12/19/07 Time: 1200

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 12/20/07

Instrument ID: MSV0

Date Analyzed: 12/31/07 Time: 1726

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.086		0.000698	0.012
156-59-2	cis-1,2-Dichloroethene	0.031		0.000154	0.00610
136777-61-	m,p-Xylene	0.057		0.000485	0.00610
103-65-1	n-Propylbenzene	0.028		0.000171	0.00610
95-47-6	o-Xylene	0.029		0.000212	0.00610
135-98-8	sec-Butylbenzene	0.027		0.000143	0.00610
1634-04-4	tert-Butyl methyl ether (MTBE)	0.029		0.000090	0.00610
98-06-6	tert-Butylbenzene	0.027		0.000307	0.00610
156-60-5	trans-1,2-Dichloroethene	0.031		0.000200	0.00610
110-57-6	trans-1,4-Dichloro-2-butene	0.027		0.000879	0.00610

GCAL, Inc.

Data file : /var/chem/msv0.i/2071231.b/x1952msd.d
Lab Smp Id: 20712202003
Inj Date : 31-DEC-2007 17:26
Operator : AJV Inst ID: msv0.i
Smp Info : 20712202003*
Misc Info : MSV~12197~*1*AJV
Comment :
Method : /var/chem/msv0.i/2071231.b/8260Bs0.m
Meth Date : 31-Dec-2007 13:34 kcb Quant Type: ISTD
Cal Date : 12-DEC-2007 05:17 Cal File: x1341.d
Als bottle: 17 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
1 Dichlorodifluoromethane	85	1.569	1.568	(0.241)	73434	24.7396	24.7	8332
2 Chloromethane ++	50	1.742	1.741	(0.268)	112972	27.2541	27.3	9588
4 Vinyl Chloride +	62	1.815	1.815	(0.279)	69715	26.8626	26.9	9364
5 Bromomethane	94	2.109	2.108	(0.324)	42548	29.8707	29.9	9396
6 Chloroethane	64	2.222	2.221	(0.342)	21382	23.4938	23.5	8234
7 Trichlorofluoromethane	101	2.355	2.348	(0.362)	55264	26.7019	26.7	9447
11 1,1-Dichloroethene +	96	2.862	2.861	(0.440)	39492	25.4125	25.4	7592
14 Carbon Disulfide	76	2.888	2.881	(0.444)	131258	17.3112	17.3	9270
9 1,1,2Trichlotrifluoroethane	101	2.915	2.908	(0.448)	50114	25.0523	25.1	8854
13 Methyl Iodide	142	3.015	3.008	(0.464)	54179	37.7654	37.8	9026(R)
10 Acrolein	56	3.248	3.248	(0.500)	30022	67.7123	67.7	8707
18 Methylene Chloride	49	3.528	3.521	(0.543)	56709	22.3138	22.3	9634
12 Acetone	43	3.622	3.621	(0.557)	42934	20.9060	20.9	8788

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.728	3.721	(0.573)	53142	25.4532	25.5	9556
	16 Methyl Acetate	43	3.781	3.781	(0.582)	32098	12.7080	12.7	8613
	23 Hexane	57	3.835	3.834	(0.590)	54959	21.3874	21.4	9297(M2)
	20 MTBE	73	3.908	3.901	(0.601)	139150	23.6159	23.6	9583
	26 1,1-Dichloroethane ++	63	4.541	4.534	(0.699)	78692	25.7286	25.7	9400
	22 Acrylonitrile	53	4.621	4.621	(0.711)	164626	100.549	101	9775
	27 Vinyl Acetate	43	4.888	4.887	(0.752)	10795	2.95559	2.96	(R)
	30 cis-1,2-Dichloroethene	61	5.181	5.181	(0.797)	63956	25.4536	25.5	9690
	29 2,2-Dichloropropane	77	5.301	5.294	(0.815)	58595	27.6413	27.6	9623
	39 Cyclohexane	56	5.394	5.387	(0.830)	77042	23.9663	24.0	9347
	34 Bromochloromethane	128	5.401	5.401	(0.831)	28656	25.8386	25.8	9750
	38 Chloroform +	83	5.494	5.494	(0.845)	101536	24.5313	24.5	9729
	42 Carbon Tetrachloride	117	5.621	5.620	(0.865)	51075	26.4707	26.5	9348
$	41 Dibromofluoromethane	111	5.694	5.687	(0.876)	122506	62.8131	62.8	7947
	40 1,1,1-Trichloroethane	97	5.694	5.694	(0.876)	59007	26.4083	26.4	7701
	43 1,1-Dichloropropene	75	5.828	5.827	(0.896)	71757	24.8509	24.9	9702
	31 2-Butanone	43	5.848	5.840	(0.900)	76754	19.8487	19.8	
	46 Benzene	78	6.088	6.080	(0.936)	235326	24.2923	24.3	9835
$	47 1,2-Dichloroethane-d4	67	6.228	6.227	(0.958)	60856	58.5183	58.5	9785
	48 1,2-Dichloroethane	62	6.294	6.294	(0.968)	57232	23.7519	23.8	9756
*	49 FLUOROBENZENE	96	6.501	6.500	(1.000)	472525	50.0000		9665
	52 Methyl cyclohexane	83	6.648	6.647	(1.023)	90054	22.5264	22.5	8747
	50 Trichloroethene	130	6.668	6.660	(1.026)	65207	21.4730	21.5	9810
	58 Dibromomethane	93	7.061	7.060	(1.086)	38229	24.7387	24.7	9514
	54 1,2-Dichloropropane +	63	7.154	7.153	(1.100)	56498	24.6827	24.7	9816
	61 Bromodichloromethane	83	7.221	7.213	(1.111)	77068	24.2249	24.2	9681
	64 1-Bromo-2-chloroethane	63	7.647	7.647	(1.176)	104406	23.4120	23.4	9809
	65 cis-1,3-Dichloropropene	75	7.787	7.787	(1.198)	101052	24.1886	24.2	
$	67 Toluene-d8	98	7.954	7.953	(0.856)	429285	59.3350	59.3	9755
	68 Toluene +	91	7.994	7.993	(0.860)	244538	23.8364	23.8	9888
	66 4-methyl-2-pentanone	43	8.334	8.333	(1.282)	120013	22.0076	22.0	
	78 Tetrachloroethene	164	8.334	8.333	(0.897)	51456	23.2063	23.2	9650
	71 trans-1,3-Dichloropropene	75	8.360	8.360	(0.900)	89341	22.8497	22.8	
	76 1,1,2-Trichloroethane	97	8.500	8.500	(0.915)	60115	23.3743	23.4	9856
	81 Dibromochloromethane	129	8.654	8.653	(0.931)	63944	22.2542	22.3	9649
	79 1,3-Dichloropropane	76	8.734	8.733	(0.940)	105838	22.4714	22.5	9859
	83 1,2-Dibromoethane(EDB)	107	8.860	8.860	(0.953)	62601	22.9366	22.9	9456
	80 2-Hexanone	43	9.047	9.046	(0.973)	105658	20.5488	20.5	9838
	84 1-Chlorohexane	91	9.280	9.280	(1.428)	87365	24.1905	24.2	0(M2)
*	85 Chlorobenzene-d5	82	9.294	9.293	(1.000)	214283	50.0000		5193
	86 Chlorobenzene ++	112	9.307	9.306	(1.001)	150391	23.5361	23.5	7476
	87 Ethylbenzene +	106	9.327	9.326	(1.004)	75315	23.5676	23.6	9803
	89 1,1,1,2-Tetrachloroethane	133	9.360	9.360	(1.007)	55556	23.9250	23.9	9687
M	75 Total 1,2-Dichloroethene	61				117098	50.9068	50.9	0
	90 p,m-Xylene	106	9.447	9.446	(1.016)	190457	46.8152	46.8	9844
M	77 1-3 Dichloropropene-Total	100				190393	47.0383	47.0	0
	91 o-Xylene	106	9.813	9.813	(1.056)	93484	23.4983	23.5	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
	92 Styrene	104	9.860	9.860	(1.061)	158344	22.2997	22.3	9765
	95 Bromoform ++	173	9.887	9.886	(1.064)	49752	21.5301	21.5	9178
	96 Isopropylbenzene	105	10.080	10.079	(1.085)	240803	23.3810	23.4	9769
$	98 Bromofluorobenzene	174	10.327	10.326	(1.111)	147553	52.7233	52.7	9713
	102 Bromobenzene	77	10.420	10.419	(0.923)	121548	22.5277	22.5	9703
	103 n-Propylbenzene	91	10.427	10.433	(0.923)	314700	22.8131	22.8	9310
	101 1,1,2,2-Tetrachloroethane++	83	10.487	10.486	(0.929)	110517	26.7639	26.8	9872
	105 2-Chlorotoluene	91	10.573	10.573	(0.936)	190993	22.2833	22.3	9545
	107 1,3,5-Trimethylbenzene	105	10.593	10.593	(0.938)	195453	22.6524	22.7	
	104 1,2,3-Trichloropropane	75	10.613	10.613	(0.940)	113734	22.3009	22.3	9663
	106 trans-1,4-Dichloro-2-Butene	53	10.640	10.639	(0.942)	11200	22.1101	22.1	9706
	108 4-Chlorotoluene	91	10.713	10.713	(0.949)	176166	21.8516	21.9	9789
	109 tert-butylbenzene	91	10.867	10.866	(0.962)	108772	22.2681	22.3	9860
	110 1,2,4-Trimethylbenzene	105	10.927	10.926	(0.968)	196460	22.5641	22.6	
	112 sec-Butylbenzene	105	11.020	11.019	(0.976)	255659	21.9197	21.9	
	113 p-Isopropyltoluene	119	11.140	11.139	(0.986)	203491	21.6677	21.7	9778
	114 1,3-Dichlorobenzene	146	11.226	11.226	(0.994)	131858	21.4154	21.4	
*	115 1,4-DICHLOROBENZENE-D4	152	11.293	11.293	(1.000)	212965	50.0000		5818
	117 1,4-Dichlorobenzene	146	11.306	11.306	(1.001)	135557	20.9835	21.0	
	119 n-Butylbenzene	91	11.526	11.526	(1.021)	205981	20.8361	20.8	9838
	120 1,2-Dichlorobenzene	146	11.706	11.706	(1.037)	127468	21.4520	21.5	
	121 1,2-Dibromo-3-Chloropropane	157	12.566	12.566	(1.113)	30389	21.2716	21.3	9563
	124 Hexachlorobutadiene	225	13.359	13.359	(1.183)	28930	18.3549	18.4	9569
	123 1,2,4-Trichlorobenzene	180	13.399	13.405	(1.187)	69325	18.9056	18.9	(R)
	125 Napthalene	128	13.773	13.765	(1.220)	235315	17.8707	17.9	9706
	126 1,2,3-Trichlorobenzene	180	13.959	13.965	(1.236)	69139	18.8437	18.8	(R)
M	127 TOTAL XYLENE	106				283941	70.3134	70.3	0

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M2- Compound response manually integrated because
Target system integrated incorrectly.

Data File: /var/chem/msv0.i/2071231.b/x1952msd.d

Page 1

Date : 31-DEC-2007 17:26

Client ID:

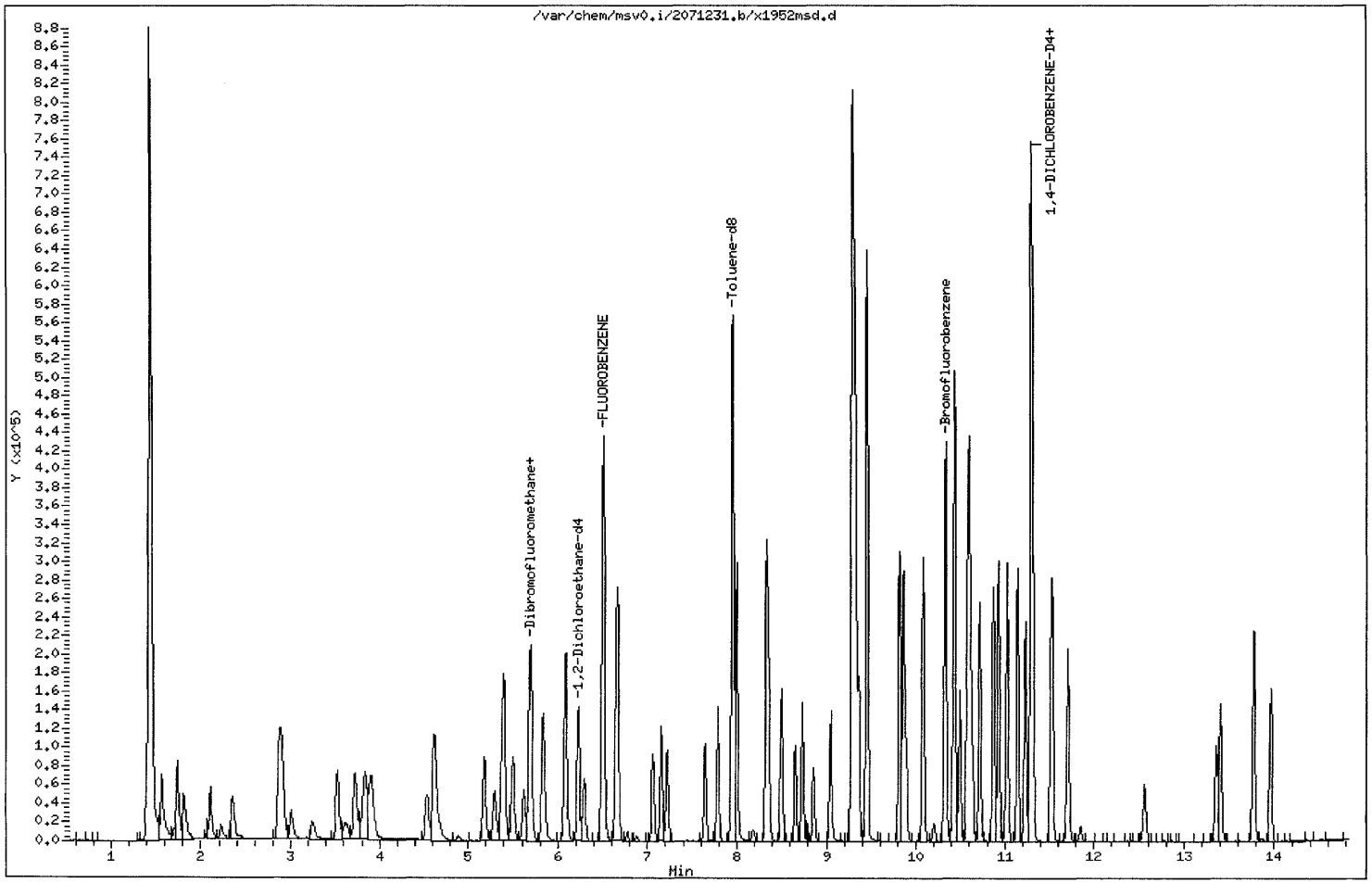
Instrument: msv0.i

Sample Info: 20712202003*

Operator: AJV

Column phase: DB-624-30M

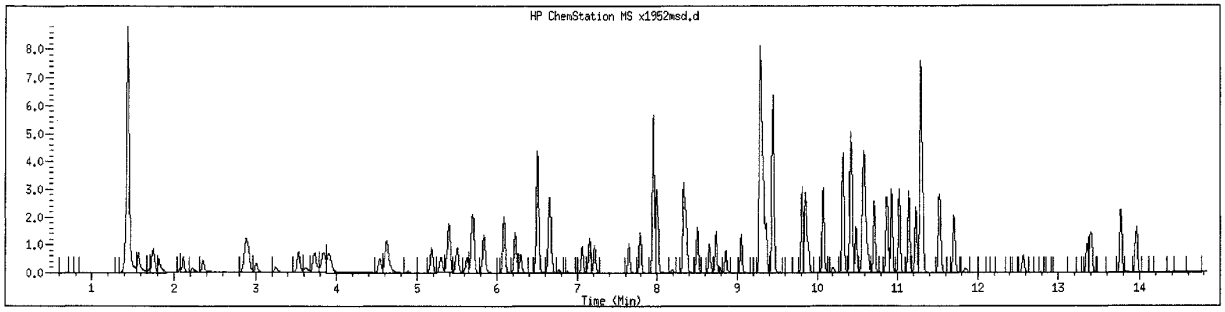
Column diameter: 0.53



Data file : /var/chem/msv0.i/2071231.b/x1952msd.d Page: 1
Report Date: 12/31/2007 17:43

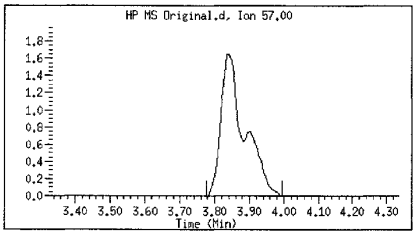
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202003 SampleType : MSD
Injection Date: 12/31/2007 17:26 Instrument : msv0.i
Operator : AJV
Sample Info : 20712202003*
Misc Info : MSV~12197~*1*AJV
Method : /var/chem/msv0.i/2071231.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



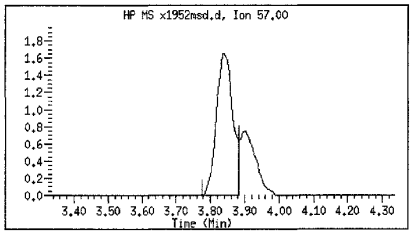
Original Final

23 Hexane CAS#: 110-54-3 Reason: M2

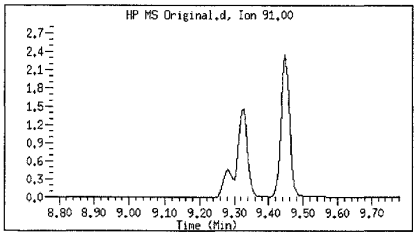


Electronic Signature Applied

User: ajv
Date: 12/31/2007 17:43



84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



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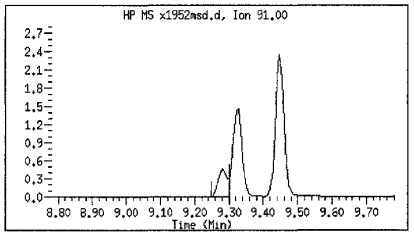


169038

M2 - Target system integrated incorrectly

169039

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED9 MSD (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 20712202003

Level: (low/med) LOW Lab File ID: 2080102/c9408

% Moisture: not dec. 18.0 Date Collected: 12/19/07 Time: 1200

GC Column: DB-VRX-20M ID: .18 (mm) Date Received: 12/20/07

Instrument ID: MSV7 Date Analyzed: 01/02/08 Time: 1327

Soil Extract Volume: (µL) Dilution Factor: 50 Analyst: EGW

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 364472

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	1.29		0.012	0.305

FORM I VOA

169040

GCAL, Inc.

Data file : /var/chem/msv7.i/2080102.s.b/c9408.d
Lab Smp Id: 20712202003
Inj Date : 02-JAN-2008 13:27
Operator : EGW Inst ID: msv7.i
Smp Info : 20712202003*
Misc Info : MSV~122~*50*EGW
Comment :
Method : /var/chem/msv7.i/2080102.s.b/8260bw7C.m
Meth Date : 03-Jan-2008 09:27 kcb Quant Type: ISTD
Cal Date : 28-DEC-2007 22:29 Cal File: c9278.d
Als bottle: 3 QC Sample: MSD
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100))/5000 * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
m	0.00000	

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY	
1	Dichlorodifluoromethane	85	1.630	1.642	(0.258)	635027	20.0829	1000		
2	Chloromethane ++	50	1.795	1.806	(0.284)	358670	21.9350	1100		
3	Vinyl Chloride +	62	1.873	1.879	(0.296)	383373	20.6850	1030		
6	Bromomethane	94	2.149	2.166	(0.340)	320906	21.8079	1090		
7	Chloroethane	64	2.255	2.277	(0.357)	273851	21.5855	1080		
8	Trichlorofluoromethane	101	2.367	2.411	(0.374)	458377	10.9467	547		(R)
10	1,1-Dichloroethene +	96	2.871	2.902	(0.454)	420656	27.5443	1380		
11	Carbon Disulfide	76	2.891	2.924	(0.457)	1158104	26.6098	1330		
12	1,1,2Trichlotrifluoroethane	101	2.913	2.955	(0.461)	541615	25.8802	1290		
13	Methyl Iodide	142	3.019	3.044	(0.477)	581876	23.0788	1150		
14	Acrolein	56	3.248	3.262	(0.514)	228022	172.836	8640		
16	Methylene Chloride	49	3.493	3.516	(0.552)	404855	23.6271	1180		

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
	17 Acetone	43	3.585	3.580	(0.567)	140537	14.8301	742	
	18 trans-1,2-Dichloroethene	61	3.666	3.688	(0.580)	502685	22.9985	1150	
	19 Methyl Acetate	43	3.747	3.716	(0.593)	534433	59.1151	2960	2239(RH)
	20 Hexane	57	3.752	3.780	(0.593)	525182	22.4827	1120	9697
	21 MTBE	73	3.822	3.822	(0.604)	1310390	24.0623	1200	9493
	26 1,1-Dichloroethane ++	63	4.335	4.349	(0.686)	641382	21.1836	1060	
	27 Acrylonitrile	53	4.416	4.411	(0.698)	567445	124.554	6230	
	28 Vinyl Acetate	43	4.642	4.651	(0.734)	106481	24.0732	1200	
	29 cis-1,2-Dichloroethene	61	4.918	4.932	(0.778)	485969	21.6408	1080	
	30 2,2-Dichloropropane	77	5.038	5.049	(0.797)	654633	20.9612	1050	
	32 Cyclohexane	56	5.122	5.136	(0.810)	491872	21.6589	1080	9115
	34 Bromochloromethane	128	5.136	5.144	(0.812)	215247	20.2177	1010	
	35 Chloroform +	83	5.228	5.233	(0.827)	742553	19.5996	980	
	36 Carbon Tetrachloride	117	5.359	5.370	(0.847)	650562	21.6422	1080	
$	40 Dibromofluoromethane	111	5.431	5.431	(0.859)	852324	45.7810	2290	9631
	41 1,1,1-Trichloroethane	97	5.440	5.451	(0.860)	749981	21.4065	1070	
	43 1,1-Dichloropropene	75	5.573	5.585	(0.881)	434992	22.6283	1130	
	44 2-Butanone	43	5.601	5.590	(0.886)	123979	19.3056	965	
	46 Benzene	78	5.852	5.861	(0.925)	1301587	22.5684	1130	
$	50 1,2-Dichloroethane-d4	67	6.011	6.017	(0.951)	469407	43.5680	2180	
	51 1,2-Dichloroethane	62	6.087	6.092	(0.963)	627213	20.8109	1040	
*	53 FLUOROBENZENE	96	6.324	6.329	(1.000)	2839101	50.0000		
	55 Methyl Cyclohexane	83	6.494	6.502	(1.027)	593742	21.6398	1080	9297
	56 Trichloroethene	130	6.510	6.516	(1.030)	490178	20.8552	1040	
	57 Dibromomethane	93	6.987	6.993	(1.105)	215716	20.9797	1050	
	59 1,2-Dichloropropane +	63	7.113	7.116	(1.125)	287014	21.6172	1080	
	60 Bromodichloromethane	83	7.188	7.197	(1.137)	580853	22.5650	1130	
	64 2-Chloroethyl vinyl ether	63	7.894	7.897	(1.248)	94799	21.1914	1060	
	65 1-Bromo-2-chloroethane	144	7.743	7.743	(1.224)	79285	21.1487	1060	8857
	67 cis-1,3-Dichloropropene	75	7.935	7.941	(1.255)	566882	21.7684	1090	
$	68 Toluene-d8	98	8.161	8.164	(0.820)	2698315	57.0498	2850	
	69 Toluene +	91	8.220	8.226	(0.826)	1641822	27.7044	1390	
	71 Tetrachloroethene	164	8.674	8.677	(0.872)	413052	23.8910	1190	
	73 4-methyl-2-pentanone	43	8.722	8.714	(1.379)	208678	18.9252	946	
	74 trans-1,3-Dichloropropene	75	8.739	8.741	(1.382)	563920	21.1284	1060	
M	75 Total 1,2-Dichloroethene	61				988654	44.6392	2230	
	76 1,1,2-Trichloroethane	97	8.931	8.928	(0.897)	346338	22.9763	1150	
	78 Dibromochloromethane	129	9.135	9.135	(0.918)	456690	24.3376	1220	
	79 1,3-Dichloropropane	76	9.252	9.255	(0.930)	530151	25.2811	1260	
	80 1,2-Dibromoethane(EDB)	107	9.397	9.394	(0.944)	351220	25.8015	1290	
M	82 1-3 Dichloropropene total	100				1130802	42.8968	2140	0
	83 2-Hexanone	43	9.701	9.698	(0.975)	134854	20.0993	1000	
*	84 CHLOROBENZENE-d5	82	9.952	9.952	(1.000)	1246711	50.0000		
	85 Chlorobenzene ++	112	9.968	9.968	(1.002)	1223198	23.6630	1180	
	86 1-Chlorohexane	91	9.971	9.974	(1.577)	493882	21.4906	1070	7295
	87 Ethylbenzene +	106	10.016	10.016	(1.006)	658322	24.0319	1200	
	88 1,1,1,2-Tetrachloroethane	133	10.038	10.041	(1.009)	515069	24.8381	1240	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
	89 p,m-Xylene	106	10.164	10.164	(1.021)	1603028	47.2277	2360	
	90 o-Xylene	106	10.565	10.568	(1.062)	731878	23.9151	1200	
	91 Styrene	104	10.615	10.618	(1.067)	1249353	26.6011	1330	
	92 Bromoform ++	173	10.624	10.621	(1.068)	406731	25.3693	1270	
	93 Isopropylbenzene	105	10.855	10.855	(1.091)	1913000	23.4807	1170	
$	95 Bromofluorobenzene	174	11.089	11.089	(1.114)	1305247	51.2899	2560	
	96 Bromobenzene	77	11.167	11.173	(0.931)	769323	26.0983	1300	
	97 n-Propylbenzene	91	11.212	11.212	(0.934)	2166775	23.3544	1170	
	98 1,1,2,2-Tetrachloroethane++	83	11.273	11.274	(0.940)	410863	24.8751	1240	
	99 2-Chlorotoluene	91	11.332	11.332	(0.944)	1353087	23.1851	1160	
	100 1,2,3-Trichloropropane	75	11.379	11.380	(0.948)	411815	23.9126	1200	
	102 1,3,5-Trimethylbenzene	105	11.382	11.382	(0.949)	1837278	23.4622	1170	
	101 trans-1,4-Dichloro-2-Butene	53	11.418	11.421	(0.952)	57090	23.2787	1160	
	104 4-Chlorotoluene	91	11.471	11.472	(0.956)	1503452	23.5801	1180	
	105 tert-butylbenzene	91	11.639	11.636	(0.970)	1039568	23.6166	1180	
	107 1,2,4-Trimethylbenzene	105	11.695	11.695	(0.975)	1845335	23.6505	1180	
	108 sec-Butylbenzene	105	11.778	11.778	(0.982)	2061363	23.8141	1190	
	110 p-Isopropyltoluene	119	11.898	11.898	(0.992)	1905110	23.8180	1190	
	113 1,3-Dichlorobenzene	146	11.940	11.940	(0.995)	1215506	26.0111	1300	
*	114 1,4-DICHLOROBENZENE-D4	152	11.998	11.999	(1.000)	1641165	50.0000		
	115 1,4-Dichlorobenzene	146	12.010	12.010	(1.001)	1290429	24.6042	1230	
	117 n-Butylbenzene	91	12.219	12.219	(1.018)	1471133	28.9368	1450	
	118 1,2-Dichlorobenzene	146	12.330	12.333	(1.028)	1137663	25.2844	1260	
	119 1,2-Dibromo-3-Chloropropane	157	12.922	12.924	(1.077)	93460	21.1470	1060	
	120 Hexachlorobutadiene	225	13.384	13.385	(1.115)	364795	26.0306	1300	
M	121 TOTAL XYLENE	106				2334906	71.1427	3560	
	122 1,2,4-Trichlorobenzene	180	13.404	13.404	(1.117)	728934	25.2359	1260	
	124 Naphthalene	128	13.635	13.636	(1.136)	1147014	21.8627	1090	
	125 1,2,3-Trichlorobenzene	180	13.761	13.764	(1.147)	660770	25.6792	1280	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv7.i/2080102.s.b/c9408.d

Page 1

Date : 02-JAN-2008 13:27

Client ID:

Instrument: msv7.i

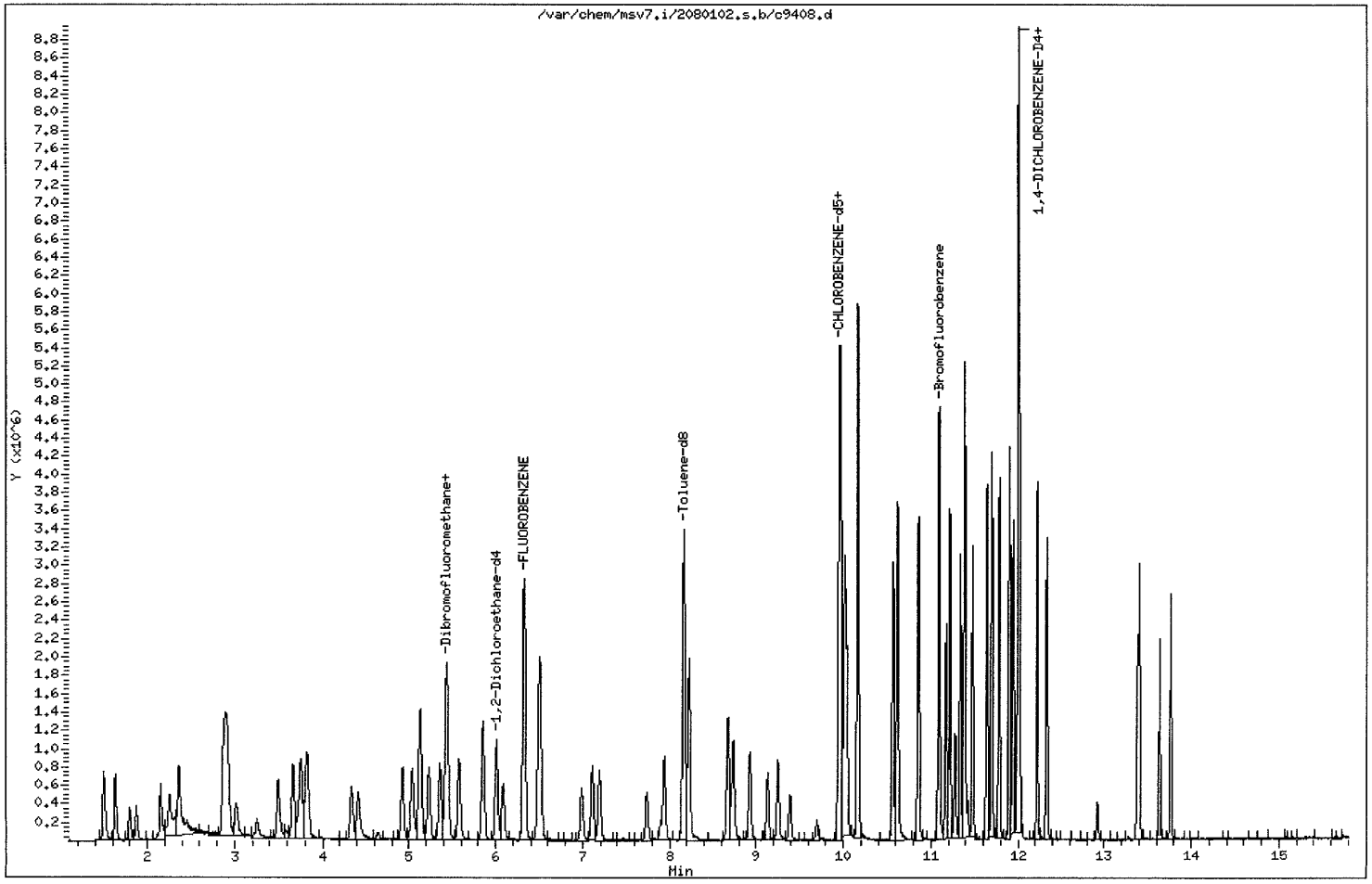
Sample Info: 20712202003*

Purge Volume: 5.0

Operator: EGW

Column phase: DB-WRX-20M

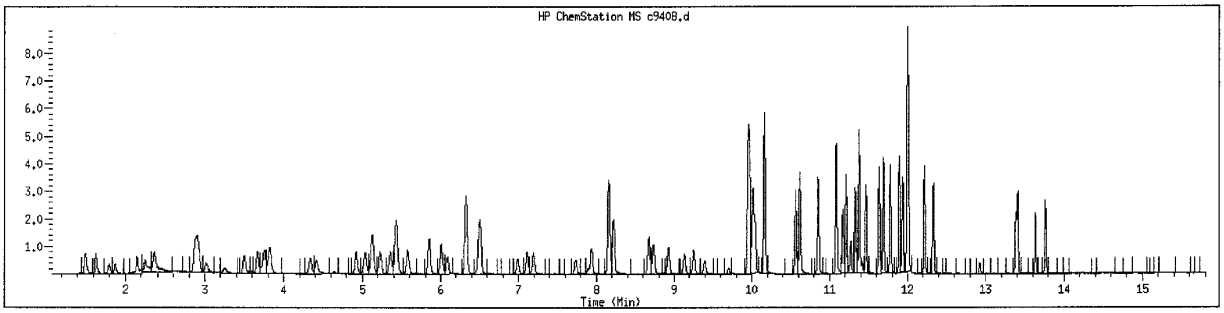
Column diameter: 0.18



Data file : /var/chem/msv7.i/2080102.s.b/c9408.d Page: 1
Report Date: 01/03/2008 09:28

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202003 SampleType : MSD
Injection Date: 01/02/2008 13:27 Instrument : msv7.i
Operator : EGW
Sample Info : 20712202003*
Misc Info : MSV~122~*50*EGW
Method : /var/chem/msv7.i/2080102.s.b/8260bw7C.m
Dilution : 50.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



NO MANUAL INTEGRATIONS

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 12-DEC-2007
Instrument: msv0.i
Analyst(s): KCB

Standard	Conc ppm	
Int. Standard	50	6-12-7
Surrogate	50	6-7-10
AP9 1	250	6-10-1/6-2-8
AP9 2	50	6-11-5/6-2-7
THF	250	6-11-6/6-2-5

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		x1333bfb.d	0.00 ml	12-DEC-2007 02:24	1.000	KCB	2
1000		x1334bfb.d	0.00 ml	12-DEC-2007 02:45	1.000	KCB	2
1206		x1335.d	5.00 g	12-DEC-2007 03:07	1.000	KCB	34
1201		x1336.d	5.00 g	12-DEC-2007 03:29	1.000	KCB	35
1207		x1337.d	5.00 g	12-DEC-2007 03:51	1.000	KCB	36
1202		x1338.d	5.00 g	12-DEC-2007 04:12	1.000	KCB	37
1203		x1339.d	5.00 g	12-DEC-2007 04:34	1.000	KCB	38
1204		x1340.d	5.00 g	12-DEC-2007 04:56	1.000	KCB	39
1205		x1341.d	5.00 g	12-DEC-2007 05:17	1.000	KCB	40
BLANK		x1342.d	5.00 g	12-DEC-2007 05:39	1.000	KCB	41
1600		x1343.d	5.00 g	12-DEC-2007 06:01	1.000	KCB	42
BLANK		x1344.d	5.00 g	12-DEC-2007 06:22	1.000	KCB	43

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 30-DEC-2007
Instrument: msv0.i
Analyst(s): JCK

Standard	Conc ppm	
Int. Standard	50	6-14-2
Surrogate	50	6-13-1
8260	250	6-13-9/6-12-5
Ac/Ac/VA	250/50	6-13-3/6-12-8
CVE	250	6-14-1/6-4-8
AP9 1	250	6-10-1
AP9 2	250	6-13-4

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		x1903.d	0.00 ml	30-DEC-2007 10:57	1.000	JCK	2
1206		x1904.d	5.00 g	30-DEC-2007 11:42	1.000	JCK	1
1201		x1905.d	5.00 g	30-DEC-2007 12:04	1.000	JCK	2
1207		x1906.d	5.00 g	30-DEC-2007 12:25	1.000	JCK	3
1202		x1907.d	5.00 g	30-DEC-2007 12:47	1.000	JCK	4
1203		x1908.d	5.00 g	30-DEC-2007 13:09	1.000	JCK	5
1204		x1909.d	5.00 g	30-DEC-2007 13:31	1.000	JCK	6
1205		x1910.d	5.00 g	30-DEC-2007 13:52	1.000	JCK	7
BLANK		x1911.d	5.00 g	30-DEC-2007 14:14	1.000	JCK	8
1600	RR	x1912.d	5.00 g	30-DEC-2007 14:41	1.000	JCK	9
1600		x1913.d	5.00 g	30-DEC-2007 15:15	1.000	JCK	10
560379		x1914.d	5.00 g	30-DEC-2007 15:59	1.000	JCK	1
560380		x1915.d	5.00 g	30-DEC-2007 16:20	1.000	JCK	2
1400	AP9	x1916.d	5.00 g	30-DEC-2007 16:47	1.000	JCK	3
560378		x1917.d	5.00 g	30-DEC-2007 17:08	1.000	JCK	4
560378		x1918.d	5.00 g	30-DEC-2007 17:30	1.000	JCK	5
560378		x1919.d	5.00 g	30-DEC-2007 18:04	1.000	JCK	6
560378		x1920.d	5.00 g	30-DEC-2007 18:44	1.000	JCK	7
20712200901 A		x1921.d	5.51 g	30-DEC-2007 19:21	1.000	JCK	1
20712200904 A		x1922.d	5.76 g	30-DEC-2007 19:43	1.000	JCK	2
20712200905 A		x1923.d	5.48 g	30-DEC-2007 20:05	1.000	JCK	3
20712200906 A		x1924.d	4.73 g	30-DEC-2007 20:27	1.000	JCK	4
20712200909 A		x1925.d	5.15 g	30-DEC-2007 20:50	1.000	JCK	5
20712200910 A		x1926.d	5.42 g	30-DEC-2007 21:11	1.000	JCK	6
20712200914 A		x1927.d	5.33 g	30-DEC-2007 21:33	1.000	KCB	7
20712200915 A		x1928.d	5.05 g	30-DEC-2007 21:55	1.000	KCB	8
20712200917 A		x1929.d	5.43 g	30-DEC-2007 22:16	1.000	KCB	9
20712200918 A		x1930.d	5.70 g	30-DEC-2007 22:38	1.000	KCB	10
20712200919 A	RR B VIAL out of tune	x1931.d	5.14 g	30-DEC-2007 22:59	1.000	KCB	11
BLANK		x1932.d	5.00 g	30-DEC-2007 23:21	1.000	KCB	12

TUNE = 22:57

Samples 20712200902, 0903, 0921 & 0922 were designated as QC - However, no sample was sent for these.

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 31-DEC-2007
Instrument: msv0.i
Analyst(s): AJV

Standard	Conc ppm	
Int. Standard	50	6-14-2
Surrogate	50	6-13-1
8260	250	6-13-9
Ac/Ac/VA	250/50	6-13-3
CVE	250	6-14-1
APP2	50	6-13-4
APP1	250	6-10-1
THF	250	6-13-10

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		x1933.d	0.00 ml	31-DEC-2007 09:22	1.000	AJV	2
1000		x1934.d	0.00 ml	31-DEC-2007 10:06	1.000	AJV	2
1400	CCV	x1935.d	5.00 g	31-DEC-2007 10:47	1.000	KCB	2
1400	APP9	x1936.d	5.00 g	31-DEC-2007 11:25	1.000	AJV	1
560451		x1937.d	5.00 g	31-DEC-2007 11:49	1.000	AJV	2
560455		x1938.d	5.00 g	31-DEC-2007 12:11	1.000	AJV	3
MB		x1939.d	5.00 g	31-DEC-2007 12:32	1.000	LCB	4
560450		x1940.d	5.00 g	31-DEC-2007 12:54	1.000	KCB	5
20712200919		x1941.d	5.74 g	31-DEC-2007 13:27	1.000	KCB	6
20712202001		x1942.d	5.00 g	31-DEC-2007 13:49	1.000	KCB	7
20712212601		x1943.d	5.39 g	31-DEC-2007 14:10	1.000	KCB	8
20712212602		x1944.d	5.99 g	31-DEC-2007 14:32	1.000	KCB	9
20712212606		x1945.d	5.52 g	31-DEC-2007 14:54	1.000	KCB	10
20712220703		x1946.d	7.00 g	31-DEC-2007 15:16	1.000	KCB	11
20712220704		x1947.d	6.41 g	31-DEC-2007 15:37	1.000	KCB	12
20712220705		x1948.d	6.31 g	31-DEC-2007 15:59	1.000	KCB	13
20712220706		x1949.d	6.55 g	31-DEC-2007 16:21	1.000	KCB	14
20712220708		x1950.d	5.16 g	31-DEC-2007 16:42	1.000	AJV	15
20712202002		x1951ms.d	5.02 g	31-DEC-2007 17:04	1.000	AJV	16
20712202003		x1952msd.d	5.00 g	31-DEC-2007 17:26	1.000	AJV	17
BLANK		x1953.d	5.00 g	31-DEC-2007 17:48	1.000	AJV	18

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 28-DEC-2007
Instrument: msv7.i
Analyst(s): EGW

Standard	Conc ppm	
Int. Standard	50	6-12-7
Surrogate	250	6-11-7
8260	50	6-13-9
Ac/Ac/VA	250/50	6-13-3
CVE	50	6-14-1
8260 ICV	50	6-12-5
Ac/Ac/VA ICV	250/50	6-12-8
CVE ICV	50	6-4-8

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		c9266.d	0.00 ml	28-DEC-2007 16:06	1.000	EGW	2
1400	RR	c9267.d	5.00 ml	28-DEC-2007 16:47	1.000	EGW	2
1400	RR	c9268.d	5.00 ml	28-DEC-2007 17:32	1.000	EGW	3
1400	Run ICAL	c9269.d	5.00 ml	28-DEC-2007 18:07	1.000	EGW	4
BLANK		c9270.d	5.00 ml	28-DEC-2007 19:06	1.000	EGW	5
1205		c9271.d	5.00 ml	28-DEC-2007 19:48	1.000	EGW	1
1207		c9272.d	5.00 ml	28-DEC-2007 20:17	1.000	EGW	2
1208		c9273.d	5.00 ml	28-DEC-2007 20:39	1.000	EGW	3
1201		c9274.d	5.00 ml	28-DEC-2007 21:01	1.000	EGW	4
1206		c9275.d	5.00 ml	28-DEC-2007 21:23	1.000	EGW	5
1202		c9276.d	5.00 ml	28-DEC-2007 21:45	1.000	EGW	6
1400		c9277ccv.d	5.00 ml	28-DEC-2007 22:07	1.000	EGW	7
1203		c9277.d	5.00 ml	28-DEC-2007 22:07	1.000	EGW	7
1204		c9278.d	5.00 ml	28-DEC-2007 22:29	1.000	EGW	8
BLANK		c9279.d	5.00 ml	28-DEC-2007 22:51	1.000	EGW	9
1600	not used; use ICV 12/29/07 file c9290	c9280.d	5.00 ml	28-DEC-2007 23:13	1.000	EGW	10
1600	not used	c9281.d	5.00 ml	28-DEC-2007 23:35	1.000	EGW	11
LCS	not used	c9282.d	5.00 ml	28-DEC-2007 23:57	1.000	EGW	12
LCS	not used	c9283.d	5.00 ml	29-DEC-2007 00:19	1.000	EGW	13
LCS	not used	c9284.d	5.00 ml	29-DEC-2007 00:41	1.000	EGW	14
MB	not used	c9285.d	5.00 ml	29-DEC-2007 01:03	1.000	EGW	15
MB	SolaTek error-run stopped	c9286.d	5.00 ml	29-DEC-2007 01:25	1.000	EGW	16

Tune Time = 04:06

169049

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 02-JAN-2008
Instrument: msv7.i
Analyst(s): EGW

Standard	Conc ppm	
Int. Standard		
Surrogate	50	6-14-2
8260	50	6-14-3
Ac/Ac/VA	250	6-13-9
CVE	250/50	6-13-3
	250	6-14-1

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		c9399.d	0.00 ml	02-JAN-2008 09:16	1.000	EGW	2
1400		c9400.d	5.00 ml	02-JAN-2008 10:05	1.000	EGW	31
1400		c9401.d	5.00 ml	02-JAN-2008 10:42	1.000	EGW	32
560659		c9402.d	5.00 g	02-JAN-2008 11:04	1.000	EGW	2
560660		c9403.d	5.00 g	02-JAN-2008 11:26	1.000	EGW	3
MB		c9404.d	5.00 g	02-JAN-2008 11:49	50.000	EGW	4
560658		c9405.d	5.00 g	02-JAN-2008 12:11	50.000	EGW	5
20712202001		c9406.d	5.00 g	02-JAN-2008 12:42	50.000	EGW	1
20712202002		c9407.d	5.02 g	02-JAN-2008 13:04	50.000	ADI	2
20712202003		c9408.d	5.00 g	02-JAN-2008 13:27	50.000	EGW	3
BLANK		c9409.d	5.00 ml	02-JAN-2008 13:50	50.000	EGW	4
20712213601		c9410.d	4.75 g	02-JAN-2008 14:12	50.000	EGW	5
20712213602		c9411.d	5.41 g	02-JAN-2008 14:34	50.000	EGW	6
20712213603		c9412.d	5.56 g	02-JAN-2008 14:56	50.000	EGW	7
20712213604		c9413.d	5.60 g	02-JAN-2008 15:19	50.000	EGW	8
20712270301		c9414.d	5.00 g	02-JAN-2008 15:41	20000.000	EGW	9
20712270302	RR 1:40000	c9415.d	4.99 g	02-JAN-2008 16:03	10000.000	EGW	10
20712270401	RR 1:10000 CO	c9416.d	5.02 g	02-JAN-2008 16:25	10000.000	EGW	11
20712213605		c9417.d	5.38 g	02-JAN-2008 16:47	50.000	EGW	12
20712213606		c9418.d	5.36 g	02-JAN-2008 17:10	50.000	EGW	13
20712213607		c9419.d	4.43 g	02-JAN-2008 17:32	50.000	EGW	14
BLANK		c9420.d	5.00 g	02-JAN-2008 17:54	50.000	EGW	15
20712213101		c9421.d	5.60 g	02-JAN-2008 18:16	500.000	EGW	16
20712213201		c9422.d	5.26 g	02-JAN-2008 18:38	50.000	EGW	17
20712213401		c9423.d	6.51 g	02-JAN-2008 19:01	1000.000	EGW	18
20712213608		c9424.d	5.53 g	02-JAN-2008 19:23	50.000	EGW	19
20712213609		c9425.d	5.56 g	02-JAN-2008 19:45	50.000	EGW	20
20712213610		c9426.d	5.57 g	02-JAN-2008 20:08	50.000	EGW	21
20712213611		c9427.d	5.06 g	02-JAN-2008 20:30	50.000	EGW	22
20712213613		c9428.d	5.04 g	02-JAN-2008 20:52	50.000	EGW	23
20712270401		c9429.d	5.02 g	02-JAN-2008 21:14	10000.000	EGW	24

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 20-DEC-2007
Instrument: msv9.i
Analyst(s): ADI

Standard	Conc ppm		I
Int. Standard	50	6-9-10	
Surrogate	50	6-13-1	
THF	250	6-11-6	6
APP2	50	6-13-4	6
APP1	250	6-10-1	6

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		a9690.d	0.00 ml	20-DEC-2007 07:43	1.000	ADI	2
1400		a9691.d	5.00 ml	20-DEC-2007 08:28	1.000	ADI	28
BLANK		a9692.d	0.00 ml	20-DEC-2007 09:04	1.000	ADI	2
1208		a9693.d	5.00 ml	20-DEC-2007 09:36	1.000	ADI	1
1201		a9694.d	5.00 ml	20-DEC-2007 09:58	1.000	ADI	2
1206		a9695.d	5.00 ml	20-DEC-2007 10:25	1.000	ADI	3
1202		a9696.d	5.00 ml	20-DEC-2007 10:51	1.000	ADI	4
1203		a9697.d	5.00 ml	20-DEC-2007 11:38	1.000	ADI	5
1204		a9698.d	5.00 ml	20-DEC-2007 12:12	1.000	ADI	6
1205		a9699.d	5.00 ml	20-DEC-2007 12:47	1.000	ADI	7
BLANK		a9700.d	5.00 ml	20-DEC-2007 13:10	1.000	ADI	8
1600		a9701.d	5.00 ml	20-DEC-2007 13:52	1.000	ADI	9

Tune = 19:43

169051

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 29-DEC-2007
Instrument: msv9.i
Analyst(s): JCK

Standard	Conc ppm		ICV
Int. Standard	50	6-9-10	
Surrogate	50	6-13-1	
8260	50	6-13-9	6-12-5
Ac/Ac/VA	250/50	6-13-3	6-12-8
CVE	50	6-14-1	6-4-8

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		b0004.d	0.00 ml	29-DEC-2007 10:53	1.000	JCK	2
BLANK		b0005.d	0.00 ml	29-DEC-2007 11:17	1.000	JCK	2
1205	8260_W ICAL	b0006.d	5.00 ml	29-DEC-2007 11:46	1.000	JCK	1
1207	RR	b0007.d	5.00 ml	29-DEC-2007 12:12	1.000	JCK	2
1208		b0008.d	5.00 ml	29-DEC-2007 12:55	1.000	JCK	3
1201		b0009.d	5.00 ml	29-DEC-2007 13:18	1.000	JCK	4
1206		b0010.d	5.00 ml	29-DEC-2007 13:41	1.000	JCK	5
1202		b0011.d	5.00 ml	29-DEC-2007 14:04	1.000	JCK	6
1203		b0012.d	5.00 ml	29-DEC-2007 14:27	1.000	JCK	7
1204		b0013.d	5.00 ml	29-DEC-2007 14:50	1.000	JCK	8
BLANK		b0014.d	5.00 ml	29-DEC-2007 15:14	1.000	JCK	9
1207		b0015.d	5.00 ml	29-DEC-2007 15:53	1.000	JCK	1
1600		b0016.d	5.00 ml	29-DEC-2007 17:13	1.000	JCK	10
1600	NOT NEEDED	b0017.d	5.00 ml	29-DEC-2007 17:53	1.000	JCK	11

TUNE = 22:53

169052

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 30-DEC-2007
Instrument: msv9.i
Analyst(s): JCK

Standard	Conc ppm	
Int. Standard	50	6-9-10
Surrogate	50	6-13-1
8260	50	6-13-9
Ac/Ac/VA	250/50	6-13-3
CVE	50	6-14-1
APP9-1	250	6-10-1
APP9-2	50	6-13-4
THF	250	6-13-10

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		b0052.d	0.00 ml	30-DEC-2007 08:50	1.000	JCK	2
1400	8260	b0053.d	5.00 ml	30-DEC-2007 09:28	1.000	JCK	1
560388		b0054.d	5.00 ml	30-DEC-2007 10:11	1.000	JCK	1
560389		b0055.d	5.00 ml	30-DEC-2007 10:34	1.000	JCK	2
1400	APP9	b0056.d	5.00 ml	30-DEC-2007 11:00	1.000	JCK	3
MB		b0057.d	5.00 ml	30-DEC-2007 11:23	1.000	JCK	4
560387		b0058.d	5.00 ml	30-DEC-2007 11:46	1.000	JCK	5
20712202014		b0059.d	5.00 ml	30-DEC-2007 12:36	1.000	JCK	4
20712202015		b0060.d	5.00 ml	30-DEC-2007 12:59	1.000	JCK	5
20712202016		b0061.d	5.00 ml	30-DEC-2007 13:22	1.000	JCK	6
20712202017		b0062.d	5.00 ml	30-DEC-2007 13:45	1.000	JCK	7
20712213901	DILUTED DUE TO NT, FOAMING	b0063.d	5.00 ml	30-DEC-2007 14:12	20.000	JCK	8
20712212209		b0064.d	5.00 ml	30-DEC-2007 14:48	40.000	JCK	9
20712220801	RR 1:5	b0065.d	5.00 ml	30-DEC-2007 15:11	1.000	JCK	10
20712220802	RR 1:4	b0066.d	5.00 ml	30-DEC-2007 15:34	1.000	JCK	11
BLANK		b0067.d	5.00 ml	30-DEC-2007 15:58	1.000	JCK	12
560397		b0068ms.d	5.00 ml	30-DEC-2007 16:21	40.000	JCK	13
560398		b0069msd.d	5.00 ml	30-DEC-2007 16:45	40.000	JCK	14
BLANK		b0070.d	5.00 ml	30-DEC-2007 17:09	1.000	JCK	15
20712220809		b0071.d	5.00 ml	30-DEC-2007 17:32	1.000	JCK	16
20712220808		b0072.d	5.00 ml	30-DEC-2007 17:55	1.000	JCK	17
20712220801		b0073.d	5.00 ml	30-DEC-2007 18:18	5.000	JCK	18
20712220802		b0074.d	5.00 ml	30-DEC-2007 18:40	4.000	JCK	19
20712220803	RR 1:100, LR/NO w/ MSV9 12/30P	b0075.d	5.00 ml	30-DEC-2007 19:03	20.000	JCK	20
20712220806		b0076.d	5.00 ml	30-DEC-2007 19:26	4.000	JCK	21
20712220807		b0077.d	5.00 ml	30-DEC-2007 19:48	200.000	JCK	22
20712220804		b0078.d	5.00 ml	30-DEC-2007 20:11	1.000	JCK	23
20712220805		b0079.d	5.00 ml	30-DEC-2007 20:35	1.000	JCK	24

TUNE = 20:50

2-cve only
1µg/L

GCAL, Inc.

Data file : /var/chem/msv7.i/2071228p.s.b/c9273C.d
Lab Smp Id: MDLCheck*1 Client Smp ID: V7STD001
Inj Date : 28-DEC-2007 20:39
Operator : EGW Inst ID: msv7.i
Smp Info : MDL Check*STD001
Misc Info : MSV~12186~*1*EGW
Comment :
Method : /chem/msv7.i/2071228p.s.b/8260bw7c.m
Meth Date : 08-Jan-2008 16:01 rbm Quant Type: ISTD
Cal Date : 28-DEC-2007 22:29 Cal File: c9278.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
1	Dichlorodifluoromethane	85	1.642	1.642	(0.259)	27036	0.86655	0.867	(a)
2	Chloromethane ++	50	1.809	1.809	(0.286)	19881	1.23225	1.23	
3	Vinyl Chloride +	62	1.879	1.881	(0.297)	20341	1.11230	1.11	
6	Bromomethane	94	2.174	2.169	(0.343)	25126	0.89581	0.896	(a)
7	Chloroethane	64	2.283	2.283	(0.360)	15595	1.24580	1.25	
8	Trichlorofluoromethane	101	2.414	2.417	(0.381)	38398	0.92937	0.929	(a)
10	1,1-Dichloroethene +	96	2.910	2.905	(0.459)	16329	1.08363	1.08	
11	Carbon Disulfide	76	2.927	2.930	(0.462)	49323	1.14858	1.15	
12	1,1,2Trichlotrifluoroethane	101	2.963	2.952	(0.468)	18331	0.88773	0.888	(a)
13	Methyl Iodide	142	3.050	3.050	(0.481)	26267	1.05587	1.06	
14	Acrolein	56	3.259	3.270	(0.514)	7086	5.44347	5.44	
16	Methylene Chloride	49	3.524	3.516	(0.556)	18248	1.07930	1.08	
17	Acetone	43	3.585	3.588	(0.566)	65935	1.08661	1.09	(M2)
18	trans-1,2-Dichloroethene	61	3.686	3.694	(0.582)	22849	1.05947	1.06	

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ug/L)	SIMILARITY
	19	Methyl Acetate	43	3.711	3.725	(0.586)	11833	1.53105	1.53	1960(H)
	20	Hexane	57	3.786	3.780	(0.598)	20591	0.89337	0.893	0(aM2)
	21	MTBE	73	3.825	3.825	(0.604)	50306	0.93621	0.936	8373(a)
	26	1,1-Dichloroethane ++	63	4.355	4.355	(0.687)	32130	1.07550	1.08	
	27	Acrylonitrile	53	4.419	4.422	(0.698)	25378	5.64557	5.65	
	28	Vinyl Acetate	43	4.670	4.651	(0.737)	3164	4.22198	4.22	
	29	cis-1,2-Dichloroethene	61	4.935	4.935	(0.779)	24637	1.11191	1.11	
	30	2,2-Dichloropropane	77	5.049	5.055	(0.797)	33172	1.07648	1.08	
	32	Cyclohexane	56	5.136	5.139	(0.811)	19905	0.88831	0.888	7795(a)
	34	Bromochloromethane	128	5.139	5.147	(0.811)	12201	1.16147	1.16	
	35	Chloroform +	83	5.236	5.242	(0.827)	46904	1.25472	1.25	
	36	Carbon Tetrachloride	117	5.370	5.376	(0.848)	29535	0.99579	0.996	(a)
$	40	Dibromofluoromethane	111	5.434	5.437	(0.858)	22283	1.21303	1.21	8146(R)
	41	1,1,1-Trichloroethane	97	5.459	5.454	(0.862)	33428	0.96699	0.967	(a)
	43	1,1-Dichloropropene	75	5.582	5.596	(0.881)	15250	0.80400	0.804	(a)
	44	2-Butanone	43	5.596	5.599	(0.883)	9353	1.07985	1.08	
	46	Benzene	78	5.869	5.866	(0.926)	63204	0.24921	0.249	(a)
$	50	1,2-Dichloroethane-d4	67	6.014	6.023	(0.949)	13402	1.26068	1.26	(R)
	51	1,2-Dichloroethane	62	6.092	6.092	(0.962)	27872	0.93726	0.937	(a)
*	53	FLUOROBENZENE	96	6.335	6.335	(1.000)	2801329	50.0000		
	55	Methyl Cyclohexane	83	6.497	6.502	(1.026)	16965	0.87691	0.877	7942(a)
	56	Trichloroethene	130	6.525	6.522	(1.030)	22425	0.96696	0.967	(a)
	57	Dibromomethane	93	6.987	6.993	(1.103)	10934	1.07774	1.08	
	59	1,2-Dichloropropane +	63	7.113	7.116	(1.123)	12499	0.95409	0.954	(a)
	60	Bromodichloromethane	83	7.191	7.197	(1.135)	25114	0.98879	0.989	(a)
	64	2-Chloroethyl vinyl ether	63	7.894	7.897	(1.246)	1099	3.29338	3.29	(M2)
	65	1-Bromo-2-chloroethane	144	7.738	7.740	(1.221)	3900	1.05432	1.05	7324
	67	cis-1,3-Dichloropropene	75	7.941	7.944	(1.254)	14992	1.38482	1.38	
$	68	Toluene-d8	98	8.164	8.167	(0.820)	42497	0.89546	0.895	(aR)
	69	Toluene +	91	8.228	8.231	(0.827)	44992	0.75664	0.757	(aM2)
	71	Tetrachloroethene	164	8.680	8.683	(0.872)	16234	0.93580	0.936	(a)
	73	4-methyl-2-pentanone	43	8.714	8.716	(1.375)	8376	3.20629	3.21	
	74	trans-1,3-Dichloropropene	75	8.739	8.741	(1.379)	12234	1.44905	1.45	
M	75	Total 1,2-Dichloroethene	61				47486	2.17137	2.17	
	76	1,1,2-Trichloroethane	97	8.931	8.931	(0.897)	14027	0.92741	0.927	(a)
	78	Dibromochloromethane	129	9.129	9.135	(0.917)	17827	0.94681	0.947	(a)
	79	1,3-Dichloropropane	76	9.263	9.255	(0.931)	17389	0.82642	0.826	(a)
	80	1,2-Dibromoethane(EDB)	107	9.400	9.394	(0.944)	11724	0.85836	0.858	(a)
M	82	1-3 Dichloropropene total	100				27226	2.83386	2.83	0
	83	2-Hexanone	43	9.701	9.698	(0.975)	4466	3.02216	3.02	(M2)
*	84	CHLOROBENZENE-d5	82	9.955	9.955	(1.000)	1250944	50.0000		
	85	Chlorobenzene ++	112	9.971	9.971	(1.002)	62106	1.19739	1.20	
	86	1-Chlorohexane	91	9.980	9.977	(1.575)	21438	0.94542	0.945	7104(aM2)
	87	Ethylbenzene +	106	10.008	10.016	(1.005)	22842	0.83102	0.831	(a)
	88	1,1,1,2-Tetrachloroethane	133	10.038	10.041	(1.008)	20317	0.97643	0.976	(aM2)
	89	p,m-Xylene	106	10.169	10.166	(1.022)	46652	2.78140	2.78	(M2)
	90	o-Xylene	106	10.565	10.568	(1.061)	19004	1.60207	1.60	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
	91 Styrene	104	10.615	10.621	(1.066)	28837	0.19308	0.193	(a)
	92 Bromoform ++	173	10.629	10.624	(1.068)	13726	0.85324	0.853	(a)
	93 Isopropylbenzene	105	10.858	10.855	(1.091)	45094	1.74335	1.74	
$	95 Bromofluorobenzene	174	11.090	11.090	(1.114)	26136	1.02354	1.02	(R)
	96 Bromobenzene	77	11.170	11.170	(0.931)	23746	0.82313	0.823	(aM2)
	97 n-Propylbenzene	91	11.212	11.215	(0.934)	54939	1.66783	1.67	
	98 1,1,2,2-Tetrachloroethane++	83	11.276	11.276	(0.940)	16396	1.01433	1.01	
	99 2-Chlorotoluene	91	11.329	11.332	(0.944)	33316	1.40544	1.41	(M2)
	100 1,2,3-Trichloropropane	75	11.382	11.380	(0.949)	16622	0.98624	0.986	(a)
	102 1,3,5-Trimethylbenzene	105	11.382	11.385	(0.949)	38072	1.46171	1.46	
	101 trans-1,4-Dichloro-2-Butene	53	11.385	11.421	(0.949)	1099	3.90149	3.90	(M2)
	104 4-Chlorotoluene	91	11.477	11.474	(0.957)	36272	1.36532	1.37	
	105 tert-butylbenzene	91	11.639	11.639	(0.970)	21102	1.38666	1.39	
	107 1,2,4-Trimethylbenzene	105	11.695	11.695	(0.975)	39979	1.52750	1.53	
	108 sec-Butylbenzene	105	11.781	11.781	(0.982)	48229	1.64676	1.65	
	110 p-Isopropyltoluene	119	11.895	11.898	(0.991)	38572	1.71337	1.71	
	113 1,3-Dichlorobenzene	146	11.937	11.940	(0.995)	43970	0.96146	0.961	(a)
*	114 1,4-DICHLOROBENZENE-D4	152	11.999	11.999	(1.000)	1606118	50.0000		
	115 1,4-Dichlorobenzene	146	12.013	12.013	(1.001)	64230	1.11381	1.11	
	117 n-Butylbenzene	91	12.224	12.219	(1.019)	39020	0.78426	0.784	(a)
	118 1,2-Dichlorobenzene	146	12.333	12.333	(1.028)	45429	1.03169	1.03	
	119 1,2-Dibromo-3-Chloropropane	157	12.922	12.924	(1.077)	4237	2.40308	2.40	
	120 Hexachlorobutadiene	225	13.382	13.385	(1.115)	14174	1.03348	1.03	
M	121 TOTAL XYLENE	106				65656	4.38347	4.38	
	122 1,2,4-Trichlorobenzene	180	13.404	13.404	(1.117)	20094	1.03346	1.03	
	124 Naphthalene	128	13.636	13.636	(1.136)	28277	1.76654	1.77	
	125 1,2,3-Trichlorobenzene	180	13.761	13.764	(1.147)	21101	0.83793	0.838	(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

GCAL, Inc.

0.4 µg/L

Data file : /var/chem/msv7.i/2071228p.s.b/c9272m.d
Lab Smp Id: MDL Check Client Smp ID: V7STD0.40
Inj Date : 28-DEC-2007 20:17
Operator : EGW Inst ID: msv7.i
Smp Info : MDLCheckSTD0.40
Misc Info : MSV~12186~*1*EGW
Comment :
Method : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Meth Date : 09-Jan-2008 07:50 rjo Quant Type: ISTD
Cal Date : 28-DEC-2007 22:29 Cal File: c9278D.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
1 Dichlorodifluoromethane	85	1.639	1.642	(0.259)	15037	0.48038	0.480	(a)
2 Chloromethane ++	50	1.809	1.806	(0.286)	10709	0.66158	0.662	(a)
3 Vinyl Chloride +	62	1.873	1.879	(0.296)	10735	0.58510	0.585	(a)
6 Bromomethane	94	2.174	2.169	(0.343)	15620	0.21022	0.210	(aM2)
7 Chloroethane	64	2.289	2.280	(0.361)	7093	0.56477	0.565	(a)
8 Trichlorofluoromethane	101	2.411	2.411	(0.381)	18575	0.44811	0.448	(a)
10 1,1-Dichloroethene +	96	2.911	2.905	(0.459)	9612	0.63579	0.636	(a)
11 Carbon Disulfide	76	2.925	2.927	(0.462)	29572	0.68639	0.686	(a)
12 1,1,2Trichlotrifluoroethane	101	2.958	2.949	(0.467)	9392	0.45335	0.453	(a)
13 Methyl Iodide	142	3.050	3.050	(0.481)	16700	0.66910	0.669	(a)
16 Methylene Chloride	49	3.510	3.518	(0.554)	10289	0.60657	0.607	(a)
17 Acetone	43	3.585	3.585	(0.566)	67519	1.34420	1.34	
18 trans-1,2-Dichloroethene	61	3.689	3.688	(0.582)	9774	0.45172	0.452	(a)
19 Methyl Acetate	43	3.714	3.725	(0.586)	10828	1.41483	1.41	0(M2)

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ug/L)	SIMILARITY
	20	Hexane	57	3.769	3.783	(0.595)	11909	0.51500	0.515	0(aM2)
	21	MTBE	73	3.822	3.825	(0.603)	25103	0.46565	0.466	7724(a)
	26	1,1-Dichloroethane ++	63	4.358	4.352	(0.688)	12684	0.42319	0.423	(a)
	27	Acrylonitrile	53	4.416	4.416	(0.697)	3620	0.80267	0.803	(a)
	29	cis-1,2-Dichloroethene	61	4.938	4.935	(0.779)	9181	0.41300	0.413	(a)
	30	2,2-Dichloropropane	77	5.041	5.055	(0.796)	15088	0.48803	0.488	(a)
	32	Cyclohexane	56	5.136	5.139	(0.811)	9050	0.40256	0.403	7140(a)
	34	Bromochloromethane	128	5.133	5.144	(0.810)	3811	0.36160	0.362	(a)
	36	Carbon Tetrachloride	117	5.373	5.373	(0.848)	11576	0.38901	0.389	(a)
$	40	Dibromofluoromethane	111	5.429	5.437	(0.857)	9821	0.53288	0.533	7611(aR)
	41	1,1,1-Trichloroethane	97	5.454	5.454	(0.861)	14706	0.42402	0.424	(a)
	43	1,1-Dichloropropene	75	5.590	5.590	(0.882)	7517	0.39501	0.395	(a)
	44	2-Butanone	43	5.599	5.599	(0.884)	7463	0.77101	0.771	(a)
$	50	1,2-Dichloroethane-d4	67	6.020	6.020	(0.950)	7648	0.71707	0.717	(aR)
	51	1,2-Dichloroethane	62	6.095	6.092	(0.962)	11531	0.38649	0.386	(aM2)
*	53	FLUOROBENZENE	96	6.335	6.332	(1.000)	2810521	50.0000		
	55	Methyl Cyclohexane	83	6.500	6.508	(1.026)	9377	0.59884	0.599	7680(a)
	56	Trichloroethene	130	6.525	6.522	(1.030)	9937	0.42708	0.427	(aM2)
	57	Dibromomethane	93	6.990	6.993	(1.103)	4666	0.45841	0.458	(a)
	59	1,2-Dichloropropane +	63	7.124	7.116	(1.125)	5807	0.44182	0.442	(a)
	60	Bromodichloromethane	83	7.186	7.197	(1.134)	8423	0.33055	0.331	(a)
	65	1-Bromo-2-chloroethane	144	7.754	7.749	(1.224)	1439	0.38775	0.388	5751(a)
	67	cis-1,3-Dichloropropene	75	7.947	7.947	(1.254)	6579	1.06898	1.07	
$	68	Toluene-d8	98	8.159	8.167	(0.820)	19813	0.42202	0.422	(aR)
	69	Toluene +	91	8.234	8.231	(0.827)	20475	0.34808	0.348	(aM2)
	71	Tetrachloroethene	164	8.680	8.680	(0.872)	7844	0.45708	0.457	(a)
	74	trans-1,3-Dichloropropene	75	8.739	8.741	(1.379)	5810	1.21605	1.22	(M2)
M	75	Total 1,2-Dichloroethene	61				18955	0.86472	0.865	(a)
	76	1,1,2-Trichloroethane	97	8.928	8.934	(0.897)	6030	0.40302	0.403	(a)
	78	Dibromochloromethane	129	9.146	9.140	(0.919)	7981	0.42849	0.428	(a)
	79	1,3-Dichloropropane	76	9.258	9.257	(0.930)	7039	0.33817	0.338	(a)
	80	1,2-Dibromoethane(EDB)	107	9.391	9.397	(0.943)	5529	0.40920	0.409	(a)
M	82	1-3 Dichloropropene total	100				12389	2.28503	2.29	0
	83	2-Hexanone	43	9.704	9.701	(0.975)	1313	2.61251	2.61	(M2)
*	84	CHLOROBENZENE-d5	82	9.955	9.957	(1.000)	1237484	50.0000		
	86	1 Chlorohexane	91	9.969	9.977	(1.574)	11720	0.51517	0.515	6028(a)
	87	Ethylbenzene +	106	10.019	10.016	(1.006)	11229	0.41297	0.413	(a)
	88	1,1,1,2-Tetrachloroethane	133	10.041	10.044	(1.009)	7795	0.37870	0.379	(aM2)
	89	p,m-Xylene	106	10.161	10.169	(1.021)	17202	2.06086	2.06	(M2)
	90	o-Xylene	106	10.565	10.571	(1.061)	7304	1.24724	1.25	
	92	Bromoform ++	173	10.624	10.624	(1.067)	6041	0.37961	0.380	(a)
	93	Isopropylbenzene	105	10.850	10.858	(1.090)	15497	1.47671	1.48	
$	95	Bromofluorobenzene	174	11.090	11.092	(1.114)	16459	0.65158	0.652	(aR)
	96	Bromobenzene	77	11.171	11.173	(0.931)	10207	0.38185	0.382	(aM2)
	97	n-Propylbenzene	91	11.212	11.215	(0.934)	21357	1.45875	1.46	
	98	1,1,2,2-Tetrachloroethane++	83	11.276	11.276	(0.940)	6456	0.43105	0.431	(a)
	99	2-Chlorotoluene	91	11.332	11.335	(0.944)	12107	1.12315	1.12	(M2)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
100	1,2,3-Trichloropropane	75	11.377	11.382	(0.948)	6731	0.43102	0.431	(a)
102	1,3,5-Trimethylbenzene	105	11.380	11.385	(0.948)	16578	1.27981	1.28	
104	4-Chlorotoluene	91	11.477	11.474	(0.956)	14521	1.11172	1.11	
105	tert-butylbenzene	91	11.639	11.639	(0.970)	9884	1.17896	1.18	
107	1,2,4-Trimethylbenzene	105	11.700	11.697	(0.975)	12371	1.30100	1.30	
108	sec-Butylbenzene	105	11.781	11.781	(0.982)	18759	1.44643	1.45	
110	p-Isopropyltoluene	119	11.896	11.898	(0.991)	14223	1.52695	1.53	
113	1,3-Dichlorobenzene	146	11.937	11.940	(0.995)	16771	0.39578	0.396	(a)
* 114	1,4-DICHLOROBENZENE-D4	152	12.002	12.001	(1.000)	1488182	50.0000		
115	1,4-Dichlorobenzene	146	12.010	12.013	(1.001)	30483	0.58457	0.585	(a)
117	n-Butylbenzene	91	12.219	12.222	(1.018)	19689	0.42709	0.427	(a)
118	1,2-Dichlorobenzene	146	12.336	12.333	(1.028)	18250	0.44730	0.447	(a)
119	1,2-Dibromo-3-Chloropropane	157	12.930	12.927	(1.077)	1950	1.94485	1.94	
120	Hexachlorobutadiene	225	13.387	13.385	(1.115)	8362	0.43340	0.433	(a)
M 121	TOTAL XYLENE	106				24506	3.30810	3.31	
122	1,2,4-Trichlorobenzene	180	13.401	13.404	(1.117)	12018	0.78477	0.785	(a)
124	Naphthalene	128	13.636	13.636	(1.136)	20003	1.65957	1.66	
125	1,2,3-Trichlorobenzene	180	13.761	13.764	(1.147)	10928	0.46835	0.468	(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M2- Compound response manually integrated because
Target system integrated incorrectly.

169059

GCAL, Inc.

1 µg/L

Data file : /var/chem/msv7.i/2071228p.s.b/c9273m.d
Lab Smp Id: MDLCheck Client Smp ID: V7STD001
Inj Date : 28-DEC-2007 20:39
Operator : EGW Inst ID: msv7.i
Smp Info : MDLCheckSTD001
Misc Info : MSV~12186~*1*EGW
Comment :
Method : /var/chem/msv7.i/2071228p.s.b/8260DODW7.m
Meth Date : 09-Jan-2008 07:50 rjo Quant Type: ISTD
Cal Date : 28-DEC-2007 22:29 Cal File: c9278D.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
1 Dichlorodifluoromethane	85	1.642	1.642	(0.259)	27036	0.86655	0.867	(a)
2 Chloromethane ++	50	1.809	1.806	(0.286)	19881	1.23225	1.23	
3 Vinyl Chloride +	62	1.879	1.879	(0.297)	20341	1.11230	1.11	
6 Bromomethane	94	2.174	2.169	(0.343)	25126	0.89581	0.896	(a)
7 Chloroethane	64	2.283	2.280	(0.360)	15595	1.24580	1.25	
8 Trichlorofluoromethane	101	2.414	2.411	(0.381)	38398	0.92937	0.929	(a)
10 1,1-Dichloroethene +	96	2.910	2.905	(0.459)	16329	1.08363	1.08	
11 Carbon Disulfide	76	2.927	2.927	(0.462)	49323	1.14858	1.15	
12 1,1,2Trichlotrifluoroethane	101	2.963	2.949	(0.468)	18331	0.88773	0.888	(a)
13 Methyl Iodide	142	3.050	3.050	(0.481)	26267	1.05587	1.06	
14 Acrolein	56	3.259	3.265	(0.514)	7086	5.44347	5.44	
16 Methylene Chloride	49	3.524	3.518	(0.556)	18248	1.07930	1.08	
17 Acetone	43	3.585	3.585	(0.566)	65935	1.08661	1.09	(M2)
18 trans-1,2-Dichloroethene	61	3.686	3.688	(0.582)	22849	1.05947	1.06	

169060

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ug/L)	SIMILARITY
	19	Methyl Acetate	43	3.711	3.725	(0.586)	11833	1.53105	1.53	1960(H)
	20	Hexane	57	3.786	3.783	(0.598)	20591	0.89337	0.893	0(aM2)
	21	MTBE	73	3.825	3.825	(0.604)	50306	0.93621	0.936	8373(a)
	26	1,1-Dichloroethane ++	63	4.355	4.352	(0.687)	32130	1.07550	1.08	
	27	Acrylonitrile	53	4.419	4.416	(0.698)	25378	5.64557	5.65	
	28	Vinyl Acetate	43	4.670	4.651	(0.737)	3164	4.22198	4.22	
	29	cis-1,2-Dichloroethene	61	4.935	4.935	(0.779)	24637	1.11191	1.11	
	30	2,2-Dichloropropane	77	5.049	5.055	(0.797)	33172	1.07648	1.08	
	32	Cyclohexane	56	5.136	5.139	(0.811)	19905	0.88831	0.888	7795(a)
	34	Bromochloromethane	128	5.139	5.144	(0.811)	12201	1.16147	1.16	
	35	Chloroform +	83	5.236	5.239	(0.827)	46904	0.65849	0.658	(a)
	36	Carbon Tetrachloride	117	5.370	5.373	(0.848)	29535	0.99579	0.996	(a)
$	40	Dibromofluoromethane	111	5.434	5.437	(0.858)	22283	1.21303	1.21	8146(R)
	41	1,1,1-Trichloroethane	97	5.459	5.454	(0.862)	33428	0.96699	0.967	(a)
	43	1,1-Dichloropropene	75	5.582	5.590	(0.881)	15250	0.80400	0.804	(a)
	44	2-Butanone	43	5.596	5.599	(0.883)	9353	1.07985	1.08	
	46	Benzene	78	5.869	5.864	(0.926)	63204	0.14189	0.142	(a)
$	50	1,2-Dichloroethane-d4	67	6.014	6.020	(0.949)	13402	1.26068	1.26	(R)
	51	1,2-Dichloroethane	62	6.092	6.092	(0.962)	27872	0.93726	0.937	(a)
*	53	FLUOROBENZENE	96	6.335	6.332	(1.000)	2801329	50.0000		
	55	Methyl Cyclohexane	83	6.497	6.508	(1.026)	16965	0.87691	0.877	7942(a)
	56	Trichloroethene	130	6.525	6.522	(1.030)	22425	0.96696	0.967	(a)
	57	Dibromomethane	93	6.987	6.993	(1.103)	10934	1.07774	1.08	
	59	1,2-Dichloropropane +	63	7.113	7.116	(1.123)	12499	0.95409	0.954	(a)
	60	Bromodichloromethane	83	7.191	7.197	(1.135)	25114	0.98879	0.989	(a)
	64	2-Chloroethyl vinyl ether	63	7.894	7.899	(1.246)	1099	3.29338	3.29	(M2)
	65	1-Bromo-2-chloroethane	144	7.738	7.749	(1.221)	3900	1.05432	1.05	7324
	67	cis-1,3-Dichloropropene	75	7.941	7.947	(1.254)	14992	1.38482	1.38	
$	68	Toluene-d8	98	8.164	8.167	(0.820)	42497	0.89546	0.895	(aR)
	69	Toluene +	91	8.228	8.231	(0.827)	44992	0.75664	0.757	(aM2)
	71	Tetrachloroethene	164	8.680	8.680	(0.872)	16234	0.93580	0.936	(a)
	73	4-methyl-2-pentanone	43	8.714	8.719	(1.375)	8376	3.20629	3.21	
	74	trans-1,3-Dichloropropene	75	8.739	8.741	(1.379)	12234	1.44905	1.45	
M	75	Total 1,2-Dichloroethene	61				47486	2.17137	2.17	
	76	1,1,2-Trichloroethane	97	8.931	8.934	(0.897)	14027	0.92741	0.927	(a)
	78	Dibromochloromethane	129	9.129	9.140	(0.917)	17827	0.94681	0.947	(a)
	79	1,3-Dichloropropane	76	9.263	9.257	(0.931)	17389	0.82642	0.826	(a)
	80	1,2-Dibromoethane(EDB)	107	9.400	9.397	(0.944)	11724	0.85836	0.858	(a)
M	82	1-3 Dichloropropene total	100				27226	2.83386	2.83	0
	83	2-Hexanone	43	9.701	9.701	(0.975)	4466	3.02216	3.02	(M2)
*	84	CHLOROBENZENE-d5	82	9.955	9.957	(1.000)	1250944	50.0000		
	86	1-Chlorohexane	91	9.980	9.977	(1.575)	21438	0.94542	0.945	7104(aM2)
	87	Ethylbenzene +	106	10.008	10.016	(1.005)	22842	0.83102	0.831	(a)
	88	1,1,1,2-Tetrachloroethane	133	10.038	10.044	(1.008)	20317	0.97643	0.976	(aM2)
	89	p,m-Xylene	106	10.169	10.169	(1.022)	46652	2.78140	2.78	(M2)
	90	o-Xylene	106	10.565	10.571	(1.061)	19004	1.60207	1.60	
	91	Styrene	104	10.615	10.618	(1.066)	28837	0.19308	0.193	(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
92	Bromoform ++	173	10.629	10.624	(1.068)	13726	0.85324	0.853	(a)
93	Isopropylbenzene	105	10.858	10.858	(1.091)	45094	1.74335	1.74	
$ 95	Bromofluorobenzene	174	11.090	11.092	(1.114)	26136	1.02354	1.02	(R)
96	Bromobenzene	77	11.170	11.173	(0.931)	23746	0.82313	0.823	(aM2)
97	n-Propylbenzene	91	11.212	11.215	(0.934)	54939	1.66783	1.67	
98	1,1,2,2-Tetrachloroethane++	83	11.276	11.276	(0.940)	16396	1.01433	1.01	
99	2-Chlorotoluene	91	11.329	11.335	(0.944)	33316	1.40544	1.41	(M2)
100	1,2,3-Trichloropropane	75	11.382	11.382	(0.949)	16622	0.98624	0.986	(a)
102	1,3,5-Trimethylbenzene	105	11.382	11.385	(0.949)	38072	1.46171	1.46	
101	trans-1,4-Dichloro-2-Butene	53	11.385	11.424	(0.949)	1099	3.90149	3.90	(M2)
104	4-Chlorotoluene	91	11.477	11.474	(0.957)	36272	1.36532	1.37	
105	tert-butylbenzene	91	11.639	11.639	(0.970)	21102	1.38666	1.39	
107	1,2,4-Trimethylbenzene	105	11.695	11.697	(0.975)	39979	1.52750	1.53	
108	sec-Butylbenzene	105	11.781	11.781	(0.982)	48229	1.64676	1.65	
110	p-Isopropyltoluene	119	11.895	11.898	(0.991)	38572	1.71337	1.71	
113	1,3-Dichlorobenzene	146	11.937	11.940	(0.995)	43970	0.96146	0.961	(a)
* 114	1,4-DICHLOROBENZENE-D4	152	11.999	12.001	(1.000)	1606118	50.0000		
115	1,4-Dichlorobenzene	146	12.013	12.013	(1.001)	64230	1.11381	1.11	
117	n-Butylbenzene	91	12.224	12.222	(1.019)	39020	0.78426	0.784	(a)
118	1,2-Dichlorobenzene	146	12.333	12.333	(1.028)	45429	1.03169	1.03	
119	1,2-Dibromo-3-Chloropropane	157	12.922	12.927	(1.077)	4237	2.40308	2.40	
120	Hexachlorobutadiene	225	13.382	13.385	(1.115)	14174	0.81238	0.812	(a)
M 121	TOTAL XYLENE	106				65656	4.38347	4.38	
122	1,2,4-Trichlorobenzene	180	13.404	13.404	(1.117)	20094	1.03346	1.03	
124	Naphthalene	128	13.636	13.636	(1.136)	28277	1.76654	1.77	
125	1,2,3-Trichlorobenzene	180	13.761	13.764	(1.147)	21101	0.83793	0.838	(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Method: SW-846 8270 Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	SMC5	#	SMC6	#	SMC7	#	SMC8	#	TOT OUT
1.	SS121907-EB	99		100		112		19		30		84						0
2.	SS121907-FB	97		96		125	*	26		40		88						1
3.	MB558333	100		92		93		89	*	84		116						1
4.	LCS558334	107		102		93		81	*	88		106						1
5.	LCSD558335	102		102		107		113	*	96		101						1

CONTROL LIMITS

SMC 1	Nitrobenzene-d5	43	110
SMC 2	2-Fluorobiphenyl	16	128
SMC 3	Terphenyl-d14	47	121
SMC 4	Phenol-d5	10	76
SMC 5	2-Fluorophenol	24	96
SMC 6	2,4,6-Tribromophenol	19	133
SMC 7			
SMC 8			

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Method: SW-846 8270 Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	SMC5	#	SMC6	#	TOT OUT
1.	2WSED9 (1-2)	95		94		116		81		97		86		0
2.	2WSED9 MS (1-2)	101		102		113		102		104		101		0
3.	2WSED9 MSD (1-2)	100		101		115		91		92		95		0
4.	MB558799	91		88		103		79		97		83		0
5.	LCS558800	98		107		107		97		75		103		0
6.	LCSD558801	98		103		115		94		101		95		0

		CONTROL LIMITS	
SMC 1	Nitrobenzene-d5	40	120
SMC 2	2-Fluorobiphenyl	37	124
SMC 3	Terphenyl-d14	28	151
SMC 4	Phenol-d5	40	114
SMC 5	2-Fluorophenol	38	119
SMC 6	2,4,6-Tribromophenol	25	115

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

FORM II SV-2

169064

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8270

Prep Batch: 363895 Analytical Batch.: 364041

Spike HSN : 558334

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*REC FLAG*	*QC. LIMITS*
1,2 Diphenylhydrazine	mg/L	.1	0	.093	93		60 - 120
2,4,5-Trichlorophenol	mg/L	.1	0	.095	95		60 - 116
2,4,6-Trichlorophenol	mg/L	.1	0	.098	98		59 - 115
2,4-Dichlorophenol	mg/L	.1	0	.095	95		55 - 114
2,4-Dimethylphenol	mg/L	.1	0	.073	73		14 - 122
2,4-Dinitrophenol	mg/L	.1	0	.042	42		18 - 137
2,4-Dinitrotoluene	mg/L	.1	0	.108	108		37 - 138
2,6-Dinitrotoluene	mg/L	.1	0	.101	101		56 - 128
2-Chloronaphthalene	mg/L	.1	0	.094	94		48 - 110
2-Chlorophenol	mg/L	.1	0	.09	90		42 - 111
2-Methyl-4,6-dinitrophenol	mg/L	.1	0	.057	57		49 - 119
2-Methylnaphthalene	mg/L	.1	0	.094	94		40 - 110
2-Nitroaniline	mg/L	.1	0	.103	103		48 - 107
2-Nitrophenol	mg/L	.1	0	.095	95		59 - 110
3,3'-Dichlorobenzidine	mg/L	.1	0	.111	111		51 - 154
3-Nitroaniline	mg/L	.1	0	.105	105		34 - 118
4-Bromophenyl-phenylether	mg/L	.1	0	.098	98		61 - 112
4-Chloro-3-methylphenol	mg/L	.1	0	.098	98		44 - 118
4-Chloroaniline	mg/L	.1	0	.097	97		30 - 114
4-Chlorophenyl-phenylether	mg/L	.1	0	.102	102		52 - 115
4-Nitroaniline	mg/L	.101	0	.105	104		38 - 114
4-Nitrophenol	mg/L	.1	0	.104	104	*	3 - 83
Acenaphthene	mg/L	.1	0	.095	95		52 - 108
Acenaphthylene	mg/L	.1	0	.1	100		55 - 104
Acetophenone	mg/L	.1	0	.089	89		60 - 124
Aniline	mg/L	.1	0	.082	82		19 - 124
Anthracene	mg/L	.1	0	.101	101		58 - 113
Atrazine (Aatrex)	mg/L	.1	0	.103	103		39 - 148
Benzaldehyde	mg/L	.1	0	.099	99		40 - 118
Benzidine	mg/L	.1	0	.06	60		10 - 119
Benzo(a)anthracene	mg/L	.1	0	.095	95		56 - 113
Benzo(a)pyrene	mg/L	.1	0	.104	104		56 - 118
Benzo(b)fluoranthene	mg/L	.1	0	.094	94		55 - 116
Benzo(g,h,i)perylene	mg/L	.1	0	.15	150	*	44 - 132
Benzo(k)fluoranthene	mg/L	.1	0	.1	100		49 - 121

RPD : 1 out of 70 outside limits

Spike Recovery: 15 out of 140 outside limits

FORM III SV-1

3C

WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8270

Prep Batch: 363895 Analytical Batch.: 364041

Benzoic acid	mg/L	.1	0	.111	111	*	10	-	41
Benzyl alcohol	mg/L	.1	0	.094	94		32	-	113
Biphenyl	mg/L	.1	0	.099	99		39	-	122
Bis(2-Chloroethoxy)methane	mg/L	.1	0	.094	94		56	-	112
Bis(2-Chloroethyl)ether	mg/L	.1	0	.091	91		37	-	117
Butylbenzylphthalate	mg/L	.1	0	.099	99		62	-	122
Caprolactam	mg/L	.1	0	.114	114	*	4	-	41
Carbazole	mg/L	.1	0	.105	105		47	-	107
Chrysene	mg/L	.098	0	.107	109		58	-	117
Di-n-butylphthalate	mg/L	.1	0	.107	107		62	-	122
Di-n-octylphthalate	mg/L	.1	0	.113	113		56	-	133
Dibenz(a,h)anthracene	mg/L	.1	0	.137	137		50	-	138
Dibenzofuran	mg/L	.1	0	.097	97		54	-	112
Diethylphthalate	mg/L	.1	0	.108	108		56	-	120
Dimethyl-phthalate	mg/L	.1	0	.102	102		59	-	116
Fluoranthene	mg/L	.1	0	.106	106		55	-	118
Fluorene	mg/L	.1	0	.099	99		54	-	111
Hexachlorobenzene	mg/L	.1	0	.097	97		61	-	112
Hexachlorocyclopentadiene	mg/L	.1	0	.061	61		16	-	98
Hexachloroethane	mg/L	.1	0	.086	86		21	-	95
Indeno(1,2,3-cd)pyrene	mg/L	.1	0	.166	166	*	43	-	133
Isophorone	mg/L	.1	0	.095	95		53	-	117
N-Nitroso-di-n-propylamine	mg/L	.1	0	.095	95		47	-	118
N-Nitrosodimethylamine	mg/L	.1	0	.152	152	*	12	-	82
N-Nitrosodiphenylamine	mg/L	.098	0	.102	104		58	-	121
Nitrobenzene	mg/L	.1	0	.076	76		53	-	113
Pentachlorophenol	mg/L	.1	0	.119	119		25	-	158
Phenanthrene	mg/L	.1	0	.097	97		58	-	111
Phenol	mg/L	.1	0	.095	95	*	16	-	65
Pyrene	mg/L	.1	0	.088	88		54	-	117
Pyridine	mg/L	.1	0	.054	54		2	-	75
bis(2-Chloroisopropyl)ether	mg/L	.1	0	.09	90		47	-	116
bis(2-ethylhexyl)phthalate	mg/L	.1	0	.1	100		56	-	132
m,p-Cresol	mg/L	.1	0	.091	91		24	-	104
o-Cresol	mg/L	.1	0	.093	93		31	-	110

RPD : 1 out of 70 outside limits

Spike Recovery: 15 out of 140 outside limits

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8270

Prep Batch: 363895 Analytical Batch.: 364041

Spike Dupe HSN : 558335

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
1,2 Diphenylhydrazine	mg/L	.1	.101	101		8		60 - 120	0 - 50
2,4,5-Trichlorophenol	mg/L	.1	.102	102		7		60 - 116	0 - 50
2,4,6-Trichlorophenol	mg/L	.1	.104	104		6		59 - 115	0 - 50
2,4-Dichlorophenol	mg/L	.1	.097	97		2		55 - 114	0 - 50
2,4-Dimethylphenol	mg/L	.1	.082	82		12		14 - 122	0 - 50
2,4-Dinitrophenol	mg/L	.1	.053	53		23		18 - 137	0 - 50
2,4-Dinitrotoluene	mg/L	.1	.11	110		2		37 - 138	0 - 33
2,6-Dinitrotoluene	mg/L	.1	.106	106		5		56 - 128	0 - 50
2-Chloronaphthalene	mg/L	.1	.097	97		3		48 - 110	0 - 50
2-Chlorophenol	mg/L	.1	.095	95		5		42 - 111	0 - 24
2-Methyl-4,6-dinitrophenol	mg/L	.1	.071	71		22		49 - 119	0 - 50
2-Methylnaphthalene	mg/L	.1	.096	96		2		40 - 110	0 - 50
2-Nitroaniline	mg/L	.1	.104	104		1		48 - 107	0 - 50
2-Nitrophenol	mg/L	.1	.099	99		4		59 - 110	0 - 50
3,3'-Dichlorobenzidine	mg/L	.1	.119	119		7		51 - 154	0 - 50
3-Nitroaniline	mg/L	.1	.105	105		0		34 - 118	0 - 50
4-Bromophenyl-phenylether	mg/L	.1	.109	109		11		61 - 112	0 - 50
4-Chloro-3-methylphenol	mg/L	.1	.103	103		5		44 - 118	0 - 26
4-Chloroaniline	mg/L	.1	.101	101		4		30 - 114	0 - 50
4-Chlorophenyl-phenylether	mg/L	.1	.106	106		4		52 - 115	0 - 50
4-Nitroaniline	mg/L	.101	.105	104		0		38 - 114	0 - 50
4-Nitrophenol	mg/L	.1	.1	100	*	4		3 - 83	0 - 31
Acenaphthene	mg/L	.1	.098	98		3		52 - 108	0 - 32
Acenaphthylene	mg/L	.1	.103	103		3		55 - 104	0 - 50
Acetophenone	mg/L	.1	.096	96		8		60 - 124	0 - 50
Aniline	mg/L	.1	.087	87		6		19 - 124	0 - 50
Anthracene	mg/L	.1	.105	105		4		58 - 113	0 - 50
Atrazine (Aatrex)	mg/L	.1	.109	109		6		39 - 148	0 - 50
Benzaldehyde	mg/L	.1	.202	202	*	68	*	40 - 118	0 - 50
Benzidine	mg/L	.1	.057	57		5		10 - 119	0 - 50
Benzo(a)anthracene	mg/L	.1	.111	111		16		56 - 113	0 - 50
Benzo(a)pyrene	mg/L	.1	.109	109		5		56 - 118	0 - 50
Benzo(b)fluoranthene	mg/L	.1	.113	113		18		55 - 116	0 - 50
Benzo(g,h,i)perylene	mg/L	.1	.15	150	*	0		44 - 132	0 - 50
Benzo(k)fluoranthene	mg/L	.1	.098	98		2		49 - 121	0 - 50

RPD : 1 out of 70 outside limits

Spike Recovery: 15 out of 140 outside limits

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8270

Prep Batch: 363895 Analytical Batch.: 364041

Benzoic acid	mg/L	.1	.095	95	*	16		10 - 41	0 - 50
Benzyl alcohol	mg/L	.1	.098	98		4		32 - 113	0 - 50
Biphenyl	mg/L	.1	.104	104		5		39 - 122	0 - 50
Bis(2-Chloroethoxy)methane	mg/L	.1	.1	100		6		56 - 112	0 - 50
Bis(2-Chloroethyl)ether	mg/L	.1	.095	95		4		37 - 117	0 - 50
Butylbenzylphthalate	mg/L	.1	.11	110		11		62 - 122	0 - 50
Caprolactam	mg/L	.1	.101	101	*	12		4 - 41	0 - 50
Carbazole	mg/L	.1	.103	103		2		47 - 107	0 - 50
Chrysene	mg/L	.098	.107	109		0		58 - 117	0 - 50
Di-n-butylphthalate	mg/L	.1	.114	114		6		62 - 122	0 - 50
Di-n-octylphthalate	mg/L	.1	.12	120		6		56 - 133	0 - 50
Dibenz(a,h)anthracene	mg/L	.1	.134	134		2		50 - 138	0 - 50
Dibenzofuran	mg/L	.1	.098	98		1		54 - 112	0 - 50
Diethylphthalate	mg/L	.1	.111	111		3		56 - 120	0 - 50
Dimethyl-phthalate	mg/L	.1	.108	108		6		59 - 116	0 - 50
Fluoranthene	mg/L	.1	.106	106		0		55 - 118	0 - 50
Fluorene	mg/L	.1	.102	102		3		54 - 111	0 - 50
Hexachlorobenzene	mg/L	.1	.11	110		13		61 - 112	0 - 50
Hexachlorocyclopentadiene	mg/L	.1	.071	71		15		16 - 98	0 - 50
Hexachloroethane	mg/L	.1	.087	87		1		21 - 95	0 - 50
Indeno(1,2,3-cd)pyrene	mg/L	.1	.156	156	*	6		43 - 133	0 - 50
Isophorone	mg/L	.1	.1	100		5		53 - 117	0 - 50
N-Nitroso-di-n-propylamine	mg/L	.1	.101	101		6		47 - 118	0 - 32
N-Nitrosodimethylamine	mg/L	.1	.102	102	*	39		12 - 82	0 - 50
N-Nitrosodiphenylamine	mg/L	.098	.113	115		10		58 - 121	0 - 50
Nitrobenzene	mg/L	.1	.077	77		1		53 - 113	0 - 50
Pentachlorophenol	mg/L	.1	.113	113		5		25 - 158	0 - 32
Phenanthrene	mg/L	.1	.104	104		7		58 - 111	0 - 50
Phenol	mg/L	.1	.098	98	*	3		16 - 65	0 - 25
Pyrene	mg/L	.1	.101	101		14		54 - 117	0 - 30
Pyridine	mg/L	.1	.073	73		30		2 - 75	0 - 50
bis(2-Chloroisopropyl)ether	mg/L	.1	.096	96		6		47 - 116	0 - 50
bis(2-ethylhexyl)phthalate	mg/L	.1	.112	112		11		56 - 132	0 - 50
m,p-Cresol	mg/L	.1	.099	99		8		24 - 104	0 - 50
o-Cresol	mg/L	.1	.102	102		9		31 - 110	0 - 50

RPD : 1 out of 70 outside limits

Spike Recovery: 15 out of 140 outside limits

169068

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED9 (1-2)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Analytical Method: SW-846 8270

Prep Batch: 363956 Analytical Batch.: 364041

Spike HSN : 20712202002

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*MS % REC FLAG*	*QC. LIMITS*
1,2 Diphenylhydrazine	mg/kg	4.04	0	3.83	95		60 - 120
2,4,5-Trichlorophenol	mg/kg	4.04	0	3.84	95		58 - 111
2,4,6-Trichlorophenol	mg/kg	4.04	0	4	99		60 - 110
2,4-Dichlorophenol	mg/kg	4.04	0	3.81	94		53 - 111
2,4-Dimethylphenol	mg/kg	4.04	0	3.62	90		51 - 108
2,4-Dinitrophenol	mg/kg	4.04	0	2.56	63		27 - 121
2,4-Dinitrotoluene	mg/kg	4.04	0	3.53	87		44 - 121
2,6-Dinitrotoluene	mg/kg	4.04	0	3.57	88		55 - 117
2-Chloronaphthalene	mg/kg	4.04	0	3.74	93		57 - 112
2-Chlorophenol	mg/kg	4.04	0	3.7	92		44 - 113
2-Methyl-4,6-dinitrophenol	mg/kg	4.04	0	3.28	81		49 - 115
2-Methylnaphthalene	mg/kg	4.04	0	3.59	89		53 - 110
2-Nitroaniline	mg/kg	4.04	0	3.57	88		38 - 107
2-Nitrophenol	mg/kg	4.04	0	3.94	98		58 - 110
3,3'-Dichlorobenzidine	mg/kg	4.04	0	3.43	85		24 - 127
3-Nitroaniline	mg/kg	4.04	0	2.82	70		9 - 106
4-Bromophenyl-phenylether	mg/kg	4.04	0	4.17	103		59 - 118
4-Chloro-3-methylphenol	mg/kg	4.04	0	3.71	92		48 - 112
4-Chloroaniline	mg/kg	4.04	0	2.73	68		3 - 101
4-Chlorophenyl-phenylether	mg/kg	4.04	0	4.1	101		54 - 112
4-Nitroaniline	mg/kg	4.07	0	2.82	69		24 - 99
4-Nitrophenol	mg/kg	4.04	0	3.92	97		38 - 125
Acenaphthene	mg/kg	4.04	0	3.79	94		41 - 120
Acenaphthylene	mg/kg	4.04	0	3.92	97		57 - 105
Acetophenone	mg/kg	4.04	0	3.48	86		55 - 117
Aniline	mg/kg	4.04	0	2.82	70		4 - 126
Anthracene	mg/kg	4.04	0	3.93	97		60 - 108
Atrazine (Aatrex)	mg/kg	4.04	0	4.01	99		37 - 148
Benzaldehyde	mg/kg	4.04	0	6.28	156	*	25 - 127
Benzidine	mg/kg	4.04	0	.685	17		8 - 78
Benzo(a)anthracene	mg/kg	4.04	0	3.95	98		60 - 107
Benzo(a)pyrene	mg/kg	4.04	0	4.18	104		62 - 110
Benzo(b)fluoranthene	mg/kg	4.04	0	4.44	110		56 - 110
Benzo(g,h,i)perylene	mg/kg	4.04	0	3.72	92		46 - 128
Benzo(k)fluoranthene	mg/kg	4.04	0	4.26	105		55 - 113
Benzoic acid	mg/kg	4.04	0	2.26	56		10 - 130

RPD : 1 out of 70 outside limits

Spike Recovery: 6 out of 140 outside limits

FORM III SV-2

169069

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED9 (1-2)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Analytical Method: SW-846 8270

Prep Batch: 363956 Analytical Batch.: 364041

Benzyl alcohol	mg/kg	4.04	0	3.74	93		48	-	116
Biphenyl	mg/kg	4.04	0	3.81	94		43	-	118
Bis(2-Chloroethoxy)methane	mg/kg	4.04	0	3.85	95		53	-	109
Bis(2-Chloroethyl)ether	mg/kg	4.04	0	3.65	90		39	-	114
Butylbenzylphthalate	mg/kg	4.04	0	4.18	104		63	-	121
Caprolactam	mg/kg	4.04	0	3.28	81		42	-	130
Carbazole	mg/kg	4.04	0	3.79	94		50	-	96
Chrysene	mg/kg	3.96	0	4.29	108		61	-	111
Di-n-butylphthalate	mg/kg	4.04	0	3.87	96		60	-	115
Di-n-octylphthalate	mg/kg	4.04	0	3.99	99		55	-	121
Dibenz(a,h)anthracene	mg/kg	4.04	0	3.72	92		50	-	135
Dibenzofuran	mg/kg	4.04	0	3.81	94		55	-	110
Diethylphthalate	mg/kg	4.04	0	3.99	99		52	-	114
Dimethyl-phthalate	mg/kg	4.04	0	3.94	98		56	-	111
Fluoranthene	mg/kg	4.04	0	3.83	95		54	-	108
Fluorene	mg/kg	4.04	0	3.89	96		54	-	106
Hexachlorobenzene	mg/kg	4.04	0	4.29	106		50	-	121
Hexachlorocyclopentadiene	mg/kg	4.04	0	3.56	88		48	-	116
Hexachloroethane	mg/kg	4.04	0	3.46	86		43	-	111
Indeno(1,2,3-cd)pyrene	mg/kg	4.04	0	3.17	79		43	-	132
Isophorone	mg/kg	4.04	0	3.77	93		55	-	112
N-Nitroso-di-n-propylamine	mg/kg	4.04	0	3.74	93		45	-	122
N-Nitrosodimethylamine	mg/kg	4.04	0	4.17	103		31	-	130
N-Nitrosodiphenylamine	mg/kg	3.96	0	4.15	105		58	-	123
Nitrobenzene	mg/kg	4.04	0	3.26	81		53	-	112
Pentachlorophenol	mg/kg	4.04	0	3.42	85		23	-	142
Phenanthrene	mg/kg	4.04	0	3.9	97		59	-	107
Phenol	mg/kg	4.04	0	3.67	91		34	-	116
Pyrene	mg/kg	4.04	0	4.24	105		39	-	135
Pyridine	mg/kg	4.04	0	2.92	72		11	-	92
bis(2-Chloroisopropyl)ether	mg/kg	4.04	0	3.65	90		45	-	113
bis(2-ethylhexyl)phthalate	mg/kg	4.04	0	4.16	103		56	-	127
m,p-Cresol	mg/kg	4.04	0	3.7	92		50	-	110
o-Cresol	mg/kg	4.04	0	3.77	93		50	-	108

RPD : 1 out of 70 outside limits

Spike Recovery: 6 out of 140 outside limits

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED9 (1-2)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Analytical Method: SW-846 8270

Prep Batch: 363956 Analytical Batch.: 364041

Spike Dupe HSN : 20712202003

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
1,2 Diphenylhydrazine	mg/kg	4.05	4.06	100		6		60 - 120	0 - 50
2,4,5-Trichlorophenol	mg/kg	4.05	3.88	96		.9		58 - 111	0 - 19
2,4,6-Trichlorophenol	mg/kg	4.05	4	99		0		60 - 110	0 - 21
2,4-Dichlorophenol	mg/kg	4.05	3.89	96		2		53 - 111	0 - 21
2,4-Dimethylphenol	mg/kg	4.05	3.74	92		3		51 - 108	0 - 22
2,4-Dinitrophenol	mg/kg	4.05	2.93	72		13		27 - 121	0 - 49
2,4-Dinitrotoluene	mg/kg	4.05	4.01	99		13		44 - 121	0 - 23
2,6-Dinitrotoluene	mg/kg	4.05	3.85	95		8		55 - 117	0 - 19
2-Chloronaphthalene	mg/kg	4.05	3.82	94		2		57 - 112	0 - 19
2-Chlorophenol	mg/kg	4.05	3.79	94		3		44 - 113	0 - 26
2-Methyl-4,6-dinitrophenol	mg/kg	4.05	3.56	88		8		49 - 115	0 - 31
2-Methylnaphthalene	mg/kg	4.05	3.65	90		2		53 - 110	0 - 18
2-Nitroaniline	mg/kg	4.05	3.68	91		3		38 - 107	0 - 19
2-Nitrophenol	mg/kg	4.05	4.03	99		2		58 - 110	0 - 20
3,3'-Dichlorobenzidine	mg/kg	4.05	3.54	87		3		24 - 127	0 - 35
3-Nitroaniline	mg/kg	4.05	2.82	70		0		9 - 106	0 - 46
4-Bromophenyl-phenylether	mg/kg	4.05	4.21	104		.9		59 - 118	0 - 22
4-Chloro-3-methylphenol	mg/kg	4.05	3.76	93		1		48 - 112	0 - 24
4-Chloroaniline	mg/kg	4.05	2.73	67		0		3 - 101	0 - 51
4-Chlorophenyl-phenylether	mg/kg	4.05	4.09	101		.3		54 - 112	0 - 19
4-Nitroaniline	mg/kg	4.1	2.82	69		0		24 - 99	0 - 25
4-Nitrophenol	mg/kg	4.05	3.79	94		3		38 - 125	0 - 29
Acenaphthene	mg/kg	4.05	3.89	96		3		41 - 120	0 - 19
Acenaphthylene	mg/kg	4.05	4	99		2		57 - 105	0 - 18
Acetophenone	mg/kg	4.05	3.62	89		4		55 - 117	0 - 50
Aniline	mg/kg	4.05	2.85	70		1		4 - 126	0 - 29
Anthracene	mg/kg	4.05	4.2	104		7		60 - 108	0 - 19
Atrazine (Aatrex)	mg/kg	4.05	4.23	104		5		37 - 148	0 - 50
Benzaldehyde	mg/kg	4.05	6.84	169	*	9		25 - 127	0 - 50
Benzidine	mg/kg	4.05	.749	18		9		8 - 78	0 - 50
Benzo(a)anthracene	mg/kg	4.05	4.04	100		2		60 - 107	0 - 19
Benzo(a)pyrene	mg/kg	4.05	4.49	111	*	7		62 - 110	0 - 16
Benzo(b)fluoranthene	mg/kg	4.05	4.77	118	*	7		56 - 110	0 - 24
Benzo(g,h,i)perylene	mg/kg	4.05	4.11	101		10		46 - 128	0 - 19
Benzo(k)fluoranthene	mg/kg	4.05	4.59	113		7		55 - 113	0 - 31
Benzoic acid	mg/kg	4.05	2.27	56		.5		10 - 130	0 - 40

RPD : 1 out of 70 outside limits

Spike Recovery: 6 out of 140 outside limits

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED9 (1-2)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Analytical Method: SW-846 8270

Prep Batch: 363956 Analytical Batch.: 364041

Benzyl alcohol	mg/kg	4.05	3.71	92		1		48 - 116	0 - 37
Biphenyl	mg/kg	4.05	3.93	97		3		43 - 118	0 - 50
Bis(2-Chloroethoxy)methane	mg/kg	4.05	3.94	97		2		53 - 109	0 - 20
Bis(2-Chloroethyl)ether	mg/kg	4.05	3.62	89		.7		39 - 114	0 - 24
Butylbenzylphthalate	mg/kg	4.05	4.42	109		5		63 - 121	0 - 21
Caprolactam	mg/kg	4.05	3.85	95		16		42 - 130	0 - 50
Carbazole	mg/kg	4.05	3.93	97	*	3		50 - 96	0 - 17
Chrysene	mg/kg	3.98	4.48	113	*	4		61 - 111	0 - 19
Di-n-butylphthalate	mg/kg	4.05	4.12	102		6		60 - 115	0 - 19
Di-n-octylphthalate	mg/kg	4.05	4.07	101		2		55 - 121	0 - 18
Dibenz(a,h)anthracene	mg/kg	4.05	4.03	99		8		50 - 135	0 - 23
Dibenzofuran	mg/kg	4.05	3.82	94		.3		55 - 110	0 - 17
Diethylphthalate	mg/kg	4.05	3.92	97		2		52 - 114	0 - 20
Dimethyl-phthalate	mg/kg	4.05	3.96	98		.6		56 - 111	0 - 17
Fluoranthene	mg/kg	4.05	3.92	97		2		54 - 108	0 - 20
Fluorene	mg/kg	4.05	3.96	98		2		54 - 106	0 - 16
Hexachlorobenzene	mg/kg	4.05	4.49	111		4		50 - 121	0 - 19
Hexachlorocyclopentadiene	mg/kg	4.05	3.79	94		6		48 - 116	0 - 27
Hexachloroethane	mg/kg	4.05	3.5	86		1		43 - 111	0 - 21
Indeno(1,2,3-cd)pyrene	mg/kg	4.05	3.27	81		3		43 - 132	0 - 33
Isophorone	mg/kg	4.05	3.83	95		2		55 - 112	0 - 26
N-Nitroso-di-n-propylamine	mg/kg	4.05	3.81	94		2		45 - 122	0 - 38
N-Nitrosodimethylamine	mg/kg	4.05	4.26	105		2		31 - 130	0 - 20
N-Nitrosodiphenylamine	mg/kg	3.98	4.34	109		5		58 - 123	0 - 19
Nitrobenzene	mg/kg	4.05	3.33	82		2		53 - 112	0 - 23
Pentachlorophenol	mg/kg	4.05	3.62	89		6		23 - 142	0 - 26
Phenanthrene	mg/kg	4.05	4.05	100		4		59 - 107	0 - 18
Phenol	mg/kg	4.05	3.77	93		3		34 - 116	0 - 25
Pyrene	mg/kg	4.05	4.45	110		5		39 - 135	0 - 26
Pyridine	mg/kg	4.05	2.02	50		36	*	11 - 92	0 - 29
bis(2-Chloroisopropyl)ether	mg/kg	4.05	3.73	92		2		45 - 113	0 - 26
bis(2-ethylhexyl)phthalate	mg/kg	4.05	4.29	106		3		56 - 127	0 - 21
m,p-Cresol	mg/kg	4.05	3.74	92		1		50 - 110	0 - 23
o-Cresol	mg/kg	4.05	3.85	95		2		50 - 108	0 - 25

RPD : 1 out of 70 outside limits

Spike Recovery: 6 out of 140 outside limits

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Analytical Method: SW-846 8270

Prep Batch: 363956 Analytical Batch.: 364041

Spike HSN : 558800

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
1,2 Diphenylhydrazine	mg/kg	3.33	0	3.15	95		60 - 120
2,4,5-Trichlorophenol	mg/kg	3.33	0	3.15	95		58 - 111
2,4,6-Trichlorophenol	mg/kg	3.33	0	3.32	100		60 - 110
2,4-Dichlorophenol	mg/kg	3.33	0	3.02	91		53 - 111
2,4-Dimethylphenol	mg/kg	3.33	0	2.78	83		51 - 108
2,4-Dinitrophenol	mg/kg	3.33	0	2.63	79		27 - 121
2,4-Dinitrotoluene	mg/kg	3.33	0	3.21	96		44 - 121
2,6-Dinitrotoluene	mg/kg	3.33	0	3.09	93		55 - 117
2-Chloronaphthalene	mg/kg	3.33	0	3.2	96		57 - 112
2-Chlorophenol	mg/kg	3.33	0	2.74	82		44 - 113
2-Methyl-4,6-dinitrophenol	mg/kg	3.33	0	2.99	90		49 - 115
2-Methylnaphthalene	mg/kg	3.33	0	2.77	83		53 - 110
2-Nitroaniline	mg/kg	3.33	0	3.13	94		38 - 107
2-Nitrophenol	mg/kg	3.33	0	3.07	92		58 - 110
3,3'-Dichlorobenzidine	mg/kg	3.33	0	2.53	76		24 - 127
3-Nitroaniline	mg/kg	3.33	0	2.18	65		9 - 106
4-Bromophenyl-phenylether	mg/kg	3.33	0	3.42	103		59 - 118
4-Chloro-3-methylphenol	mg/kg	3.33	0	2.79	84		48 - 112
4-Chloroaniline	mg/kg	3.33	0	1.88	56		3 - 101
4-Chlorophenyl-phenylether	mg/kg	3.33	0	3.31	99		54 - 112
4-Nitroaniline	mg/kg	3.37	0	2.18	65		24 - 99
4-Nitrophenol	mg/kg	3.33	0	3.02	91		38 - 125
Acenaphthene	mg/kg	3.33	0	3.17	95		41 - 120
Acenaphthylene	mg/kg	3.33	0	3.27	98		57 - 105
Acetophenone	mg/kg	3.33	0	2.68	80		55 - 117
Aniline	mg/kg	3.33	0	2.09	63		4 - 126
Anthracene	mg/kg	3.33	0	3.18	95		60 - 108
Atrazine (Aatrex)	mg/kg	3.33	0	3.25	98		37 - 148
Benzaldehyde	mg/kg	3.33	0	2.88	86		25 - 127
Benzidine	mg/kg	3.33	0	.56	17		8 - 78
Benzo(a)anthracene	mg/kg	3.33	0	3.11	93		60 - 107
Benzo(a)pyrene	mg/kg	3.33	0	3.48	104		62 - 110
Benzo(b)fluoranthene	mg/kg	3.33	0	3.61	108		56 - 110
Benzo(g,h,i)perylene	mg/kg	3.33	0	3.18	95		46 - 128
Benzo(k)fluoranthene	mg/kg	3.33	0	3.47	104		55 - 113
Benzoic acid	mg/kg	3.33	0	2.62	79		10 - 130

RPD : 1 out of 70 outside limits

Spike Recovery: 3 out of 140 outside limits

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Analytical Method: SW-846 8270

Prep Batch: 363956 Analytical Batch.: 364041

Benzyl alcohol	mg/kg	3.33	0	2.61	78		48	-	116
Biphenyl	mg/kg	3.33	0	2.91	87		43	-	118
Bis(2-Chloroethoxy)methane	mg/kg	3.33	0	2.88	86		53	-	109
Bis(2-Chloroethyl)ether	mg/kg	3.33	0	2.76	83		39	-	114
Butylbenzylphthalate	mg/kg	3.33	0	3.33	100		63	-	121
Caprolactam	mg/kg	3.33	0	2.59	78		42	-	130
Carbazole	mg/kg	3.33	0	3.09	93		50	-	96
Chrysene	mg/kg	3.27	0	3.44	105		61	-	111
Di-n-butylphthalate	mg/kg	3.33	0	3.1	93		60	-	115
Di-n-octylphthalate	mg/kg	3.33	0	3.11	93		55	-	121
Dibenz(a,h)anthracene	mg/kg	3.33	0	3.19	96		50	-	135
Dibenzofuran	mg/kg	3.33	0	3.11	93		55	-	110
Diethylphthalate	mg/kg	3.33	0	3.16	95		52	-	114
Dimethyl-phthalate	mg/kg	3.33	0	3.21	96		56	-	111
Fluoranthene	mg/kg	3.33	0	3	90		54	-	108
Fluorene	mg/kg	3.33	0	3.13	94		54	-	106
Hexachlorobenzene	mg/kg	3.33	0	3.46	104		50	-	121
Hexachlorocyclopentadiene	mg/kg	3.33	0	3.28	98		48	-	116
Hexachloroethane	mg/kg	3.33	0	2.85	86		43	-	111
Indeno(1,2,3-cd)pyrene	mg/kg	3.33	0	2.63	79		43	-	132
Isophorone	mg/kg	3.33	0	2.9	87		55	-	112
N-Nitroso-di-n-propylamine	mg/kg	3.33	0	2.82	85		45	-	122
N-Nitrosodimethylamine	mg/kg	3.33	0	4.52	136	*	31	-	130
N-Nitrosodiphenylamine	mg/kg	3.27	0	3.41	104		58	-	123
Nitrobenzene	mg/kg	3.33	0	3.06	92		53	-	112
Pentachlorophenol	mg/kg	3.33	0	2.75	83		23	-	142
Phenanthrene	mg/kg	3.33	0	3.12	94		59	-	107
Phenol	mg/kg	3.33	0	2.71	81		34	-	116
Pyrene	mg/kg	3.33	0	3.46	104		39	-	135
Pyridine	mg/kg	3.33	0	2.58	77		11	-	92
bis(2-Chloroisopropyl)ether	mg/kg	3.33	0	2.82	85		45	-	113
bis(2-ethylhexyl)phthalate	mg/kg	3.33	0	3.24	97		56	-	127
m,p-Cresol	mg/kg	3.33	0	2.6	78		50	-	110
o-Cresol	mg/kg	3.33	0	2.68	80		50	-	108

RPD : 1 out of 70 outside limits

Spike Recovery: 3 out of 140 outside limits

FORM III SV-2

169074

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Analytical Method: SW-846 8270

Prep Batch: 363956 Analytical Batch.: 364041

Spike Dupe HSN : 558801

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
1,2 Diphenylhydrazine	mg/kg	3.33	3.36	101		6		60 - 120	0 - 50
2,4,5-Trichlorophenol	mg/kg	3.33	3.27	98		4		58 - 111	0 - 19
2,4,6-Trichlorophenol	mg/kg	3.33	3.33	100		.3		60 - 110	0 - 21
2,4-Dichlorophenol	mg/kg	3.33	3.15	95		4		53 - 111	0 - 21
2,4-Dimethylphenol	mg/kg	3.33	2.93	88		5		51 - 108	0 - 22
2,4-Dinitrophenol	mg/kg	3.33	2.82	85		7		27 - 121	0 - 49
2,4-Dinitrotoluene	mg/kg	3.33	3.31	99		3		44 - 121	0 - 23
2,6-Dinitrotoluene	mg/kg	3.33	3.03	91		2		55 - 117	0 - 19
2-Chloronaphthalene	mg/kg	3.33	3.23	97		.9		57 - 112	0 - 19
2-Chlorophenol	mg/kg	3.33	3.02	91		10		44 - 113	0 - 26
2-Methyl-4,6-dinitrophenol	mg/kg	3.33	3.19	96		6		49 - 115	0 - 31
2-Methylnaphthalene	mg/kg	3.33	2.93	88		6		53 - 110	0 - 18
2-Nitroaniline	mg/kg	3.33	3.19	96		2		38 - 107	0 - 19
2-Nitrophenol	mg/kg	3.33	3.23	97		5		58 - 110	0 - 20
3,3'-Dichlorobenzidine	mg/kg	3.33	2.87	86		13		24 - 127	0 - 35
3-Nitroaniline	mg/kg	3.33	2.24	67		3		9 - 106	0 - 46
4-Bromophenyl-phenylether	mg/kg	3.33	3.73	112		9		59 - 118	0 - 22
4-Chloro-3-methylphenol	mg/kg	3.33	2.98	89		7		48 - 112	0 - 24
4-Chloroaniline	mg/kg	3.33	2.13	64		12		3 - 101	0 - 51
4-Chlorophenyl-phenylether	mg/kg	3.33	3.4	102		3		54 - 112	0 - 19
4-Nitroaniline	mg/kg	3.37	2.24	67		3		24 - 99	0 - 25
4-Nitrophenol	mg/kg	3.33	3	90		.7		38 - 125	0 - 29
Acenaphthene	mg/kg	3.33	3.24	97		2		41 - 120	0 - 19
Acenaphthylene	mg/kg	3.33	3.31	99		1		57 - 105	0 - 18
Acetophenone	mg/kg	3.33	2.83	85		5		55 - 117	0 - 50
Aniline	mg/kg	3.33	2.3	69		10		4 - 126	0 - 29
Anthracene	mg/kg	3.33	3.35	101		5		60 - 108	0 - 19
Atrazine (Aatrex)	mg/kg	3.33	3.58	107		10		37 - 148	0 - 50
Benzaldehyde	mg/kg	3.33	2.93	88		2		25 - 127	0 - 50
Benzidine	mg/kg	3.33	.614	18		9		8 - 78	0 - 50
Benzo(a)anthracene	mg/kg	3.33	3.37	101		8		60 - 107	0 - 19
Benzo(a)pyrene	mg/kg	3.33	3.63	109		4		62 - 110	0 - 16
Benzo(b)fluoranthene	mg/kg	3.33	3.81	114	*	5		56 - 110	0 - 24
Benzo(g,h,i)perylene	mg/kg	3.33	3.32	100		4		46 - 128	0 - 19
Benzo(k)fluoranthene	mg/kg	3.33	3.63	109		5		55 - 113	0 - 31
Benzoic acid	mg/kg	3.33	2.91	87		10		10 - 130	0 - 40

RPD : 1 out of 70 outside limits

Spike Recovery: 3 out of 140 outside limits

FORM III SV-2

169075

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Analytical Method: SW-846 8270

Prep Batch: 363956 Analytical Batch.: 364041

Benzyl alcohol	mg/kg	3.33	2.96	89		13		48 - 116	0 - 37
Biphenyl	mg/kg	3.33	3.1	93		6		43 - 118	0 - 50
Bis(2-Chloroethoxy)methane	mg/kg	3.33	3.02	91		5		53 - 109	0 - 20
Bis(2-Chloroethyl)ether	mg/kg	3.33	2.94	88		6		39 - 114	0 - 24
Butylbenzylphthalate	mg/kg	3.33	3.59	108		8		63 - 121	0 - 21
Caprolactam	mg/kg	3.33	2.8	84		8		42 - 130	0 - 50
Carbazole	mg/kg	3.33	3.23	97	*	4		50 - 96	0 - 17
Chrysene	mg/kg	3.27	3.57	109		4		61 - 111	0 - 19
Di-n-butylphthalate	mg/kg	3.33	3.33	100		7		60 - 115	0 - 19
Di-n-octylphthalate	mg/kg	3.33	3.39	102		9		55 - 121	0 - 18
Dibenz(a,h)anthracene	mg/kg	3.33	3.25	98		2		50 - 135	0 - 23
Dibenzofuran	mg/kg	3.33	3.12	94		.3		55 - 110	0 - 17
Diethylphthalate	mg/kg	3.33	3.11	93		2		52 - 114	0 - 20
Dimethyl-phthalate	mg/kg	3.33	3.3	99		3		56 - 111	0 - 17
Fluoranthene	mg/kg	3.33	3.24	97		8		54 - 108	0 - 20
Fluorene	mg/kg	3.33	3.23	97		3		54 - 106	0 - 16
Hexachlorobenzene	mg/kg	3.33	3.61	108		4		50 - 121	0 - 19
Hexachlorocyclopentadiene	mg/kg	3.33	3.22	97		2		48 - 116	0 - 27
Hexachloroethane	mg/kg	3.33	2.89	87		1		43 - 111	0 - 21
Indeno(1,2,3-cd)pyrene	mg/kg	3.33	2.87	86		9		43 - 132	0 - 33
Isophorone	mg/kg	3.33	3.07	92		6		55 - 112	0 - 26
N-Nitroso-di-n-propylamine	mg/kg	3.33	2.86	86		1		45 - 122	0 - 38
N-Nitrosodimethylamine	mg/kg	3.33	3.41	102		28	*	31 - 130	0 - 20
N-Nitrosodiphenylamine	mg/kg	3.27	3.55	109		4		58 - 123	0 - 19
Nitrobenzene	mg/kg	3.33	3.18	95		4		53 - 112	0 - 23
Pentachlorophenol	mg/kg	3.33	3	90		9		23 - 142	0 - 26
Phenanthrene	mg/kg	3.33	3.31	99		6		59 - 107	0 - 18
Phenol	mg/kg	3.33	2.88	86		6		34 - 116	0 - 25
Pyrene	mg/kg	3.33	3.74	112		8		39 - 135	0 - 26
Pyridine	mg/kg	3.33	2.37	71		8		11 - 92	0 - 29
bis(2-Chloroisopropyl)ether	mg/kg	3.33	2.95	89		5		45 - 113	0 - 26
bis(2-ethylhexyl)phthalate	mg/kg	3.33	3.56	107		9		56 - 127	0 - 21
m,p-Cresol	mg/kg	3.33	2.91	87		11		50 - 110	0 - 23
o-Cresol	mg/kg	3.33	2.97	89		10		50 - 108	0 - 25

RPD : 1 out of 70 outside limits

Spike Recovery: 3 out of 140 outside limits

FORM III SV-2

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB558799

Lab Code: LA024 | Case No.: | Contract:

Lab File ID: 2071223/c2065 | SAS No.: | SDG No.: 207122020

GC Column: RTX-5MS-30 | ID: .25 (mm) | Lab Sample ID: 558799 | Date Extracted: 12/22/07

Instrument ID: MSSV4 | Matrix: Soil | Date Analyzed: 12/23/07 | Time: 1711

Level: LOW | Method: SW-846 8270

Prep Batch: 363956 | Analytical Batch: 364041

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS558800	558800	2071223/c2066	12/23/07	1726
2.	LCSD558801	558801	2071223/c2067	12/23/07	1741
3.	2WSED9 (1-2)	20712202001	2071223/c2068	12/23/07	1756
4.	2WSED9 MS (1-2)	20712202002	2071223/c2069	12/23/07	1811
5.	2WSED9 MSD (1-2)	20712202003	2071223/c2070	12/23/07	1826

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB558333

Lab Code: LA024 | Case No.: | Contract:

Lab File ID: 2071223/c2082 | SAS No.: | SDG No.: 207122020

GC Column: RTX-5MS-30 | ID: .25 (mm) | Lab Sample ID: 558333 | Date Extracted: 12/21/07

Instrument ID: MSSV4 | Matrix: Water | Date Analyzed: 12/23/07 | Time: 2126

Level: LOW | Method: SW-846 8270

Prep Batch: 363895 | Analytical Batch: 364041

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS558334	558334	2071223/c2083	12/23/07	2141
2.	LCSD558335	558335	2071223/c2084	12/23/07	2156
3.	SS121907-EB	20712202014	2071223/c2091	12/23/07	2342
4.	SS121907-FB	20712202015	2071223/c2092	12/23/07	2357

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab File ID: 2071223/c2050 DFTPP Injection Date: 12/23/07 Time: 1318

GC Column: RTX-5MS-30 ID: .25 (mm) Analytical Batch: 364041

Instrument ID: MSSV4

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*
51	30.0-60.0% of mass 198	45.84 ( ) ( )
68	Less than 2% of mass 69	.88 (1.71) (1)
69	Mass 69 relative abundance	51.65 ( ) ( )
70	Less than 2.0% of mass 69	.26 (.51) (1)
127	40.0-60.0% of mass 198	53.39 ( ) ( )
197	Less than 1.0% of mass 198	.46 ( ) ( )
198	Base Peak, 100% relative abundance	100 ( ) ( )
199	5.0-9.0% of mass 198	6.98 ( ) ( )
275	10.0-30.0% of mass 198	19.68 ( ) ( )
365	Greater than 1.0% of mass 198	2.1 ( ) ( )
441	Present, but less than mass 443	5.72 ( ) ( )
442	40.0-100.0% of mass 198	45.51 ( ) ( )
443	17.0-23.0% of mass 442	8.43 (18.53) (2)

(1)-Value is % mass 69 (2)-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	SAMPLE NO.	*LAB SAMPLE ID*	*LAB FILE ID*	*DATE ANALYZED*	*TIME ANALYZED*
1.	STD050	1205	2071223/c2051	12/23/07	1333
2.	STD010	1204	2071223/c2052	12/23/07	1357
3.	STD080	1206	2071223/c2053	12/23/07	1412
4.	STD120	1207	2071223/c2054	12/23/07	1427
5.	STD160	1208	2071223/c2055	12/23/07	1441
6.	STD200	1209	2071223/c2056	12/23/07	1456
7.	STD002	1203	2071223/c2057	12/23/07	1511
8.	STD000	1202	2071223/c2058	12/23/07	1526
9.	STD0.2	1201	2071223/c2059	12/23/07	1541
10.	APP950	1400	2071223/c2061	12/23/07	1611
11.	APQ40	1400	2071223/c2062	12/23/07	1626

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab File ID: 2071223/c2050 DFTPP Injection Date: 12/23/07 Time: 1318

GC Column: RTX-5MS-30 ID: .25 (mm) Analytical Batch: 364041

Instrument ID: MSSV4

12.	SKL50	1400	2071223/c2063	12/23/07	1641
13.	THIOL50	1400	2071223/c2064	12/23/07	1656
14.	MB558799	558799	2071223/c2065	12/23/07	1711
15.	LCS558800	558800	2071223/c2066	12/23/07	1726
16.	LCSD558801	558801	2071223/c2067	12/23/07	1741
17.	2WSED9 (1-2)	20712202001	2071223/c2068	12/23/07	1756
18.	2WSED9 MS (1-2)	20712202002	2071223/c2069	12/23/07	1811
19.	2WSED9 MSD (1-2)	20712202003	2071223/c2070	12/23/07	1826
20.	MB558333	558333	2071223/c2082	12/23/07	2126
21.	LCS558334	558334	2071223/c2083	12/23/07	2141
22.	LCSD558335	558335	2071223/c2084	12/23/07	2156
23.	SS121907-EB	20712202014	2071223/c2091	12/23/07	2342
24.	SS121907-FB	20712202015	2071223/c2092	12/23/07	2357

FORM V SV

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab File ID (Standard): 2071223/C2061 Date Analyzed: 12/23/07 Time: 1611

Instrument ID: MSSV4 GC Column: RTX-5MS-30 ID: .25 (mm)

Analytical Batch: 364041 Method: SW-846 8270

	IS 1		IS 2		IS 3	
	Area	RT	Area	RT	Area	RT
STANDARD	319191	1.89	161220	2.88	252178	3.75

	EPA Sample No.		#		#		#		#		#	
1.	MB558799	411856		1.88		209939		2.88		310985		3.75	
2.	SS121907-EB	327185		1.88		166018		2.88		272293		3.75	
3.	SS121907-FB	289088		1.88		140504		2.88		218383		3.75	
4.	LCS558800	360662		1.89		158468		2.88		230707		3.75	
5.	LCSD558801	351361		1.89		161973		2.88		225127		3.75	
6.	2WSED9 (1-2)	366595		1.88		179205		2.88		263412		3.75	
7.	2WSED9 MS (1-2)	344235		1.89		172027		2.88		249268		3.75	
8.	2WSED9 MSD (1-2)	349935		1.89		174162		2.88		246036		3.75	
9.	MB558333	181122		1.89		97092		2.88		166691		3.75	
10.	LCS558334	201970		1.88		100776		2.88		159207		3.75	
11.	LCSD558335	322606		1.89		164068		2.88		242245		3.75	

IS 1 ID : Naphthalene-d8

IS 2 ID : Acenaphthene-d10

IS 3 ID : Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREALOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard values with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Lab File ID (Standard): 2071223/C2061 Date Analyzed: 12/23/07 Time: 1611

Instrument ID: MSSV4 GC Column: RTX-5MS-30 ID: .25 (mm)

Method: SW-846 8270

		IS 4			IS 5			IS 6		
		Area		RT	Area		RT	Area		RT
	STANDARD	121600		6.3	168222		5.34	83443		1.26
			#			#			#	
1.	MB558799	99737		6.29	154598		5.33	108704		1.26
2.	SS121907-EB	136246		6.29	155196		5.33	82880		1.26
3.	SS121907-FB	145252		6.29	149509		5.33	76058		1.26
4.	LCS558800	80718		6.3	120519		5.33	105105		1.26
5.	LCSD558801	84888		6.3	120648		5.33	100520		1.26
6.	2WSED9 (1-2)	78048		6.29	122509		5.33	97611		1.26
7.	2WSED9 MS (1-2)	93490		6.3	135323		5.33	94967		1.26
8.	2WSED9 MSD (1-2)	85174		6.3	132026		5.33	95146		1.26
9.	MB558333	123401		6.3	122592		5.33	48174		1.26
10.	LCS558334	122146		6.3	120561		5.33	55210		1.26
11.	LCSD558335	145416		6.3	151472		5.34	85991		1.26

IS 4 ID : Perylene-d12
IS 5 ID : Chrysene-d12
IS 6 ID : 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREALOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard values with an asterisk.
* Values outside of QC limits.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Soil
Sample wt/vol: 30.3 Units: g
Level: (low/med) LOW
% Moisture: 18.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED9 (1-2)
Contract:
Lab File ID: 2071223/c2068
Lab Sample ID: 20712202001
Date Collected: 12/19/07 Time: 1200
Date Received: 12/20/07
Date Extracted: 12/22/07
Date Analyzed: 12/23/07 Time: 1756
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363956 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.399	U	0.012	0.399
95-95-4	2,4,5-Trichlorophenol	0.399	U	0.00790	0.399
88-06-2	2,4,6-Trichlorophenol	0.399	U	0.00912	0.399
120-83-2	2,4-Dichlorophenol	0.399	U	0.00940	0.399
51-28-5	2,4-Dinitrophenol	1.99	U	0.019	1.99
121-14-2	2,4-Dinitrotoluene	0.399	U	0.025	0.399
606-20-2	2,6-Dinitrotoluene	0.399	U	0.00685	0.399
91-58-7	2-Chloronaphthalene	0.399	U	0.011	0.399
95-57-8	2-Chlorophenol	0.399	U	0.017	0.399
91-57-6	2-Methylnaphthalene	0.080	U	0.00970	0.080
88-74-4	2-Nitroaniline	1.99	U	0.00705	1.99
88-75-5	2-Nitrophenol	0.399	U	0.012	0.399
91-94-1	3,3'-Dichlorobenzidine	0.797	U	0.027	0.797
99-09-2	3-Nitroaniline	1.99	U	0.037	1.99
534-52-1	2-Methyl-4,6-dinitrophenol	1.99	U	0.047	1.99
59-50-7	4-Chloro-3-methylphenol	0.399	U	0.00973	0.399
106-47-8	4-Chloroaniline	0.399	U	0.00483	0.399
7005-72-3	4-Chlorophenyl-phenylether	0.399	U	0.00774	0.399
83-32-9	Acenaphthene	0.080	U	0.011	0.080
208-96-8	Acenaphthylene	0.080	U	0.00773	0.080
98-86-2	Acetophenone	0.399	U	0.00988	0.399
62-53-3	Aniline	0.399	U	0.021	0.399
120-12-7	Anthracene	0.080	U	0.00713	0.080
1912-24-9	Atrazine (Aatrex)	0.797	U	0.019	0.797
100-52-7	Benzaldehyde	0.797	U	0.032	0.797
92-87-5	Benzidine	1.59	U	0.304	1.59
56-55-3	Benzo(a)anthracene	0.080	U	0.00506	0.080
50-32-8	Benzo(a)pyrene	0.080	U	0.00862	0.080
205-99-2	Benzo(b)fluoranthene	0.399	U	0.012	0.399

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Soil
Sample wt/vol: 30.3 Units: g
Level: (low/med) LOW
% Moisture: 18.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED9 (1-2)
Contract:
Lab File ID: 2071223/c2068
Lab Sample ID: 20712202001
Date Collected: 12/19/07 Time: 1200
Date Received: 12/20/07
Date Extracted: 12/22/07
Date Analyzed: 12/23/07 Time: 1756
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363956 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.399	U	0.00863	0.399
207-08-9	Benzo(k)fluoranthene	0.399	U	0.011	0.399
65-85-0	Benzoic acid	1.99	U	0.039	1.99
100-51-6	Benzyl alcohol	0.399	U	0.012	0.399
92-52-4	Biphenyl	0.399	U	0.00665	0.399
111-91-1	Bis(2-Chloroethoxy)methane	0.399	U	0.00901	0.399
111-44-4	Bis(2-Chloroethyl)ether	0.399	U	0.035	0.399
108-60-1	bis(2-Chloroisopropyl)ether	0.399	U	0.039	0.399
117-81-7	bis(2-ethylhexyl)phthalate	0.080	U	0.046	0.080
101-55-3	4-Bromophenyl-phenylether	0.399	U	0.00728	0.399
85-68-7	Butylbenzylphthalate	0.399	U	0.00918	0.399
105-60-2	Caprolactam	0.399	U	0.012	0.399
86-74-8	Carbazole	0.399	U	0.00924	0.399
218-01-9	Chrysene	0.399	U	0.00755	0.399
84-74-2	Di-n-butylphthalate	0.399	U	0.00802	0.399
117-84-0	Di-n-octylphthalate	0.399	U	0.022	0.399
53-70-3	Dibenz(a,h)anthracene	0.080	U	0.00658	0.080
132-64-9	Dibenzofuran	0.399	U	0.00610	0.399
84-66-2	Diethylphthalate	0.399	U	0.00761	0.399
131-11-3	Dimethyl-phthalate	0.399	U	0.00615	0.399
105-67-9	2,4-Dimethylphenol	0.399	U	0.011	0.399
206-44-0	Fluoranthene	0.399	U	0.00647	0.399
86-73-7	Fluorene	0.080	U	0.00659	0.080
118-74-1	Hexachlorobenzene	0.399	U	0.013	0.399
77-47-4	Hexachlorocyclopentadiene	0.399	U	0.022	0.399
67-72-1	Hexachloroethane	0.399	U	0.035	0.399
193-39-5	Indeno(1,2,3-cd)pyrene	0.399	U	0.013	0.399
78-59-1	Isophorone	0.399	U	0.00905	0.399
100-01-6	4-Nitroaniline	1.99	U	0.00971	1.99

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Soil
Sample wt/vol: 30.3 Units: g
Level: (low/med) LOW
% Moisture: 18.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED9 (1-2)
Contract:
Lab File ID: 2071223/c2068
Lab Sample ID: 20712202001
Date Collected: 12/19/07 Time: 1200
Date Received: 12/20/07
Date Extracted: 12/22/07
Date Analyzed: 12/23/07 Time: 1756
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363956 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.399	U	0.048	0.399
100-02-7	4-Nitrophenol	1.99	U	0.041	1.99
87-86-5	Pentachlorophenol	1.99	U	0.021	1.99
85-01-8	Phenanthrene	0.080	U	0.00698	0.080
108-95-2	Phenol	0.399	U	0.013	0.399
129-00-0	Pyrene	0.399	U	0.00816	0.399
110-86-1	Pyridine	0.399	U	0.019	0.399
1319-77-3M	m,p-Cresol	0.399	U	0.012	0.399
621-64-7	N-Nitroso-di-n-propylamine	0.080	U	0.012	0.080
62-75-9	N-Nitrosodimethylamine	0.399	U	0.117	0.399
86-30-6	N-Nitrosodiphenylamine	0.399	U	0.00681	0.399
95-48-7	o-Cresol	0.399	U	0.020	0.399

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2068.d
Lab Smp Id: 20712202001 Client Smp ID: 20712202001
Inj Date : 23-DEC-2007 17:56
Operator : rrr Inst ID: MSSV4.i
Smp Info : 20712202001*4485*
Misc Info : 20712202001*MSSV~4727~*122020*30.3-1*363956*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:34 rrr Quant Type: ISTD
Cal Date : 07-NOV-2007 03:14 Cal File: c0245.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SA8270.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula:
Amt * DF * (Uf * Vt/(Vi * Ws * (100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.30000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

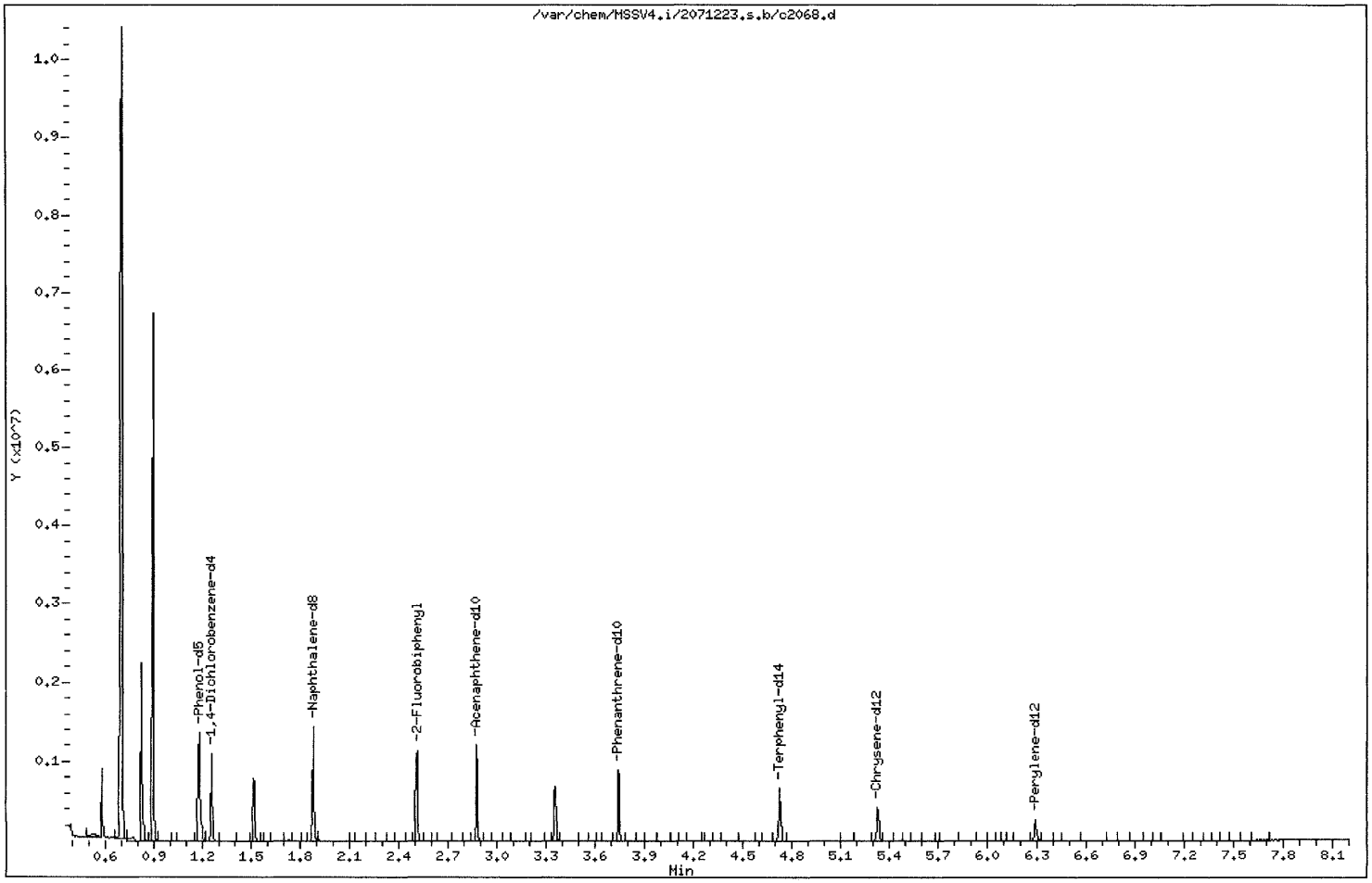
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	0.825	0.825	(0.656)	353189	96.5895	3190
$ 4 Phenol-d5	99	1.184	1.189	(0.941)	403356	81.0334	2670
* 10 1,4-Dichlorobenzene-d4	152	1.259	1.259	(1.000)	97611	40.0000	
$ 19 Nitrobenzene-d5	82	1.521	1.526	(0.807)	186142	47.1777	1560
* 28 Naphthalene-d8	136	1.884	1.890	(1.000)	366595	40.0000	
$ 37 2-Fluorobiphenyl	172	2.515	2.516	(0.874)	269573	47.0851	1550
* 44 Acenaphthene-d10	164	2.879	2.885	(1.000)	179205	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.361	3.366	(1.167)	42653	86.0585	2840
* 61 Phenanthrene-d10	188	3.746	3.751	(1.000)	263412	40.0000	
$ 70 Terphenyl-d14	244	4.730	4.730	(0.888)	154605	58.1210	1920
* 74 Chrysene-d12	240	5.329	5.340	(1.000)	122509	40.0000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
* 81 Perylene-d12	264	6.292	6.297	(1.000)	78048	40.0000	

169087

Data File: /var/chem/MSSV4.i/2071223.s.b/c2068.d
Date : 23-DEC-2007 17:56
Client ID: 20712202001
Sample Info: 20712202001*4485*
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

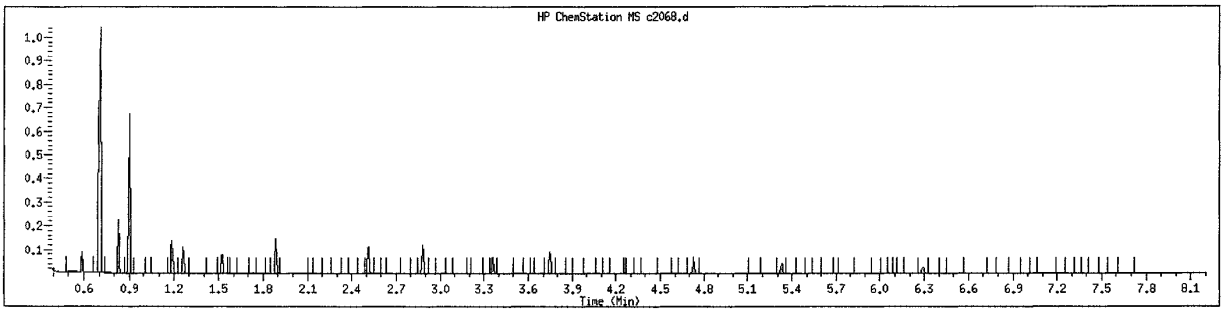
Instrument: MSSV4.i
Operator: rrr
Column diameter: 0.25



Data file : /var/chem/MSSV4.i/2071223.s.b/c2068.d Page: 1
Report Date: 12/24/2007 09:36

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202001 SampleType : SAMPLE
Injection Date: 12/23/2007 17:56 Instrument : MSSV4.i
Operator : rrr
Sample Info : 20712202001*4485*
Misc Info : 20712202001*MSSV~4727~*122020*30.3-1*363956*
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Water
Sample wt/vol: 970 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: SS121907-EB
Contract:
Lab File ID: 2071223/c2091
Lab Sample ID: 20712202014
Date Collected: 12/19/07 Time: 1530
Date Received: 12/20/07
Date Extracted: 12/21/07
Date Analyzed: 12/23/07 Time: 2342
Dilution Factor: 1 Analyst: RRR
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363895 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.010	U	0.000210	0.010
95-95-4	2,4,5-Trichlorophenol	0.010	U	0.000419	0.010
88-06-2	2,4,6-Trichlorophenol	0.010	U	0.000433	0.010
120-83-2	2,4-Dichlorophenol	0.010	U	0.000399	0.010
51-28-5	2,4-Dinitrophenol	0.052	U	0.00116	0.052
121-14-2	2,4-Dinitrotoluene	0.010	U	0.000478	0.010
606-20-2	2,6-Dinitrotoluene	0.010	U	0.000423	0.010
91-58-7	2-Chloronaphthalene	0.010	U	0.000354	0.010
95-57-8	2-Chlorophenol	0.010	U	0.000355	0.010
91-57-6	2-Methylnaphthalene	0.010	U	0.000105	0.010
88-74-4	2-Nitroaniline	0.052	U	0.000275	0.052
88-75-5	2-Nitrophenol	0.010	U	0.000538	0.010
91-94-1	3,3'-Dichlorobenzidine	0.021	U	0.00215	0.021
99-09-2	3-Nitroaniline	0.052	U	0.000412	0.052
534-52-1	2-Methyl-4,6-dinitrophenol	0.052	U	0.000293	0.052
59-50-7	4-Chloro-3-methylphenol	0.010	U	0.000421	0.010
106-47-8	4-Chloroaniline	0.010	U	0.000810	0.010
7005-72-3	4-Chlorophenyl-phenylether	0.010	U	0.000357	0.010
83-32-9	Acenaphthene	0.010	U	0.000140	0.010
208-96-8	Acenaphthylene	0.010	U	0.000091	0.010
98-86-2	Acetophenone	0.010	U	0.000382	0.010
62-53-3	Aniline	0.010	U	0.000574	0.010
120-12-7	Anthracene	0.00206	U	0.000105	0.00206
1912-24-9	Atrazine (Aatrex)	0.021	U	0.00212	0.021
100-52-7	Benzaldehyde	0.052	U	0.00124	0.052
92-87-5	Benzidine	0.041	U	0.00740	0.041
56-55-3	Benzo(a)anthracene	0.010	U	0.000082	0.010
50-32-8	Benzo(a)pyrene	0.010	U	0.000155	0.010
205-99-2	Benzo(b)fluoranthene	0.010	U	0.000170	0.010

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Water
Sample wt/vol: 970 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: SS121907-EB
Contract:
Lab File ID: 2071223/c2091
Lab Sample ID: 20712202014
Date Collected: 12/19/07 Time: 1530
Date Received: 12/20/07
Date Extracted: 12/21/07
Date Analyzed: 12/23/07 Time: 2342
Dilution Factor: 1 Analyst: RRR
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363895 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.010	U	0.000145	0.010
207-08-9	Benzo(k)fluoranthene	0.010	U	0.000068	0.010
65-85-0	Benzoic acid	0.052	U	0.00103	0.052
100-51-6	Benzyl alcohol	0.010	U	0.000455	0.010
92-52-4	Biphenyl	0.010	U	0.000351	0.010
111-91-1	Bis(2-Chloroethoxy)methane	0.010	U	0.000248	0.010
111-44-4	Bis(2-Chloroethyl)ether	0.010	U	0.000485	0.010
108-60-1	bis(2-Chloroisopropyl)ether	0.010	U	0.000544	0.010
117-81-7	bis(2-ethylhexyl)phthalate	0.010	U	0.00197	0.010
101-55-3	4-Bromophenyl-phenylether	0.010	U	0.000378	0.010
85-68-7	Butylbenzylphthalate	0.010	U	0.000367	0.010
105-60-2	Caprolactam	0.010	U	0.00266	0.010
86-74-8	Carbazole	0.010	U	0.000302	0.010
218-01-9	Chrysene	0.010	U	0.000058	0.010
84-74-2	Di-n-butylphthalate	0.00515	U	0.000973	0.00515
117-84-0	Di-n-octylphthalate	0.010	U	0.000917	0.010
53-70-3	Dibenz(a,h)anthracene	0.010	U	0.000265	0.010
132-64-9	Dibenzofuran	0.010	U	0.000330	0.010
84-66-2	Diethylphthalate	0.010	U	0.000265	0.010
131-11-3	Dimethyl-phthalate	0.010	U	0.000212	0.010
105-67-9	2,4-Dimethylphenol	0.010	U	0.00135	0.010
206-44-0	Fluoranthene	0.00206	U	0.000160	0.00206
86-73-7	Fluorene	0.010	U	0.000113	0.010
118-74-1	Hexachlorobenzene	0.010	U	0.000264	0.010
77-47-4	Hexachlorocyclopentadiene	0.010	U	0.000616	0.010
67-72-1	Hexachloroethane	0.00515	U	0.000868	0.00515
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	U	0.000163	0.010
78-59-1	Isophorone	0.010	U	0.000248	0.010
100-01-6	4-Nitroaniline	0.052	U	0.000581	0.052

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Water
Sample wt/vol: 970 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: SS121907-EB
Contract:
Lab File ID: 2071223/c2091
Lab Sample ID: 20712202014
Date Collected: 12/19/07 Time: 1530
Date Received: 12/20/07
Date Extracted: 12/21/07
Date Analyzed: 12/23/07 Time: 2342
Dilution Factor: 1 Analyst: RRR
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363895 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.010	U	0.000373	0.010
100-02-7	4-Nitrophenol	0.052	U	0.00207	0.052
87-86-5	Pentachlorophenol	0.052	U	0.00110	0.052
85-01-8	Phenanthrene	0.00206	U	0.000141	0.00206
108-95-2	Phenol	0.010	U	0.000335	0.010
129-00-0	Pyrene	0.00206	U	0.000092	0.00206
110-86-1	Pyridine	0.010	U	0.000360	0.010
1319-77-3M	m,p-Cresol	0.010	U	0.000304	0.010
621-64-7	N-Nitroso-di-n-propylamine	0.010	U	0.000322	0.010
62-75-9	N-Nitrosodimethylamine	0.010	U	0.00104	0.010
86-30-6	N-Nitrosodiphenylamine	0.010	U	0.000526	0.010
95-48-7	o-Cresol	0.010	U	0.000337	0.010

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2091.d
Lab Smp Id: 20712202014 Client Smp ID: 20712202014
Inj Date : 23-DEC-2007 23:42
Operator : rrr Inst ID: MSSV4.i
Smp Info : 20712202014*4482*
Misc Info : 20712202014*MSSV~4727~122020*970-1*363895*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 26-Dec-2007 06:22 rrr Quant Type: ISTD
Cal Date : 07-NOV-2007 03:14 Cal File: c0245.d
Als bottle: 42
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SA8270.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	970.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
$	3 2-Fluorophenol	112	0.820	0.825	(0.652)	93859	30.2307	31.2
$	4 Phenol-d5	99	1.184	1.189	(0.941)	80991	19.1629	19.8
*	10 1,4-Dichlorobenzene-d4	152	1.259	1.259	(1.000)	82880	40.0000	
$	19 Nitrobenzene-d5	82	1.526	1.526	(0.810)	174536	49.5645	51.1
*	28 Naphthalene-d8	136	1.884	1.890	(1.000)	327185	40.0000	
$	37 2-Fluorobiphenyl	172	2.515	2.516	(0.874)	265025	49.9677	51.5
*	44 Acenaphthene-d10	164	2.879	2.885	(1.000)	166018	40.0000	
$	57 2,4,6-Tribromophenol	332	3.361	3.366	(1.167)	38678	84.2370	86.8
*	61 Phenanthrene-d10	188	3.751	3.751	(1.000)	272293	40.0000	
	65 Di-n-butylphthalate	149	4.174	4.179	(1.113)	3776	0.54939	0.566(a)
$	70 Terphenyl-d14	244	4.730	4.730	(0.887)	188065	55.8091	57.5
*	74 Chrysene-d12	240	5.334	5.340	(1.000)	155196	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.463	5.463	(1.024)	5697	1.72041	1.77(aH)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 81 Perylene-d12	264	6.292	6.297	(1.000)	136246	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: /var/chem/MSSV4.i/2071223.s.b/c2091.d

Page 1

Date : 23-DEC-2007 23:42

Client ID: 20712202014

Instrument: MSSV4.i

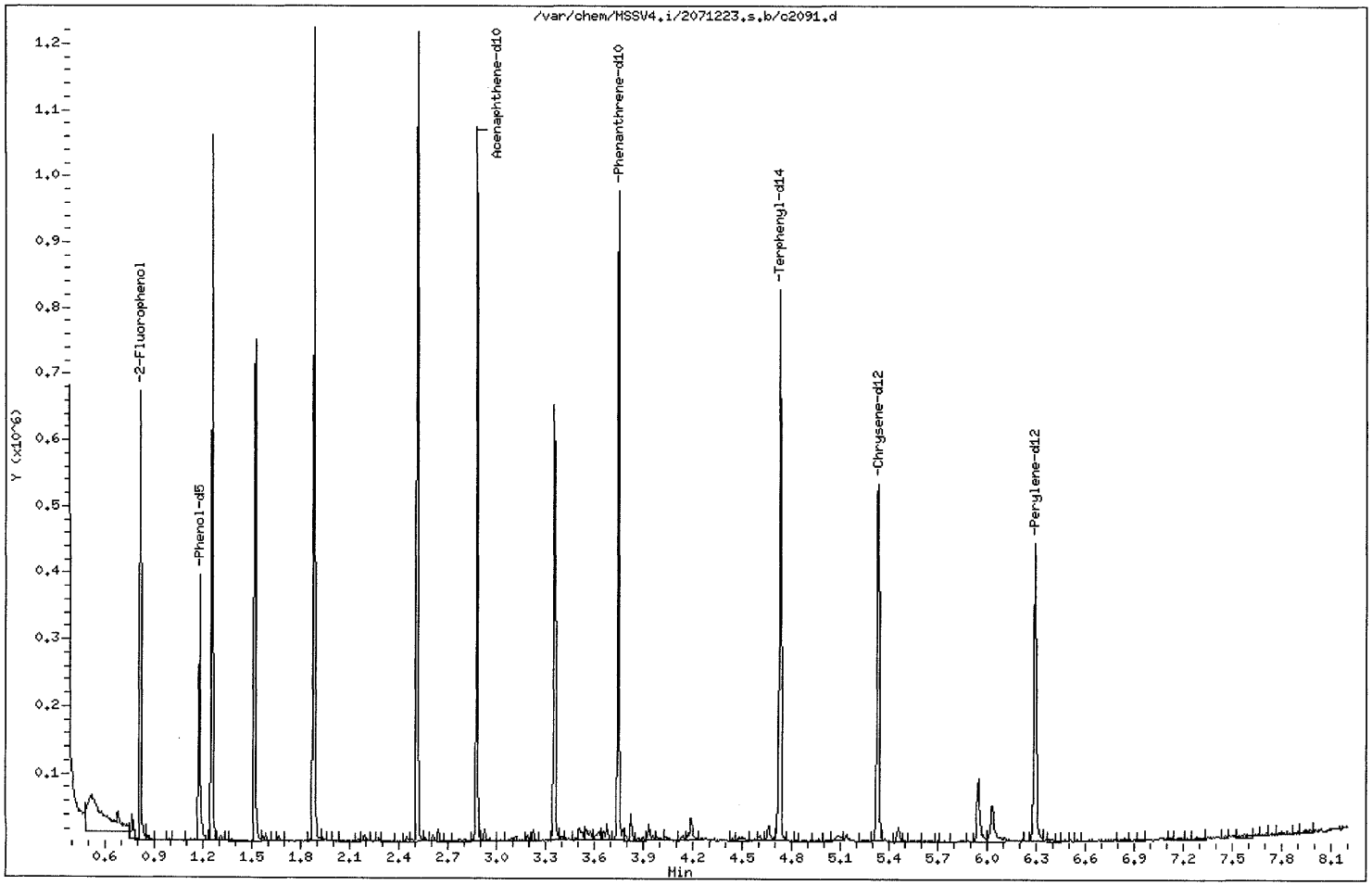
Sample Info: 20712202014*4482*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25



Data File: /var/chem/MSSV4.i/2071223.s.b/c2091.d

Date : 23-DEC-2007 23:42

Client ID: 20712202014

Instrument: MSSV4.i

Sample Info: 20712202014x4482x

Volume Injected (uL): 1.0

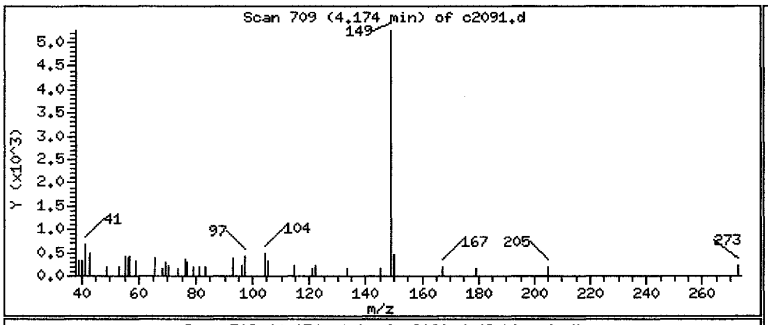
Operator: rrr

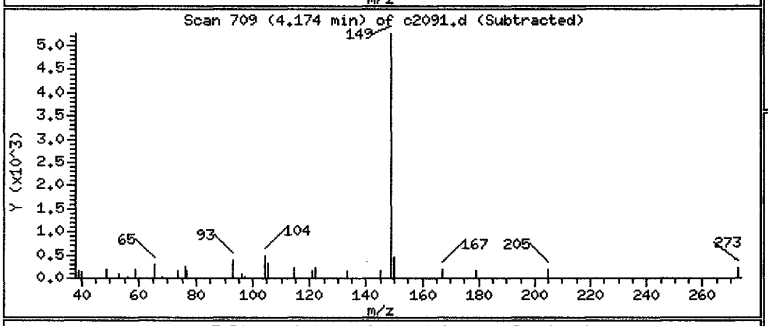
Column phase: RTX-5MS-30M

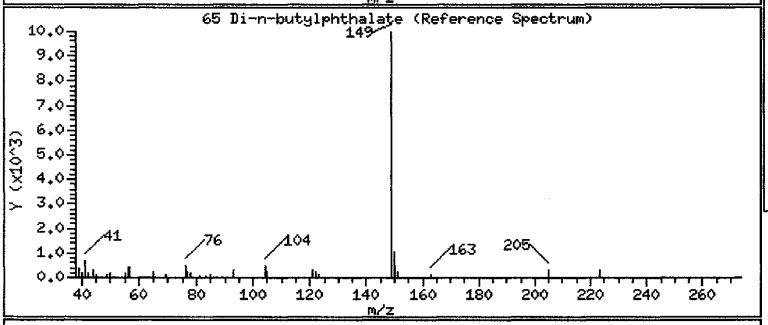
Column diameter: 0.25

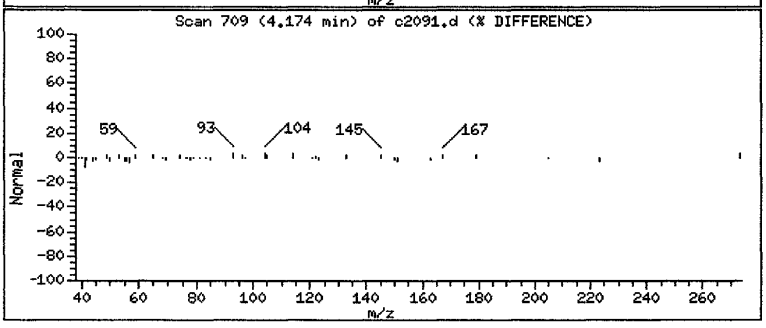
65 Di-n-butylphthalate

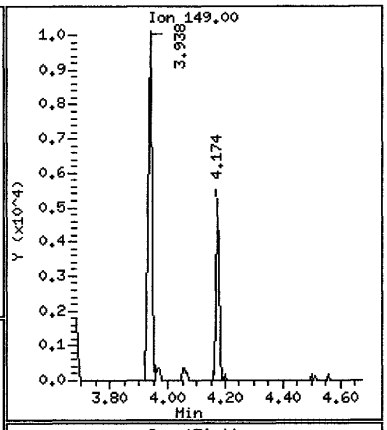
Concentration: 0.566 ug/L

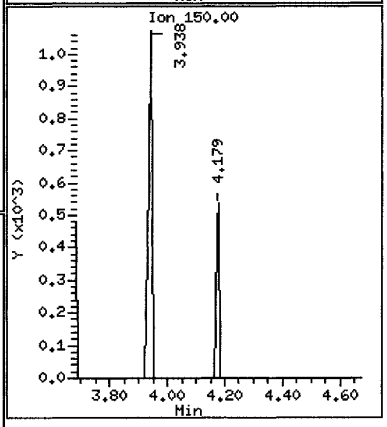












169096

Data File: /var/chem/MSSV4.i/2071223.s.b/c2091.d

Date : 23-DEC-2007 23:42

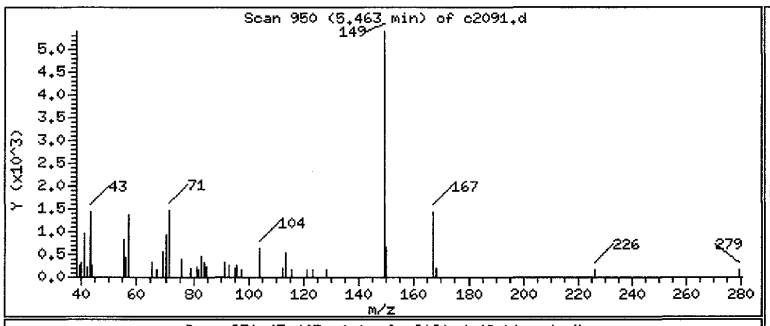
Client ID: 20712202014 Instrument: MSSV4.i

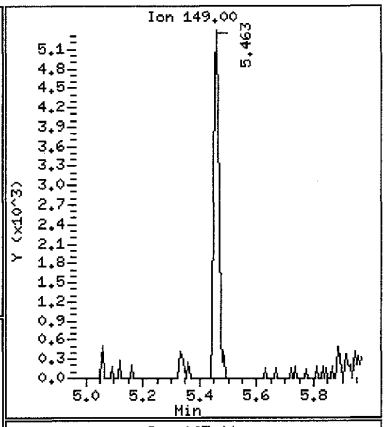
Sample Info: 20712202014x4482x

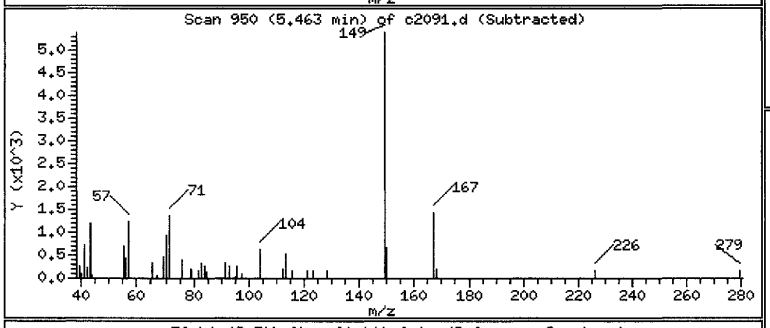
Volume Injected (uL): 1.0 Operator: rrr

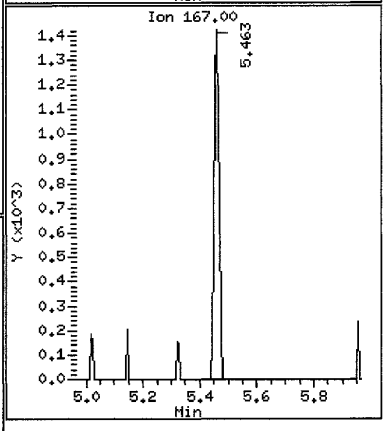
Column phase: RTX-5MS-30M Column diameter: 0.25

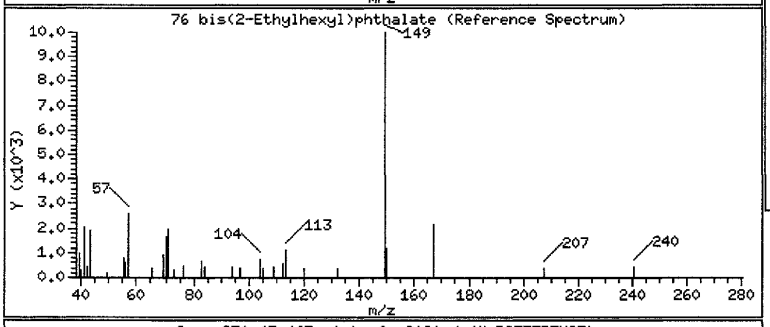
76 bis(2-Ethylhexyl)phthalate Concentration: 1.77 ug/L

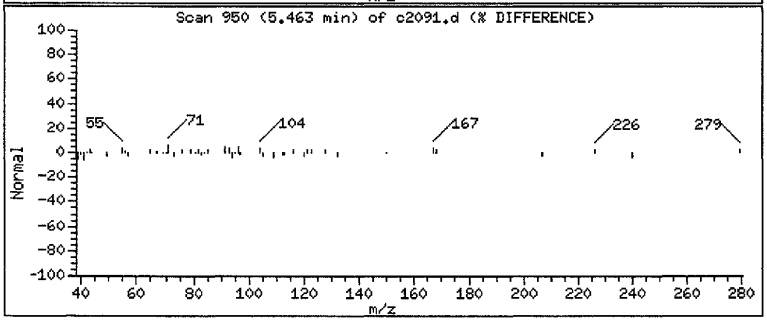








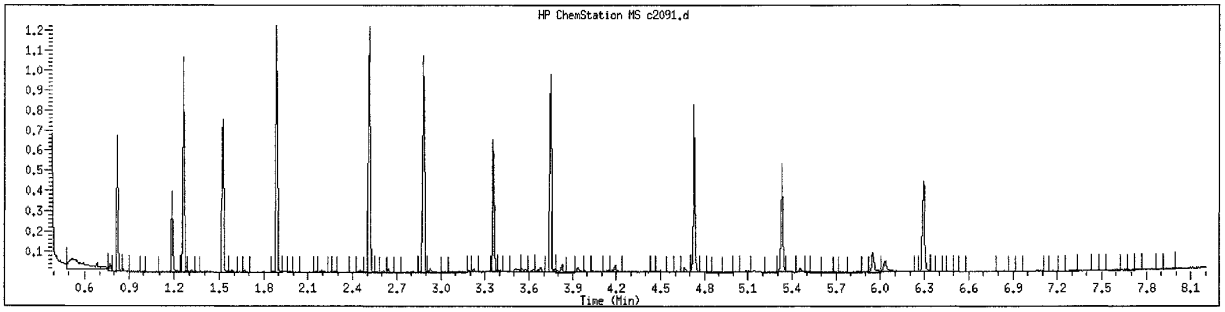




Data file : /var/chem/MSSV4.i/2071223.s.b/c2091.d Page: 1
Report Date: 12/27/2007 14:19

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202014 SampleType : SAMPLE
Injection Date: 12/23/2007 23:42 Instrument : MSSV4.i
Operator : rrr
Sample Info : 20712202014*4482*
Misc Info : 20712202014*MSSV~4727~122020*970-1*363895*
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Water
Sample wt/vol: 890 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: SS121907-FB
Contract:
Lab File ID: 2071223/c2092
Lab Sample ID: 20712202015
Date Collected: 12/19/07 Time: 1540
Date Received: 12/20/07
Date Extracted: 12/21/07
Date Analyzed: 12/23/07 Time: 2357
Dilution Factor: 1 Analyst: RRR
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363895 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.000540	J	0.000229	0.011
95-95-4	2,4,5-Trichlorophenol	0.011	U	0.000456	0.011
88-06-2	2,4,6-Trichlorophenol	0.011	U	0.000472	0.011
120-83-2	2,4-Dichlorophenol	0.011	U	0.000435	0.011
51-28-5	2,4-Dinitrophenol	0.056	U	0.00126	0.056
121-14-2	2,4-Dinitrotoluene	0.011	U	0.000521	0.011
606-20-2	2,6-Dinitrotoluene	0.011	U	0.000461	0.011
91-58-7	2-Chloronaphthalene	0.011	U	0.000386	0.011
95-57-8	2-Chlorophenol	0.011	U	0.000387	0.011
91-57-6	2-Methylnaphthalene	0.011	U	0.000114	0.011
88-74-4	2-Nitroaniline	0.056	U	0.000300	0.056
88-75-5	2-Nitrophenol	0.011	U	0.000586	0.011
91-94-1	3,3'-Dichlorobenzidine	0.022	U	0.00234	0.022
99-09-2	3-Nitroaniline	0.056	U	0.000449	0.056
534-52-1	2-Methyl-4,6-dinitrophenol	0.056	U	0.000319	0.056
59-50-7	4-Chloro-3-methylphenol	0.011	U	0.000459	0.011
106-47-8	4-Chloroaniline	0.011	U	0.000883	0.011
7005-72-3	4-Chlorophenyl-phenylether	0.011	U	0.000389	0.011
83-32-9	Acenaphthene	0.011	U	0.000152	0.011
208-96-8	Acenaphthylene	0.011	U	0.000099	0.011
98-86-2	Acetophenone	0.011	U	0.000416	0.011
62-53-3	Aniline	0.011	U	0.000625	0.011
120-12-7	Anthracene	0.00225	U	0.000114	0.00225
1912-24-9	Atrazine (Aatrex)	0.022	U	0.00231	0.022
100-52-7	Benzaldehyde	0.056	U	0.00135	0.056
92-87-5	Benzidine	0.045	U	0.00807	0.045
56-55-3	Benzo(a)anthracene	0.011	U	0.000089	0.011
50-32-8	Benzo(a)pyrene	0.011	U	0.000169	0.011
205-99-2	Benzo(b)fluoranthene	0.011	U	0.000185	0.011

FORM I SV-1

169099

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Water
Sample wt/vol: 890 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: SS121907-FB
Contract:
Lab File ID: 2071223/c2092
Lab Sample ID: 20712202015
Date Collected: 12/19/07 Time: 1540
Date Received: 12/20/07
Date Extracted: 12/21/07
Date Analyzed: 12/23/07 Time: 2357
Dilution Factor: 1 Analyst: RRR
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363895 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.011	U	0.000158	0.011
207-08-9	Benzo(k)fluoranthene	0.011	U	0.000074	0.011
65-85-0	Benzoic acid	0.056	U	0.00112	0.056
100-51-6	Benzyl alcohol	0.011	U	0.000496	0.011
92-52-4	Biphenyl	0.011	U	0.000383	0.011
111-91-1	Bis(2-Chloroethoxy)methane	0.011	U	0.000270	0.011
111-44-4	Bis(2-Chloroethyl)ether	0.011	U	0.000528	0.011
108-60-1	bis(2-Chloroisopropyl)ether	0.011	U	0.000593	0.011
117-81-7	bis(2-ethylhexyl)phthalate	0.011	U	0.00214	0.011
101-55-3	4-Bromophenyl-phenylether	0.011	U	0.000412	0.011
85-68-7	Butylbenzylphthalate	0.011	U	0.000400	0.011
105-60-2	Caprolactam	0.011	U	0.00290	0.011
86-74-8	Carbazole	0.011	U	0.000329	0.011
218-01-9	Chrysene	0.011	U	0.000063	0.011
84-74-2	Di-n-butylphthalate	0.00562	U	0.00106	0.00562
117-84-0	Di-n-octylphthalate	0.011	U	0.000999	0.011
53-70-3	Dibenz(a,h)anthracene	0.011	U	0.000289	0.011
132-64-9	Dibenzofuran	0.011	U	0.000360	0.011
84-66-2	Diethylphthalate	0.011	U	0.000289	0.011
131-11-3	Dimethyl-phthalate	0.011	U	0.000231	0.011
105-67-9	2,4-Dimethylphenol	0.011	U	0.00147	0.011
206-44-0	Fluoranthene	0.00225	U	0.000175	0.00225
86-73-7	Fluorene	0.011	U	0.000123	0.011
118-74-1	Hexachlorobenzene	0.011	U	0.000287	0.011
77-47-4	Hexachlorocyclopentadiene	0.011	U	0.000671	0.011
67-72-1	Hexachloroethane	0.00562	U	0.000946	0.00562
193-39-5	Indeno(1,2,3-cd)pyrene	0.011	U	0.000178	0.011
78-59-1	Isophorone	0.011	U	0.000270	0.011
100-01-6	4-Nitroaniline	0.056	U	0.000633	0.056

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Water
Sample wt/vol: 890 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: SS121907-FB
Contract:
Lab File ID: 2071223/c2092
Lab Sample ID: 20712202015
Date Collected: 12/19/07 Time: 1540
Date Received: 12/20/07
Date Extracted: 12/21/07
Date Analyzed: 12/23/07 Time: 2357
Dilution Factor: 1 Analyst: RRR
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363895 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.011	U	0.000406	0.011
100-02-7	4-Nitrophenol	0.056	U	0.00226	0.056
87-86-5	Pentachlorophenol	0.056	U	0.00119	0.056
85-01-8	Phenanthrene	0.00225	U	0.000154	0.00225
108-95-2	Phenol	0.011	U	0.000366	0.011
129-00-0	Pyrene	0.00225	U	0.000101	0.00225
110-86-1	Pyridine	0.011	U	0.000392	0.011
1319-77-3M	m,p-Cresol	0.011	U	0.000331	0.011
621-64-7	N-Nitroso-di-n-propylamine	0.011	U	0.000351	0.011
62-75-9	N-Nitrosodimethylamine	0.011	U	0.00114	0.011
86-30-6	N-Nitrosodiphenylamine	0.011	U	0.000573	0.011
95-48-7	o-Cresol	0.011	U	0.000367	0.011

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2092.d
Lab Smp Id: 20712202015 Client Smp ID: 20712202015
Inj Date : 23-DEC-2007 23:57
Operator : rrr Inst ID: MSSV4.i
Smp Info : 20712202015*4482*
Misc Info : 20712202015*MSSV~4727~122020*890-1*363895*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 26-Dec-2007 06:22 rrr Quant Type: ISTD
Cal Date : 07-NOV-2007 03:14 Cal File: c0245.d
Als bottle: 43
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SA8270.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	890.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/L)
$	3	2-Fluorophenol	112	0.820	0.825	(0.651)	113020	39.6672	44.6
$	4	Phenol-d5	99	1.184	1.189	(0.940)	100286	25.8565	29.1
*	10	1,4-Dichlorobenzene-d4	152	1.258	1.259	(1.000)	76058	40.0000	
$	19	Nitrobenzene-d5	82	1.521	1.526	(0.807)	150276	48.2990	54.3
*	28	Naphthalene-d8	136	1.884	1.890	(1.000)	289088	40.0000	
$	37	2-Fluorobiphenyl	172	2.515	2.516	(0.874)	214844	47.8621	53.8
*	44	Acenaphthene-d10	164	2.879	2.885	(1.000)	140504	40.0000	
	56	Azobenzene	77	3.328	3.318	(0.887)	2985	0.48044	0.540(a)
$	57	2,4,6-Tribromophenol	332	3.361	3.366	(1.167)	34379	88.4706	99.4
*	61	Phenanthrene-d10	188	3.751	3.751	(1.000)	218383	40.0000	
$	70	Terphenyl-d14	244	4.730	4.730	(0.888)	202690	62.4371	70.2(R)
*	74	Chrysene-d12	240	5.329	5.340	(1.000)	149509	40.0000	
	76	bis(2-Ethylhexyl)phthalate	149	5.457	5.463	(1.024)	2765	0.86675	0.974(a)

169102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 81 Perylene-d12	264	6.292	6.297	(1.000)	145252	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

169103

Data File: /var/chem/MSSV4.i/2071223.s.b/c2092.d

Page 1

Date : 23-DEC-2007 23:57

Client ID: 20712202015

Instrument: MSSV4.i

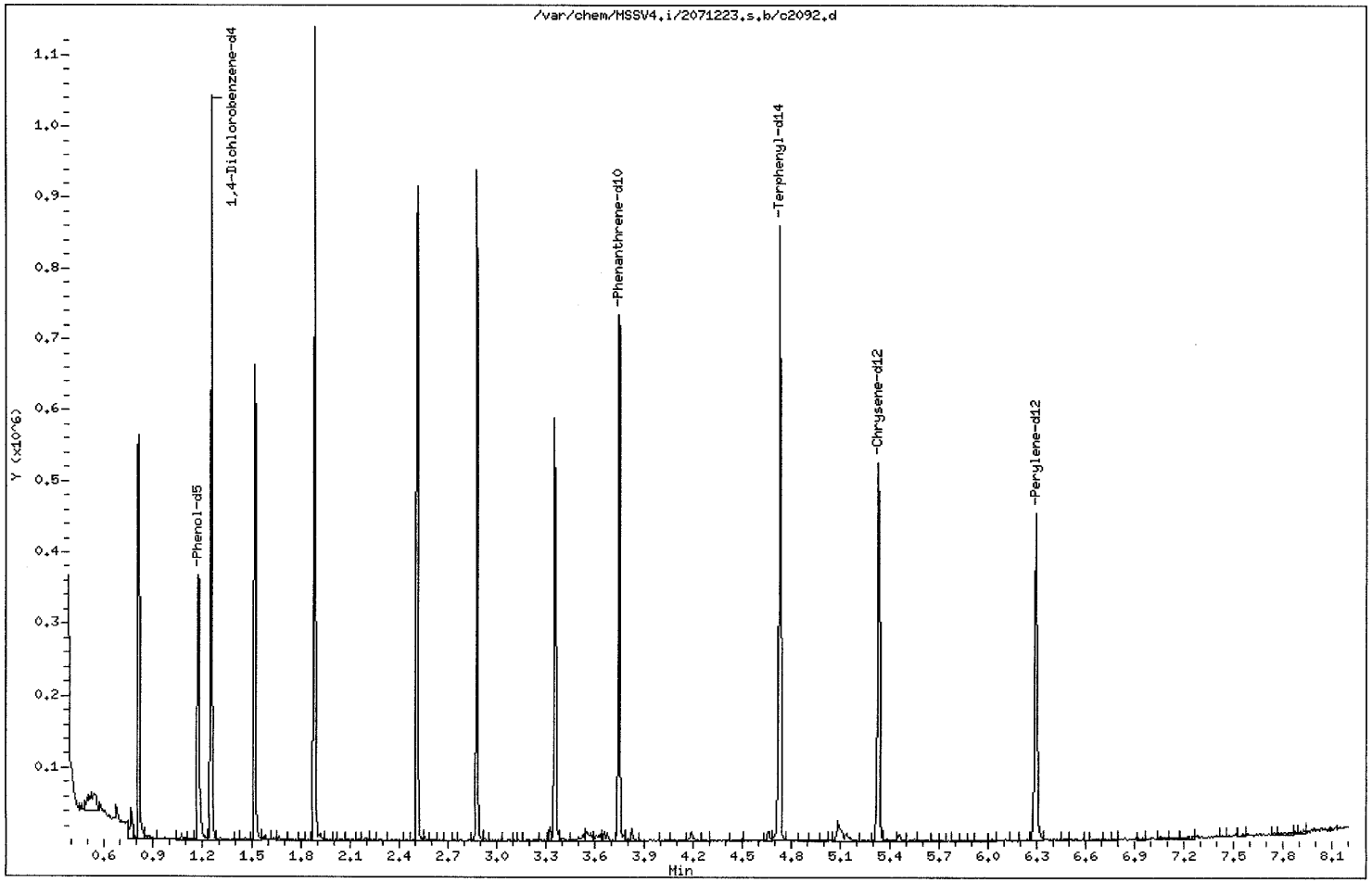
Sample Info: 20712202015*4482*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25



169104

Data File: /var/chem/MSSV4.i/2071223.s.b/c2092.d

Date : 23-DEC-2007 23:57

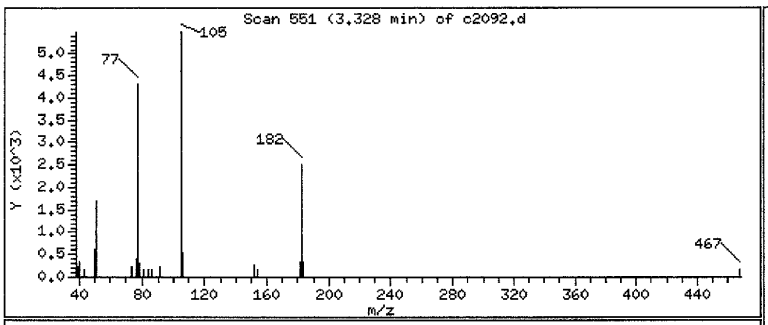
Client ID: 20712202015 Instrument: MSSV4.i

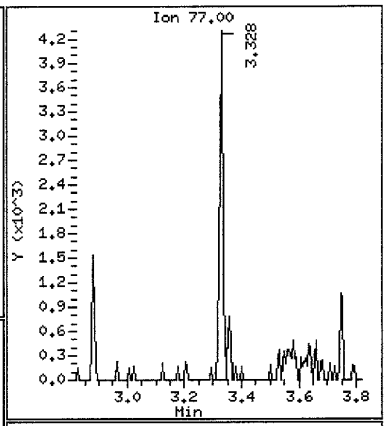
Sample Info: 20712202015x4482x

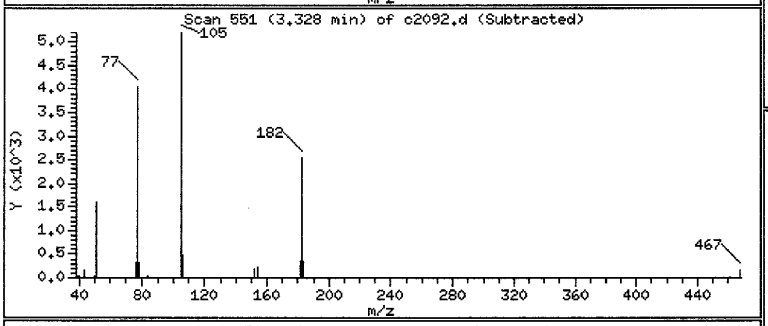
Volume Injected (uL): 1.0 Operator: rrr

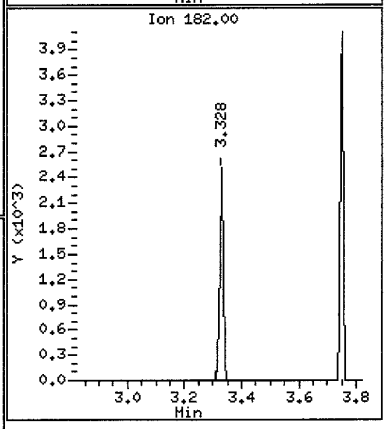
Column phase: RTX-5MS-30M Column diameter: 0.25

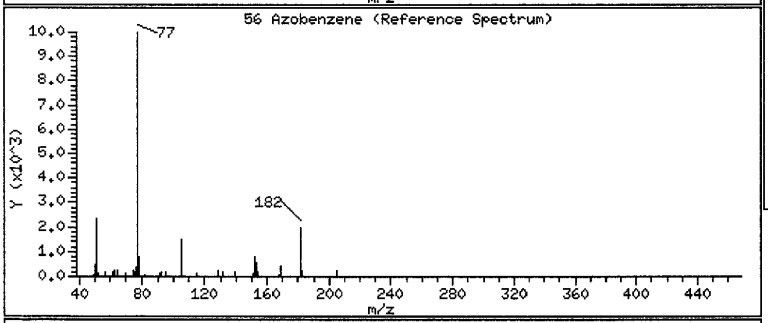
56 Azobenzene Concentration: 0.540 ug/L

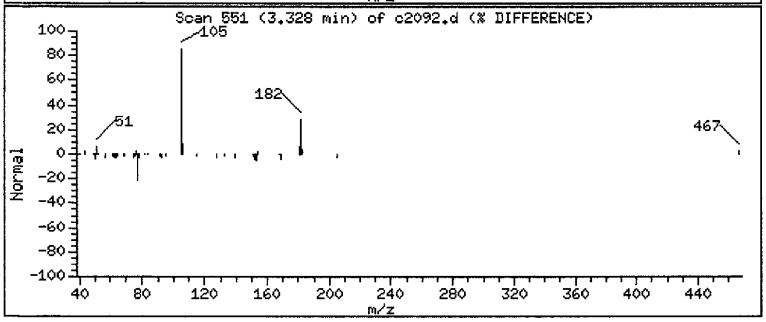












169105

Data File: /var/chem/MSSV4.i/2071223.s.b/c2092.d

Date : 23-DEC-2007 23:57

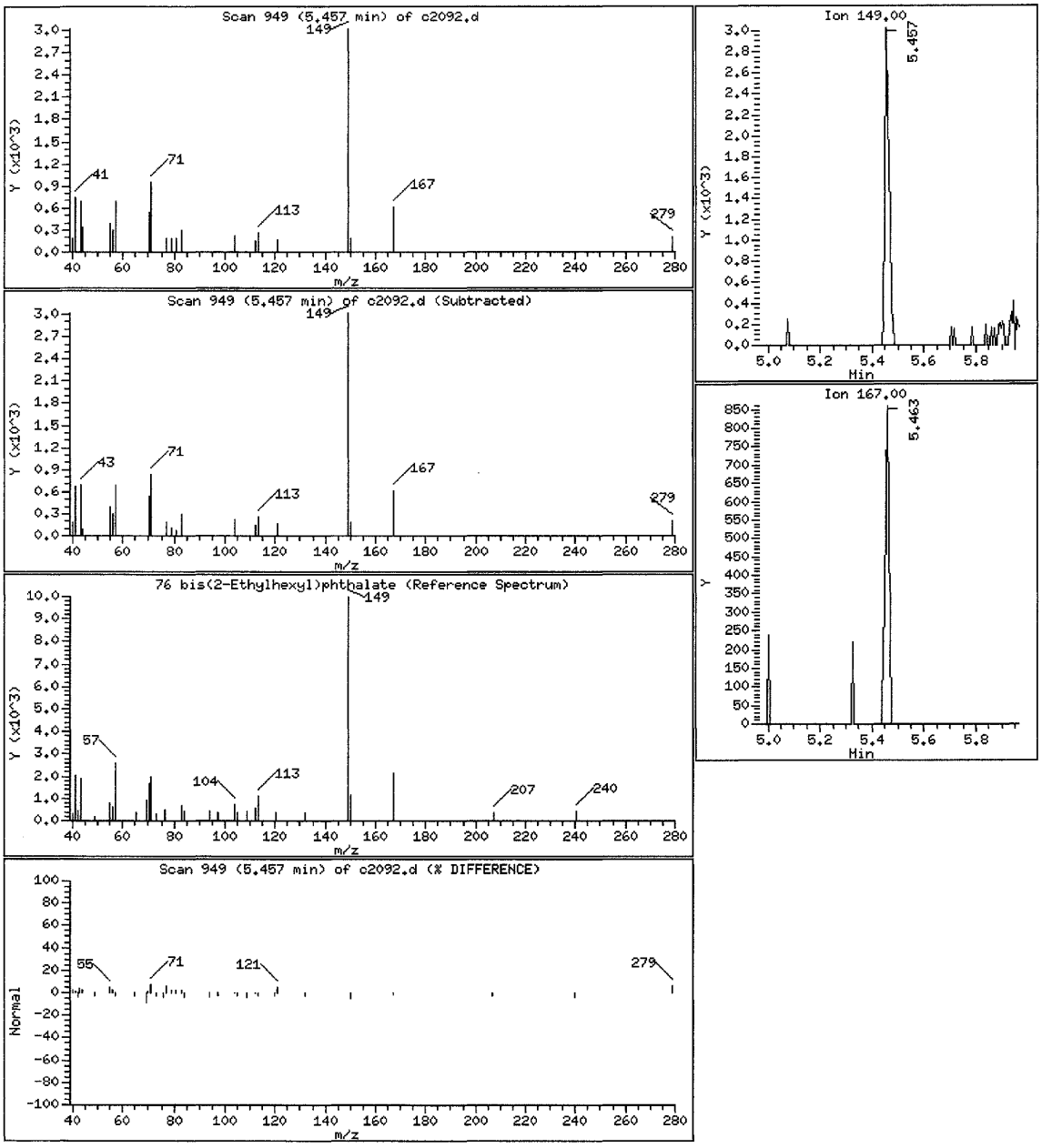
Client ID: 20712202015 Instrument: MSSV4.i

Sample Info: 20712202015x4482x

Volume Injected (uL): 1.0 Operator: rrr

Column phase: RTX-5MS-30M Column diameter: 0.25

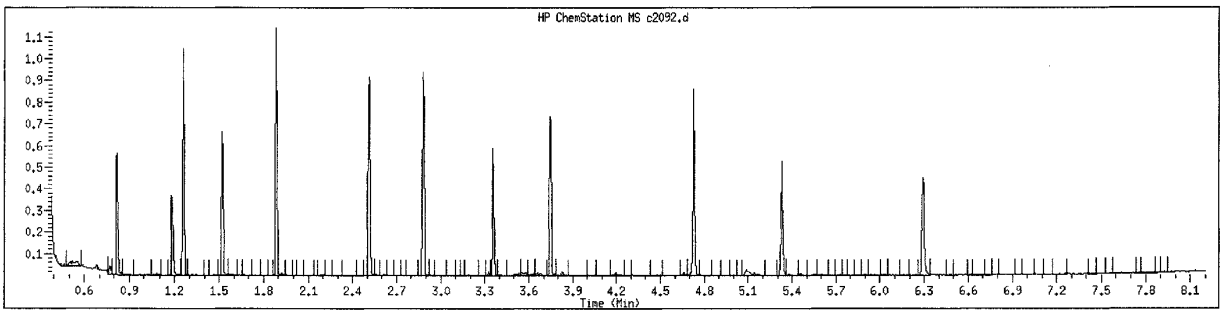
76 bis(2-Ethylhexyl)phthalate Concentration: 0.974 ug/L



Data file : /var/chem/MSSV4.i/2071223.s.b/c2092.d Page: 1
Report Date: 12/27/2007 14:19

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202015 SampleType : SAMPLE
Injection Date: 12/23/2007 23:57 Instrument : MSSV4.i
Operator : rrr
Sample Info : 20712202015*4482*
Misc Info : 20712202015*MSSV~4727~122020*890-1*363895*
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
End Cal Date : 23-DEC-2007 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Calibration File Names:
Level 1: /var/chem/MSSV4.i/2071223.s.b/c2059.d
Level 2: /var/chem/MSSV4.i/2071104.s.b/c0098.d
Level 3: /var/chem/MSSV4.i/2071106.s.b/c0250.d
Level 4: /var/chem/MSSV4.i/2071106.s.b/c0246.d
Level 5: /var/chem/MSSV4.i/2071106.s.b/c0245.d
Level 6: /var/chem/MSSV4.i/2071223.s.b/c2053.d
Level 7: /var/chem/MSSV4.i/2071106.s.b/c0248.d
Level 8: /var/chem/MSSV4.i/2071106.s.b/c0249.d
Level 9: /var/chem/MSSV4.i/2071104.s.b/c0126.d

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
1 n-Nitrosodimethylamine	572	2696	4537	19573	67542	95160					
	131336	233028	367819				QUAD	-0.13056	2.29051	-0.24433	0.99247
2 Pyridine	+++++	3746	6624	52785	179372	337374					
	428218	+++++	+++++				QUAD	-0.02439	0.55703	0.00195	0.99694
5 Aniline	2.54390	2.67474	2.33349	3.07379	2.44785	2.58142					
	2.44078	2.34609	2.14601				AVRG		2.50978		10.45116

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
End Cal Date : 23-DEC-2007 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
6 Phenol +	+++++	+++++	1.98150	2.44852	2.10390	2.23372					
	2.04549	1.96224	1.79593				AVRG		2.08161		10.10447
7 bis(-2-Chloroethyl)Ether	1.12974	1.29609	1.11071	1.20538	1.05585	1.09625					
	1.02828	1.00815	0.97674				AVRG		1.10080		9.15700
8 2-Chlorophenol	+++++	+++++	1.32111	1.65266	1.36919	1.53175					
	1.40572	1.36525	1.28348				AVRG		1.41845		9.13778
9 1,3-Dichlorobenzene	+++++	1.77340	1.43850	1.80542	1.51859	1.60829					
	1.59304	1.46144	1.52916				AVRG		1.59098		8.52138
11 1,4-Dichlorobenzene +	+++++	+++++	1.51504	1.77966	1.54598	1.60072					
	1.59361	1.47240	1.57592				AVRG		1.58333		6.17584
12 Benzyl alcohol	+++++	+++++	1.02095	1.09243	1.03769	0.99463					
	0.95670	0.93946	0.80570				AVRG		0.97822		9.36936
13 1,2-Dichlorobenzene	+++++	+++++	1.49273	1.74238	1.48685	1.54359					
	1.51433	1.44677	1.43690				AVRG		1.52337		6.78358

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
End Cal Date : 23-DEC-2007 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
14 Bis(2-chloroisopropyl)ether	1.88225	2.15614	1.79718	2.22342	1.88915	1.95243					
	1.89301	1.79856	1.74642				AVRG		1.92651		8.44121
15 2-Methylphenol	+++++	+++++	1.37981	1.64596	1.43760	1.44637					
	1.35108	1.29947	1.20968				AVRG		1.39571		9.83530
16 N-Nitroso-di-n-propylamine++	+++++	+++++	1.26482	1.37457	1.15879	1.21633					
	1.14332	1.05615	0.93784				AVRG		1.16455		12.16796
17 3- & 4-Methylphenol	+++++	+++++	1.60291	1.75799	1.50979	1.46398					
	1.38797	1.38922	1.26784				AVRG		1.48282		10.84630
18 Hexachloroethane	0.73473	0.71938	0.69196	0.74211	0.61714	0.64645					
	0.63142	0.60065	0.60565				AVRG		0.66550		8.55236
20 Nitrobenzene	+++++	0.75565	0.60978	0.74592	0.64954	0.62819					
	0.61695	0.48659	0.52449				AVRG		0.62714		14.98532
21 Isophorone	+++++	+++++	0.81961	0.94362	0.79817	0.82160					
	0.78824	0.71957	0.72278				AVRG		0.80194		9.39026

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
End Cal Date : 23-DEC-2007 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
22 2-Nitrophenol +	+++++	+++++	0.17868	0.21264	0.20138	0.20435					
	0.20670	0.19471	0.19252				AVRG		0.19871		5.63429
23 2,4-Dimethyphenol	+++++	+++++	0.39367	0.50496	0.41495	0.41442					
	0.40571	0.37694	0.36467				AVRG		0.41076		11.10821
24 bis(-2-Chloroethoxy)methane	+++++	+++++	0.45570	0.54083	0.47402	0.48660					
	0.47715	0.44236	0.44524				AVRG		0.47456		7.09207
25 Benzoic Acid	+++++	+++++	+++++	0.15758	0.16620	0.18314					
	0.16873	0.15977	0.14662				AVRG		0.16367		7.50282
26 2,4-Dichlorophenol +	+++++	0.28573	0.27387	0.30830	0.29015	0.28914					
	0.28082	0.26130	0.26305				AVRG		0.28155		5.49611
27 1,2,4-Trichlorobenzene	+++++	+++++	0.30338	0.34026	0.30786	0.31439					
	0.31725	0.29984	0.30982				AVRG		0.31326		4.25295
29 Naphthalene	+++++	1.16773	1.01455	1.18382	1.00905	1.01449					
	0.99332	0.94655	0.97768				AVRG		1.03840		8.46066

169111

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
End Cal Date : 23-DEC-2007 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
30 4-Chloroaniline	+++++	+++++	0.37983	0.50004	0.40190	0.40567					
	0.40309	0.35573	0.34686				AVRG		0.39902		12.62892
31 Hexachlorobutadiene +	0.11367	0.17314	0.16678	0.17491	0.16421	0.17483					
	0.17799	0.17013	0.18091				AVRG		0.16629		12.27426
32 4-Chloro-3-Methylphenol +	+++++	0.38320	0.32459	0.38489	0.32538	0.31436					
	0.31598	0.27172	0.26961				AVRG		0.32371		13.34528
33 2-Methylnaphthalene	0.67963	0.75662	0.66951	0.77995	0.63516	0.67041					
	0.64499	0.60083	0.60632				AVRG		0.67149		9.17183
34 Hexachlorocyclopentadiene ++	+++++	+++++	+++++	0.27270	0.33569	0.37010					
	0.37838	0.39471	0.41530				AVRG		0.36114		14.06846
35 2,4,6-Trichlorophenol +	+++++	+++++	0.31586	0.41474	0.37467	0.37477					
	0.37764	0.35998	0.36801				AVRG		0.36938		7.92155
36 2,4,5-Trichlorphenol	+++++	+++++	0.33357	0.43108	0.38683	0.40838					
	0.40004	0.40119	0.40021				AVRG		0.39447		7.61192

169112

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
End Cal Date : 23-DEC-2007 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
38 2-Chloronaphthalene	+++++	+++++	+++++	1.35280	1.14412	1.15209					
	1.15457	1.12123	1.13491				AVRG		1.17662		7.40853
39 2-Nitroaniline	+++++	+++++	0.35699	0.46065	0.41246	0.40585					
	0.41090	0.38495	0.38003				AVRG		0.40169		8.15684
40 Dimethylphthalate	+++++	1.32427	1.01400	1.28197	1.11694	1.12132					
	1.09506	1.04369	1.03826				AVRG		1.12944		10.12951
41 2,6-Dinitrotoluene	+++++	+++++	+++++	0.30337	0.26950	0.27096					
	0.26530	0.25652	0.25698				AVRG		0.27044		6.37651
42 Acenaphthylene	1.75502	1.94791	1.71200	2.01693	1.78782	1.79282					
	1.79272	1.77918	1.75489				AVRG		1.81548		5.48303
43 3-Nitroaniline	+++++	+++++	0.27442	0.38700	0.32269	0.30969					
	0.30398	0.28583	0.27780				AVRG		0.30877		12.54474
45 Acenaphthene +	1.05959	1.25272	1.04643	1.23456	1.09770	1.09019					
	1.07818	1.03500	1.06368				AVRG		1.10645		7.26400

GCAL, Inc.

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Start Cal Date : 01-NOV-2007 15:45
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Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
46 2,4-Dinitrophenol ++	+++++	+++++	+++++	0.11231	0.15034	0.16399					
	0.16440	0.16602	0.16127				AVRG		0.15305		13.55345
47 Dibenzofuran	+++++	+++++	1.55062	1.83348	1.53558	1.58469					
	1.54160	1.51837	1.51725				AVRG		1.58308		7.12115
48 2,4-Dinitrotoluene	+++++	+++++	0.28178	0.38995	0.33961	0.35101					
	0.33666	0.31531	0.31221				AVRG		0.33236		10.26994
49 4-Nitrophenol ++	+++++	+++++	+++++	0.20171	0.18308	0.18720					
	0.19135	0.17956	0.17731				AVRG		0.18670		4.78782
50 Diethylphthalate	1.37666	1.12803	1.01273	1.21993	1.05690	1.03554					
	0.99898	0.92311	0.90173				AVRG		1.07262		13.96125
51 Fluorene	1.40420	1.39249	1.08711	1.36210	1.17442	1.17116					
	1.14057	1.07966	1.08271				AVRG		1.21049		11.31351
52 4-Chlorophenyl-phenylether	+++++	+++++	0.48332	0.56849	0.53051	0.53637					
	0.52576	0.51695	0.51987				AVRG		0.52590		4.83212

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
End Cal Date : 23-DEC-2007 15:41
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Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1 / 120 Level 7	1 Level 2 / 160 Level 8	2 Level 3 / 200 Level 9	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
53 4-Nitroaniline	+++++	+++++	0.27442	0.38700	0.32269	0.30969						
	0.30398	0.28583	0.27780				AVRG		0.30877		12.54470	
54 4,6-Dinitro-o-cresol	+++++	+++++	+++++	0.12692	0.13659	0.14965						
	0.14620	0.14524	0.14658				AVRG		0.14187		6.01655	
55 N-nitrosodiphenylamine (1)+	0.44853	0.51649	0.45903	0.54423	0.49601	0.50478						
	0.49781	0.50492	0.50918				AVRG		0.49789		5.79807	
56 Azobenzene	+++++	+++++	1.08722	1.28153	1.14298	1.11862						
	1.10090	1.11773	1.11708				AVRG		1.13801		5.76287	
58 4-Bromophenyl-phenylether	+++++	+++++	0.13308	0.15905	0.14892	0.15260						
	0.14617	0.14921	0.15242				AVRG		0.14878		5.39704	
59 Hexachlorobenzene	0.12764	0.16793	0.16281	0.17372	0.16149	0.17455						
	0.16949	0.18351	0.18386				AVRG		0.16722		10.05798	
60 Pentachlorophenol +	+++++	+++++	0.04222	0.08658	0.09500	0.10175						
	0.10301	0.11084	0.10972				AVRG		0.09273		25.66372	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
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Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
62 Phenanthrene	1.21125	1.13134	0.95612	1.15209	1.00385	0.99600					
	0.98702	0.99950	1.00672				AVRG		1.04932		8.60911
63 Anthracene	+++++	1.01667	0.97481	1.09909	1.03089	1.00459					
	1.03240	1.02747	1.00671				AVRG		1.02408		3.48545
64 Carbazole	+++++	+++++	0.86924	1.06449	0.91287	0.87640					
	0.90959	0.88516	0.88101				AVRG		0.91411		7.47400
65 Di-n-butylphthalate	0.90378	1.02431	0.88676	1.13068	1.05868	1.02589					
	1.03237	1.01661	1.00780				AVRG		1.00965		7.37933
M 66 Total Methylphenol	+++++	+++++	1.49136	1.70198	1.47370	1.45518					
	1.36953	1.34434	1.23876				AVRG		1.43926		10.11831
67 Fluoranthene +	0.84591	0.90912	0.86008	1.08161	0.95493	0.95295					
	0.92035	0.89421	0.87979				AVRG		0.92211		7.65540
68 Benzidine	+++++	+++++	0.44250	0.48904	0.35950	0.38279					
	0.39746	0.36341	0.37556				AVRG		0.40146		11.85843

GCAL, Inc.

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Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
69 Pyrene	1.40322	1.73649	1.45243	1.78447	1.50580	1.53605					
	1.54109	1.54962	1.51130				AVRG		1.55783		7.99153
71 Butylbenzylphthalate	+++++	+++++	0.60705	0.77253	0.70247	0.67758					
	0.65772	0.65119	0.64306				AVRG		0.67309		7.84994
72 Benzo(a)anthracene	+++++	1.45524	1.17272	1.33308	1.12451	1.27562					
	1.24857	1.14240	1.15980				AVRG		1.23899		9.15939
73 3,3'-Dichlorobenzidine	+++++	0.37063	0.35316	0.38944	0.39346	0.40593					
	0.41421	0.38745	0.40073				AVRG		0.38938		5.04666
75 Chrysene	1.12806	1.24274	1.10712	1.30650	1.27467	1.16476					
	1.16416	1.14224	1.22497				AVRG		1.19503		5.82839
76 bis(2-Ethylhexyl)phthalate	1.03939	0.81314	0.69477	0.89369	0.88550	0.87084					
	0.83835	0.81100	0.83466				AVRG		0.85348		10.69931
77 Di-n-octylphthalate +	+++++	+++++	1.05564	1.32822	1.35714	1.33790					
	1.32958	1.26633	1.32035				AVRG		1.28502		8.16569

GCAL, Inc.

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Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
78 Benzo(b)fluoranthene	1.27018	1.15409	1.21317	1.43513	1.45168	1.38903					
	1.48704	1.41513	1.55100				AVRG		1.37405		9.65518
79 Benzo(k)fluoranthene	1.39706	1.38920	1.31757	1.85542	1.48711	1.62106					
	1.37364	1.48140	1.31634				AVRG		1.47098		11.76889
80 Benzo(a)pyrene +	1.21000	1.07796	1.05105	1.37665	1.21967	1.26862					
	1.24507	1.28000	1.28022				AVRG		1.22325		8.35105
82 Indeno(1,2,3-cd)pyrene	397	2514	8870	28347	150909	290762					
	410765	602539	764237				QUAD	0.02750	1.32388	-0.08419	0.99864
83 Dibenzo(a,h)anthracene	635	3242	6178	25750	146021	268331					
	405814	523222	716311				QUAD	0.00547	1.07731	-0.04844	0.99964
84 Benzo(g,h,i)perylene	615	3718	8689	33149	161740	308080					
	469527	616491	841435				QUAD	0.00468	0.93762	-0.03797	0.99950
85 2-Picoline	+++++	+++++	10629	64169	271150	373781					
	562188	782548	955465				QUAD	-0.11049	0.57537	-0.00668	0.99580

GCAL, Inc.

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Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
86 N-Nitrosomethylethylamine	+++++	+++++	1.18697	1.14268	0.94727	0.95636					
	0.94845	0.91267	0.91754				AVRG		1.00170		11.31383
87 Methyl methanesulfonate	+++++	+++++	1.10167	1.03662	0.91766	0.96601					
	1.04853	0.96248	0.87226				AVRG		0.98646		8.11085
88 N-Nitrosodiethylamine	+++++	+++++	0.91445	0.91152	0.82922	0.85710					
	0.88851	0.83979	0.78917				AVRG		0.86139		5.36213
89 Ethyl methanesulfonate	+++++	+++++	1.51920	1.58601	1.33643	1.36863					
	1.49500	1.44357	1.30337				AVRG		1.43603		7.24838
90 Pentachloroethane	+++++	+++++	0.57019	0.61892	0.54593	0.57651					
	0.54179	0.53161	0.53571				AVRG		0.56009		5.53783
91 Acetophenone	+++++	+++++	1.00105	1.06196	0.93202	0.96321					
	0.91104	0.89273	0.83013				AVRG		0.94173		8.03196
92 O-Toluidine	+++++	+++++	1.75388	1.91631	1.71398	1.96304					
	1.92532	1.77711	1.71786				AVRG		1.82393		5.86274

GCAL, Inc.

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Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	120 Level 7	160 Level 8	200 Level 9									
93 N-Nitrosomorpholine	+++++	+++++	1.06733	1.09302	0.94385	1.03286						
	1.04448	0.95391	0.94377				AVRG		1.01132		6.22584	
94 N-Nitrosopiperidine	+++++	+++++	0.25855	0.26719	0.23824	0.24696						
	0.24392	0.23951	0.23681				AVRG		0.24731		4.63043	
95 0,0,0-Triethylphosphorothioat	+++++	+++++	0.15088	0.17333	0.14723	0.15598						
	0.15669	0.14813	0.14669				AVRG		0.15413		6.08815	
96 Alpha,Alpha-Dimethylphenethyl	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
97 Hexachloropropene	+++++	+++++	0.19034	0.20863	0.19269	0.19971						
	0.20067	0.19804	0.19746				AVRG		0.19822		2.98363	
98 2,6-Dichlorophenol	+++++	+++++	0.24368	0.27905	0.24145	0.26128						
	0.26889	0.25644	0.24530				AVRG		0.25659		5.51395	
99 N-Nitrosodi-n-butylamine	+++++	+++++	0.29676	0.32161	0.27439	0.29489						
	0.30121	0.28591	0.27644				AVRG		0.29303		5.52779	

GCAL, Inc.

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Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
100 p-Phenylenediamine	+++++	+++++	+++++	9915	78854	186262					
	289073	401382	468899				LINR	0.25269	0.24754		0.99593
101 Isosafrole	+++++	+++++	+++++	0.13942	0.12328	0.13356					
	0.13353	0.12722	0.12697				AVRG		0.13066		4.50565
102 1,2,4,5-Tetrachlorobenzene	+++++	0.66337	0.54859	0.58401	0.49985	0.50015					
	0.50355	0.46934	0.47390				AVRG		0.53035		12.42056
103 Safrole	+++++	+++++	1.08003	1.18696	0.99457	1.00114					
	0.99493	1.01947	0.99031				AVRG		1.03820		6.99836
104 1,4-Naphthoquinone	+++++	+++++	0.17576	0.21284	0.22819	0.24084					
	0.24538	0.23431	0.22758				AVRG		0.22356		10.53436
105 m-Dinitrobenzene	+++++	+++++	0.15499	0.17547	0.18838	0.20422					
	0.19765	0.21656	0.20812				AVRG		0.19220		11.03817
106 Pentachlorobenzene	+++++	+++++	0.41572	0.39530	0.35642	0.37334					
	0.38390	0.37748	0.37840				AVRG		0.38294		4.85526

GCAL, Inc.

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Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
107 2-Napthylamine	+++++	+++++	+++++	30773	167683	382360					
	550487	733155	791008				QUAD	0.16694	1.06971	0.12164	0.99546
108 2,3,4,6-Tetrachlorophenol	+++++	+++++	+++++	0.19279	0.19563	0.21447					
	0.21936	0.23057	0.22880				AVRG		0.21360		7.57481
109 1-Naphthylamine	+++++	+++++	0.80533	0.73009	0.63241	0.71684					
	0.64847	0.63439	0.56569				AVRG		0.67618		11.75038
110 Thionazin	+++++	+++++	0.24160	0.25627	0.22425	0.20920					
	0.19783	0.19730	0.19711				AVRG		0.21765		10.95096
111 5-Nitro-o-toluidine	+++++	+++++	0.26200	0.32300	0.24814	0.26602					
	0.23995	0.25192	0.23720				AVRG		0.26118		11.19333
112 Tetraethyldithiopyrophosphate	+++++	+++++	0.10819	0.11125	0.10155	0.11509					
	0.11449	0.12189	0.12175				AVRG		0.11346		6.41827
113 Diallate	+++++	+++++	+++++	0.34045	0.28980	0.27729					
	0.27415	0.23062	0.23161				AVRG		0.27398		14.91969

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Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	120 Level 7	160 Level 8	200 Level 9									
114 Phorate	+++++	+++++	+++++	0.72988	0.70243	0.68794						
	0.67294	0.61368	0.59917				AVRG		0.66767		7.67342	
115 sym-Trinitrobenzene	+++++	+++++	+++++	3184	27312	54569						
	81580	127994	152331				LINR	0.19491	0.07496		0.99852	<-
116 Phenacetin	+++++	+++++	0.34965	0.38292	0.35442	0.36235						
	0.35415	0.33680	0.35132				AVRG		0.35594		3.97635	
117 Dimethoate	+++++	+++++	0.29673	0.34133	0.29940	0.29427						
	0.27749	0.26882	0.25864				AVRG		0.29095		9.27416	
118 Pentachloronitrobenzene	+++++	+++++	0.06255	0.07731	0.06587	0.07115						
	0.07141	0.06959	0.06969				AVRG		0.06965		6.64980	
119 4-Aminobiphenyl	+++++	+++++	0.60594	0.66318	0.56679	0.57950						
	0.59258	0.55164	0.55366				AVRG		0.58761		6.59738	
120 Pronamide	+++++	+++++	0.25970	0.30511	0.26487	0.28451						
	0.28219	0.27567	0.27214				AVRG		0.27774		5.38295	

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Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
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Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	120 Level 7	160 Level 8	200 Level 9									
121 Dinoseb	+++++	359	1422	10082	68311	136021						
	199654	315487	365655				LINR	0.07786	0.17649		0.99897	<-
122 Disulfoton	+++++	+++++	0.39074	0.42494	0.38662	0.37943						
	0.37046	0.33467	0.32727				AVRG		0.37345		9.01727	
123 Methyl parathion	+++++	+++++	0.19386	0.24810	0.23415	0.23610						
	0.22322	0.21609	0.20748				AVRG		0.22271		8.32646	
124 4-Nitroquinoline-1-oxide	+++++	+++++	+++++	2511	28273	62092						
	93395	150205	166307				LINR	0.21762	0.08491		0.99786	<-
125 Parathion	+++++	+++++	0.12801	0.14871	0.14748	0.14690						
	0.14725	0.13878	0.13450				AVRG		0.14166		5.67854	
126 Metapyrilene	+++++	+++++	0.36483	0.39163	0.38597	0.33893						
	0.30227	0.27753	0.28792				AVRG		0.33558		14.02907	
127 Isodrin	+++++	+++++	0.10182	0.12234	0.10232	0.11090						
	0.10851	0.10307	0.10733				AVRG		0.10804		6.64613	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
End Cal Date : 23-DEC-2007 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	120 Level 7	160 Level 8	200 Level 9									
128 Aramite	+++++	+++++	+++++	0.04387	0.04242	0.04555						
	0.04876	0.05098	0.04815				AVRG		0.04662		6.93934	<-
129 p-(Dimethylamino)azobenzene	+++++	+++++	+++++	0.43045	0.40685	0.41818						
	0.45042	0.44097	0.40953				AVRG		0.42607		4.11865	
130 Chlorobenzilate	+++++	+++++	0.31085	0.30029	0.27675	0.30187						
	0.32601	0.33853	0.32475				AVRG		0.31129		6.61418	
131 Famphur	+++++	+++++	0.35423	0.42328	0.29212	0.18615						
	0.11764	+++++	+++++				AVRG		0.27469		45.03597	<-
132 3,3'-Dimethyl benzidine	+++++	+++++	+++++	0.23628	0.29828	0.39088						
	0.38309	0.34633	0.32210				AVRG		0.32949		17.50998	
133 2-Acetylaminofluorene	+++++	+++++	+++++	0.52749	0.50804	0.47096						
	0.50592	0.47176	0.48772				AVRG		0.49531		4.52825	
134 7,12-Dimethylbenz(a)anthracen	+++++	+++++	+++++	0.56744	0.53081	0.57531						
	0.59823	0.59918	0.59143				AVRG		0.57707		4.50430	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
End Cal Date : 23-DEC-2007 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	120 Level 7	160 Level 8	200 Level 9									
135 Hexachlorophene	+++++	+++++	+++++	+++++	0.01718	0.03587						
	0.04366	0.05643	0.06731				AVRG		0.04409		43.67247	<-
136 3-Methyl cholanthrene	+++++	+++++	+++++	0.57181	0.55809	0.56148						
	0.56882	0.57392	0.59192				AVRG		0.57101		2.08514	
137 Acrylamide	+++++	+++++	0.59788	0.59584	0.68807	0.65070						
	0.68229	0.69506	+++++				AVRG		0.65164		6.91655	
138 N-Nitrosopyrrolidine	+++++	+++++	0.89780	0.71106	0.70068	0.67509						
	0.69683	0.69473	+++++				AVRG		0.72937		11.42697	
139 Pthalic Acid & Anhydride	+++++	+++++	+++++	0.22186	0.16661	0.20797						
	0.20346	0.20585	+++++				AVRG		0.20115		10.23537	
140 1,4-Dinitrobenzene	+++++	+++++	0.17212	0.23380	0.26908	0.24406						
	0.23704	0.22663	+++++				AVRG		0.23045		13.92535	
141 Kepone	+++++	+++++	+++++	0.04166	0.05012	0.05341						
	0.05176	0.04331	+++++				AVRG		0.04805		10.91409	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
End Cal Date : 23-DEC-2007 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1 / 120 Level 7	1 Level 2 / 160 Level 8	2 Level 3 / 200 Level 9	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
142 4,4Methylenebis2chloroanaline	+++++	+++++	0.21481	0.13917	0.16170	0.15146						
	0.16487	0.16527	+++++				AVRG		0.16621		15.53478	
143 Tris2,3Dibromopropylphosphate	+++++	+++++	+++++	5160	15576	23486						
	29775	36635	+++++				LINR	0.18840	0.08872		0.99960	
144 Maleic Anhydride	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
145 1-Methylnapthalene	+++++	0.69442	0.60622	0.70747	0.60579	0.59673						
	0.60841	0.56427	0.52789				AVRG		0.61390		9.84085	
M 146 Total Methylnapthalene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
147 N-methyldiethanolamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
148 A-Terpineol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
End Cal Date : 23-DEC-2007 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	120 Level 7	160 Level 8	200 Level 9									
149 3/4-Chlorophenol	+++++	+++++	+++++	1.15142	1.14665	1.11206						
	1.10745	1.38002	+++++				AVRG		1.17952		9.64924	
151 2,3-Dichlorophenol	+++++	+++++	+++++	2.65271	2.55791	2.51314						
	2.48951	3.17899	+++++				AVRG		2.67845		10.70353	
152 2,5-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
153 3,4-Dichlorophenol	+++++	+++++	+++++	0.45217	0.46302	0.45703						
	0.46821	0.59210	+++++				AVRG		0.48651		12.19664	
154 Dimethyl Benzyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
155 Benzaldehyde	1923	3146	9921	4522	29008	49402						
	52835	+++++	+++++				QUAD	-0.02801	2.15910	3.59067	0.99284	
156 Caprolactam	+++++	0.08885	0.07327	0.10772	0.09799	0.08734						
	0.08624	0.07366	+++++				AVRG		0.08787		14.05859	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
End Cal Date : 23-DEC-2007 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	120 Level 7	160 Level 8	200 Level 9									
157 Biphenyl	+++++	+++++	0.77811	0.88756	0.71835	0.73812						
	0.70258	0.62547	0.62116				AVRG		0.72448		12.68221	
158 Atrazine	0.15606	0.13655	0.14446	0.18796	0.16826	0.16599						
	0.15979	0.16949	0.16534				AVRG		0.16154		9.25963	
159 Dicyclopentadiene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
169 Benzenethiol	+++++	+++++	+++++	30184	295903	548958						
	730845	1168171	1288565				QUAD	0.28087	0.48187	0.01088	0.99633	
170 Indene	+++++	+++++	+++++	0.86752	0.83816	0.81708						
	0.82207	0.82260	0.80060				AVRG		0.82801		2.75367	
171 Quinoline	+++++	+++++	+++++	0.94800	0.90880	0.84079						
	0.82035	0.82284	0.79862				AVRG		0.85657		6.83594	
172 Methyl Chrysene	+++++	+++++	+++++	0.39152	0.37104	0.39200						
	0.37712	0.38524	0.42312				AVRG		0.39001		4.65946	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
End Cal Date : 23-DEC-2007 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1 / 120 Level 7	1 Level 2 / 160 Level 8	2 Level 3 / 200 Level 9	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
173 Dibenz(a,h)acridine	+++++ / 53686	+++++ / 88602	+++++ / 109938	3729	29343	36734	QUAD	0.08021	7.78380	-2.20163	0.99795	
174 1,4-Dioxane	+++++ / 154339	+++++ / 275045	+++++ / 363921	21148	84829	125988	QUAD	-0.43818	2.04010	-0.15651	0.99458	
175 2,4and/or2,6-Diaminotoluene	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
185 2,3and/or3,4 Diaminotoluene	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
176 4-t-Butyl Phenol	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
177 1,2,3,4-Tetrachlorobenzene	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
178 2-Phenyl Phenol	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
End Cal Date : 23-DEC-2007 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	120 Level 7	160 Level 8	200 Level 9									
179 Ronnel	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
180 Hexabromobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
181 Tolylene 2,6-Diisocyanate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
182 Tolylene 2,4-Diisocyanate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
183 Tolylene 2,5-diisocyanate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
M 184 Tolylene Diisocyanate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
186 Benzothiazole	+++++	+++++	+++++	0.78374	0.52652	0.71647						
	0.70150	0.69691	0.67425				AVRG		0.68323		12.48228	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
End Cal Date : 23-DEC-2007 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1 / 120 Level 7	1 Level 2 / 160 Level 8	2 Level 3 / 200 Level 9	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
187 2-3H Benzothiazolone	+++++	+++++	+++++	0.28458	0.20568	0.28654						
	0.31925	0.28319	0.30399				AVRG		0.28054		13.99926	<-
188 2-3H Benzothiazolethione	+++++	+++++	+++++	0.03337	0.04432	0.07902						
	0.13736	0.12573	0.15435				AVRG		0.09569		53.03946	<-
189 2-tet-Butyl-4-methylphenol	+++++	+++++	+++++	0.71925	0.50885	0.68058						
	0.66323	0.62335	0.61753				AVRG		0.63546		11.41886	<-
190 Methylbenzothiazole	+++++	+++++	+++++	0.64515	0.42341	0.59369						
	0.58720	0.58904	0.57561				AVRG		0.56902		13.24073	<-
191 2,3,4-Trichlorophenol	+++++	+++++	+++++	0.18207	0.18143	0.17176						
	0.18123	0.22771	+++++				AVRG		0.18884		11.72660	
192 2,3,5,6-Tetrachlorophenol	+++++	+++++	9812	28071	150778	215247						
	470359	565804	+++++				QUAD	0.00893	3.72908	-0.85426	0.99473	
193 3,4,5-Trichlorophenol	+++++	+++++	9382	28268	170259	245208						
	419080	553812	+++++				QUAD	-0.05058	3.75809	-0.82205	0.99829	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
End Cal Date : 23-DEC-2007 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	120 Level 7	160 Level 8	200 Level 9									
194 Diphenyl Ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
195 2,5/2,4-Dichlorophenol	+++++	+++++	+++++	1.32635	1.27896	1.25657						
	1.24475	1.58950	+++++				AVRG		1.33923		10.70353	
196 2,3,4,5-Tetrachlorophenol	+++++	+++++	1.04964	0.69244	0.86612	0.86062						
	0.64182	0.91575	+++++				AVRG		0.83773		17.85070	
197 Dimethylformamide	+++++	+++++	+++++	1.19072	1.59931	1.15596						
	1.34949	1.19953	1.08495				AVRG		1.26333		14.72370	
198 4,4-Isopropylidene	+++++	+++++	+++++	0.35381	0.40548	0.31498						
	0.40799	0.38083	0.37750				AVRG		0.37343		9.34917	
$ 3 2-Fluorophenol	+++++	+++++	1.24080	1.68620	1.69046	1.33391						
	1.42150	1.68676	1.42942				AVRG		1.49844		12.53628	
$ 4 Phenol-d5	+++++	+++++	+++++	2.34453	2.00195	1.98484						
	1.61189	2.25574	+++++				AVRG		2.03979		14.01813	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
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Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
$ 19 Nitrobenzene-d5	+++++	+++++	0.42892	0.52042	0.42705	0.42515					
	0.41957	0.39293	0.39952				AVRG		0.43051		9.77182
$ 37 2-Fluorobiphenyl	+++++	+++++	1.17899	1.37657	1.25265	1.26035					
	1.27389	1.28504	1.31793				AVRG		1.27792		4.75282
$ 57 2,4,6-Tribromophenol	+++++	+++++	0.09308	0.12862	0.11070	0.11542					
	0.11360	0.10609	0.10689				AVRG		0.11063		9.75114
$ 70 Terphenyl-d14	+++++	+++++	0.80075	0.95377	0.83419	0.86485					
	0.88698	0.88437	0.85477				AVRG		0.86852		5.52863

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-NOV-2007 15:45
End Cal Date : 23-DEC-2007 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Cal Date : 26-Dec-2007 06:22 rrr

Average %RSD Results.
Calculated Average %RSD = 9.57890
Maximun Average %RSD = 15.00000
* Passed Average %RSD Test.

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

GCAL, Inc.

Data file : /var/chem/MSSV4.i/2071223.s.b/c2050.d
Lab Smp Id: 1100 Client Smp ID: DFTPP
Inj Date : 23-DEC-2007 13:18
Operator : rrr Inst ID: MSSV4.i
Smp Info : 1100*35-6-6
Misc Info : DFTPP*MSSV~4727~*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/dftpp_04.m
Meth Date : 06-Dec-2007 10:06 jar3 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.013	4.274	-0.261	198	76522			100.00- 100.00	100.00
4.013	4.274	-0.261	51	35077			30.00- 60.00	45.84
4.013	4.274	-0.261	68	677			0.00- 2.00	1.71
4.013	4.274	-0.261	69	39522			0.00- 0.00	51.65
4.013	4.274	-0.261	70	200			0.00- 2.00	0.51
4.013	4.274	-0.261	127	40853			40.00- 60.00	53.39
4.013	4.274	-0.261	197	351			0.00- 1.00	0.46
4.013	4.274	-0.261	199	5342			5.00- 9.00	6.98
4.013	4.274	-0.261	275	15061			10.00- 30.00	19.68
4.013	4.274	-0.261	365	1609			1.00- 0.00	2.10
4.013	4.274	-0.261	441	4385			0.01- 99.99	67.94
4.013	4.274	-0.261	442	34827			40.00- 100.00	45.51

169136

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp (continued)								
4.013	4.274	-0.261	443	6454			17.00- 23.00	18.53

Data File: /var/chem/MSSV4.i/2071223.s.b/c2050.d

Page 1

Date : 23-DEC-2007 13:18

Client ID: DFTPP

Instrument: MSSV4.i

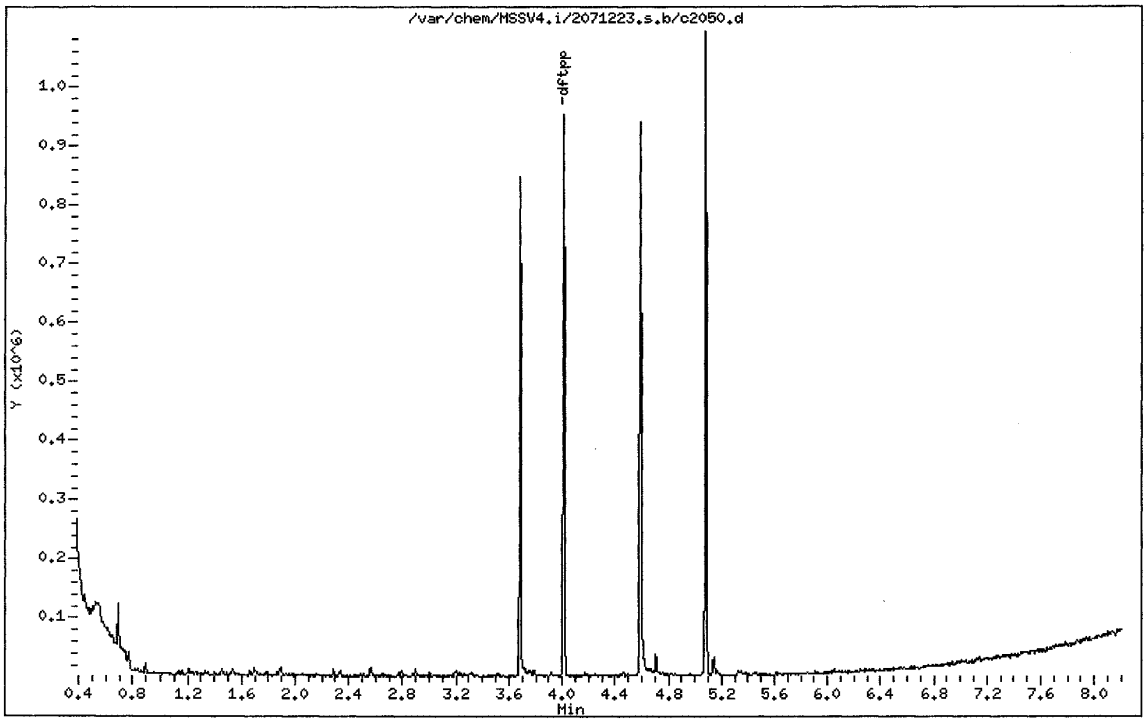
Sample Info: 1100x35-6-6

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 2.00



169138

Data File: /var/chem/MSSV4.i/2071223.s.b/c2050.d

Date : 23-DEC-2007 13:18

Client ID: DFTPP

Instrument: MSSV4.i

Sample Info: 1100*35-6-6

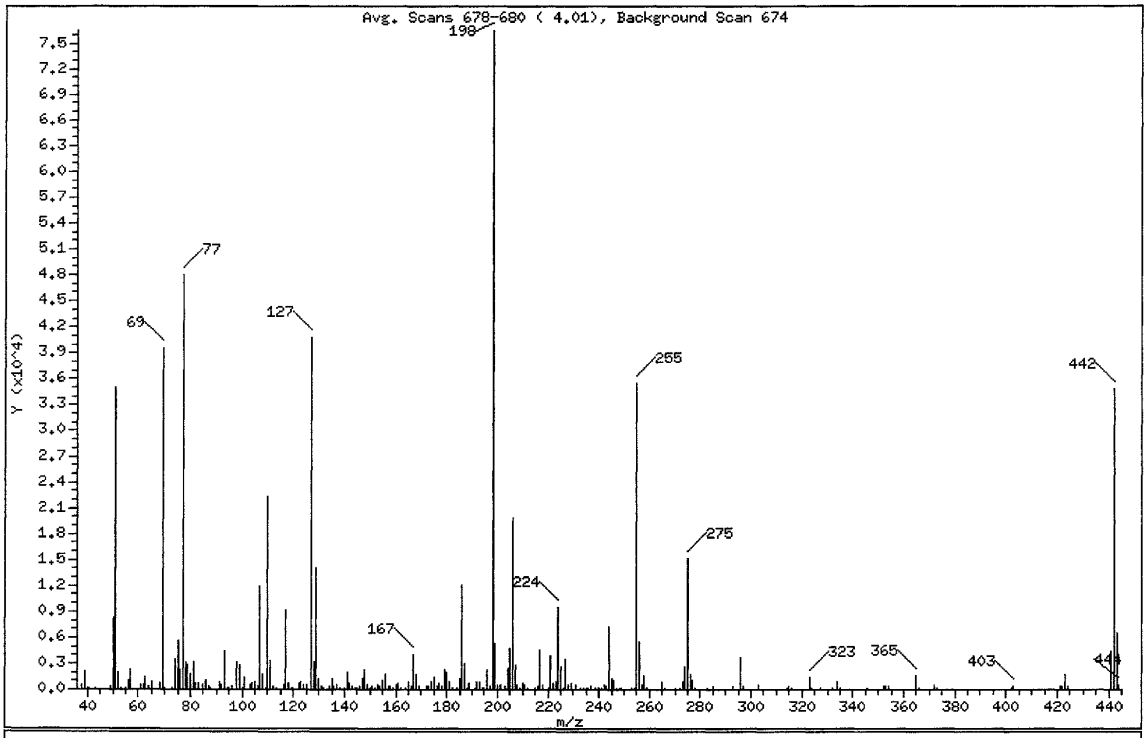
Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	45.84
68	Less than 2.00% of mass 69	0.88 (1.71)
69	Mass 69 relative abundance	51.65
70	Less than 2.00% of mass 69	0.26 (0.51)
127	40.00 - 60.00% of mass 198	53.39
197	Less than 1.00% of mass 198	0.46
199	5.00 - 9.00% of mass 198	6.98
275	10.00 - 30.00% of mass 198	19.68
365	Greater than 1.00% of mass 198	2.10
441	Present, but less than mass 443	5.73
442	40.00 - 100.00% of mass 198	45.51
443	17.00 - 23.00% of mass 442	8.43 (18.53)

Data File: /var/chem/MSSV4.i/2071223.s,b/c2050.d

Date : 23-DEC-2007 13:18

Client ID: DFTPP

Instrument: MSSV4.i

Sample Info: 1100x35-6-6

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 2.00

Data File: c2050.d
Spectrum: Avg. Scans 678-680 (4.01), Background Scan 674
Location of Maximum: 198.00
Number of points: 249

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	57	113.00	141	185.00	1210	256.00	5503
38.00	495	116.00	567	186.00	12072	257.00	471
39.00	2045	117.00	9158	187.00	3071	258.00	1557
40.00	169	118.00	625	188.00	228	259.00	238
41.00	231	119.00	103	189.00	650	265.00	797
42.00	50	120.00	258	191.00	137	266.00	216
43.00	251	122.00	733	192.00	909	270.00	97
49.00	265	123.00	928	193.00	889	272.00	118
50.00	8334	124.00	505	194.00	173	273.00	950
51.00	35072	125.00	569	195.00	169	274.00	2695
52.00	1851	127.00	40848	196.00	2371	275.00	15061
53.00	123	128.00	3099	197.00	351	276.00	1795
55.00	212	129.00	14115	198.00	76520	277.00	1091
56.00	1136	130.00	1271	199.00	5342	278.00	176
57.00	2313	131.00	290	200.00	495	283.00	112
60.00	62	132.00	156	201.00	536	285.00	294
61.00	447	134.00	345	203.00	430	289.00	52
62.00	453	135.00	1217	204.00	2382	291.00	68
63.00	1352	136.00	354	205.00	4765	293.00	287
64.00	280	137.00	602	206.00	19872	295.00	50
65.00	894	138.00	164	207.00	2765	296.00	3735
67.00	53	140.00	93	208.00	599	297.00	427
68.00	677	141.00	1895	209.00	203	303.00	522
69.00	39520	142.00	644	210.00	683	304.00	50
70.00	200	143.00	335	211.00	565	308.00	60
73.00	250	144.00	119	212.00	156	314.00	121
74.00	3466	145.00	128	215.00	122	315.00	394
75.00	5603	146.00	287	216.00	373	316.00	151
76.00	2243	147.00	1174	217.00	4645	323.00	1342
77.00	47936	148.00	2331	218.00	570	324.00	184
78.00	3117	149.00	516	220.00	89	327.00	253
79.00	2820	150.00	131	221.00	3888	332.00	121
80.00	1843	151.00	305	222.00	648	333.00	68
81.00	3104	152.00	105	223.00	859	334.00	873
82.00	727	153.00	606	224.00	9470	335.00	97

169140

Data File: /var/chem/MSSV4.i/2071223.s.b/c2050.d

Date : 23-DEC-2007 13:18

Client ID: DFTPP

Instrument: MSSV4.i

Sample Info: 1100*35-6-6

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 2.00

Data File: c2050.d
Spectrum: Avg. Scans 678-680 (4.01), Background Scan 674
Location of Maximum: 198.00
Number of points: 249

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	766	154.00	384	225.00	2582	346.00	223
84.00	66	155.00	1131	226.00	154	352.00	363
85.00	520	156.00	1772	227.00	3512	353.00	297
86.00	1014	157.00	413	228.00	464	354.00	392
87.00	320	158.00	315	229.00	617	355.00	59
88.00	124	159.00	237	230.00	76	359.00	78
91.00	875	160.00	590	231.00	564	365.00	1609
92.00	603	161.00	727	233.00	103	366.00	111
93.00	4387	162.00	254	234.00	142	371.00	69
94.00	249	164.00	88	235.00	227	372.00	559
95.00	173	165.00	805	236.00	172	373.00	187
96.00	266	166.00	387	237.00	378	383.00	71
97.00	86	167.00	4003	239.00	93	384.00	70
98.00	3100	168.00	1741	240.00	126	390.00	68
99.00	2852	169.00	317	241.00	150	402.00	186
100.00	234	171.00	85	242.00	508	403.00	408
101.00	1421	172.00	429	243.00	389	404.00	63
102.00	56	173.00	293	244.00	7195	421.00	267
103.00	494	174.00	808	245.00	1228	422.00	332
104.00	776	175.00	1474	246.00	1048	423.00	1741
105.00	819	176.00	334	247.00	170	424.00	373
106.00	293	177.00	625	248.00	213	441.00	4385
107.00	11992	178.00	317	249.00	203	442.00	34824
108.00	1835	179.00	2310	251.00	87	443.00	6454
109.00	204	180.00	1967	252.00	66	444.00	559
110.00	22256	181.00	803	253.00	143		
111.00	3421	182.00	91	254.00	225		
112.00	329	184.00	133	255.00	35608		

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2059.d
Lab Smp Id: 1201 Client Smp ID: STD0.2
Inj Date : 23-DEC-2007 15:41
Operator : rrr Inst ID: MSSV4.i
Smp Info : 1201*35-11-3
Misc Info : STD0.2*MSSV~4727~*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:33 rrr Quant Type: ISTD
Cal Date : 23-DEC-2007 15:41 Cal File: c2059.d
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
$ 3	2-Fluorophenol	112	0.831	0.831	(0.660)	459	0.20000	0.121(a)
$ 4	Phenol-d5	99	1.200	1.200	(0.953)	975	0.20000	0.189(a)
5	Aniline	93	1.130	1.130	(0.898)	1288	0.20000	0.203(a)
6	Phenol +	94	1.205	1.205	(0.958)	1216	0.20000	0.231(a)
7	bis(-2-Chloroethyl)Ether	63	1.157	1.157	(0.919)	572	0.20000	0.205(a)
9	1,3-Dichlorobenzene	146	1.232	1.232	(0.979)	846	0.20000	0.214(a)
* 10	1,4-Dichlorobenzene-d4	152	1.259	1.259	(1.000)	101262	40.0000	
11	1,4-Dichlorobenzene +	146	1.269	1.269	(1.008)	1217	0.20000	0.304(a)
12	Benzyl alcohol	108	1.259	1.259	(1.000)	604	0.20000	0.244(a)
13	1,2-Dichlorobenzene	146	1.334	1.334	(1.059)	828	0.20000	0.215(a)
15	2-Methylphenol	108	1.885	1.885	(1.497)	46047	0.20000	13.0
14	Bis(2-chloroisopropyl)ether	45	1.403	1.403	(1.115)	953	0.20000	0.195(a)
17	3- & 4-Methylphenol	108	1.885	1.885	(1.497)	46047	0.20000	12.3

169142

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	16 N-Nitroso-di-n-propylamine++	70	1.467	1.467	(1.166)	881	0.20000	0.299(a)
	18 Hexachloroethane	117	1.489	1.489	(1.183)	372	0.20000	0.227(aM1)
$	19 Nitrobenzene-d5	82	1.885	1.885	(1.000)	17428	0.20000	3.90(a)
	20 Nitrobenzene	77	1.537	1.537	(0.816)	1559	0.20000	0.239(aM1)
	21 Isophorone	82	1.885	1.885	(1.000)	17431	0.20000	2.09(a)
	22 2-Nitrophenol +	139	1.703	1.703	(0.903)	287	0.20000	0.139(aM1)
	23 2,4-Dimethyphenol	107	1.778	1.778	(0.943)	880	0.20000	0.206(a)
	24 bis(-2-Chloroethoxy)methane	93	1.794	1.794	(0.952)	1117	0.20000	0.227(a)
	26 2,4-Dichlorophenol +	162	1.879	1.879	(0.997)	431	0.20000	0.147(a)
	27 1,2,4-Trichlorobenzene	180	1.863	1.863	(0.989)	529	0.20000	0.163(a)
*	28 Naphthalene-d8	136	1.885	1.885	(1.000)	415224	40.0000	
	29 Naphthalene	128	1.895	1.895	(1.006)	2526	0.20000	0.234(a)
	30 4-Chloroaniline	127	1.954	1.954	(1.037)	833	0.20000	0.201(a)
	31 Hexachlorobutadiene +	225	1.981	1.981	(1.051)	236	0.20000	0.137(a)
	32 4-Chloro-3-Methylphenol +	107	2.323	2.323	(1.233)	591	0.20000	0.176(a)
	33 2-Methylnaphthalene	142	2.286	2.286	(1.213)	1411	0.20000	0.202(a)
	145 1-Methylnapthalene	142	2.339	2.339	(1.241)	1660	0.20000	0.260(a)
	35 2,4,6-Trichlorophenol +	196	2.489	2.489	(0.864)	401	0.20000	0.193(a)
	36 2,4,5-Trichlorphenol	196	2.564	2.564	(0.890)	276	0.20000	0.124(a)
$	37 2-Fluorobiphenyl	172	2.516	2.516	(0.874)	1473	0.20000	0.205(a)
	38 2-Chloronaphthalene	162	2.558	2.558	(0.889)	1516	0.20000	0.229(aM1)
	39 2-Nitroaniline	138	2.655	2.655	(0.922)	233	0.20000	0.103(a)
	40 Dimethylphthalate	163	2.772	2.772	(0.963)	1225	0.20000	0.193(aM1)
	41 2,6-Dinitrotoluene	165	2.879	2.879	(1.000)	28239	0.20000	18.5
	42 Acenaphthylene	152	2.794	2.794	(0.970)	1976	0.20000	0.193(a)
	43 3-Nitroaniline	138	2.901	2.901	(1.007)	304	0.20000	0.175(a)
*	44 Acenaphthene-d10	164	2.879	2.879	(1.000)	225182	40.0000	
	45 Acenaphthene +	153	2.901	2.901	(1.007)	1193	0.20000	0.191(a)
	49 4-Nitrophenol ++	109	2.879	2.879	(1.000)	531	0.20000	0.505(a)
	47 Dibenzofuran	168	3.002	3.002	(1.043)	1892	0.20000	0.212(a)
	48 2,4-Dinitrotoluene	165	2.879	2.879	(1.000)	28239	0.20000	15.1
	50 Diethylphthalate	149	3.195	3.195	(1.110)	1550	0.20000	0.269(aM1)
	52 4-Chlorophenyl-phenylether	204	3.227	3.227	(1.121)	438	0.20000	0.148(a)
	51 Fluorene	166	2.885	2.885	(1.002)	1581	0.20000	0.237(a)
	53 4-Nitroaniline	138	2.901	2.901	(1.007)	304	0.20000	0.175(a)
	55 N-nitrosodiphenylamine (1)+	169	3.307	3.307	(0.882)	868	0.20000	0.179(a)
	56 Azobenzene	77	3.318	3.318	(0.884)	2200	0.20000	0.200(a)
	58 4-Bromophenyl-phenylether	248	3.510	3.510	(0.936)	251	0.20000	0.174(a)
	59 Hexachlorobenzene	284	3.527	3.527	(0.940)	247	0.20000	0.153(a)
*	61 Phenanthrene-d10	188	3.751	3.751	(1.000)	387039	40.0000	
	62 Phenanthrene	178	3.762	3.762	(1.003)	2344	0.20000	0.235(a)
	63 Anthracene	178	3.794	3.794	(1.011)	2433	0.20000	0.246(a)
	64 Carbazole	167	3.922	3.922	(1.046)	1598	0.20000	0.181(a)
	65 Di-n-butylphthalate	149	4.179	4.179	(1.114)	1749	0.20000	0.177(a)
	67 Fluoranthene +	202	4.468	4.468	(1.191)	1637	0.20000	0.182(a)
	68 Benzidine	184	4.591	4.591	(0.861)	408	0.20000	0.186(aM1)
	69 Pyrene	202	4.591	4.591	(0.861)	1535	0.20000	0.178(a)

169143

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
$	70 Terphenyl-d14	244	4.730	4.730	(0.887)	1107	0.20000	0.233(a)
	71 Butylbenzylphthalate	149	5.056	5.056	(0.948)	620	0.20000	0.168(aM1)
	73 3,3'-Dichlorobenzidine	252	5.350	5.350	(1.003)	244	0.20000	0.115(a)
	72 Benzo(a)anthracene	228	5.329	5.329	(0.999)	1929	0.20000	0.285(a)
*	74 Chrysene-d12	240	5.334	5.334	(1.000)	218783	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.457	5.457	(1.023)	1137	0.20000	0.244(a)
	75 Chrysene	228	5.350	5.350	(1.003)	1234	0.20000	0.187(a)
	77 Di-n-octylphthalate +	149	5.912	5.912	(1.108)	834	0.20000	0.115(aM1)
	78 Benzo(b)fluoranthene	252	6.040	6.040	(0.960)	971	0.20000	0.183(aH)
	79 Benzo(k)fluoranthene	252	6.056	6.056	(0.963)	1068	0.20000	0.189(a)
	80 Benzo(a)pyrene +	252	6.254	6.254	(0.994)	925	0.20000	0.198(a)
*	81 Perylene-d12	264	6.292	6.292	(1.000)	152892	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	6.982	6.982	(1.309)	397	0.20000	1.20(a)
	83 Dibenzo(a,h)anthracene	278	7.003	7.003	(1.113)	635	0.20000	0.398(aM1)
	84 Benzo(g,h,i)perylene	276	7.137	7.137	(1.134)	615	0.20000	0.385(aM1)
M	66 Total Methylphenol	108				92094	0.20000	25.3
	91 Acetophenone	105	1.457	1.457	(1.157)	569	0.20000	0.239(aM1)
	155 Benzaldehyde	77	1.885	1.885	(1.497)	1923	0.20000	0.571(a)
	156 Caprolactam	113	2.157	2.157	(1.145)	110	0.20000	0.121(aM1)
	157 Biphenyl	154	2.879	2.879	(1.528)	891	0.20000	0.118(a)
	158 Atrazine	200	3.655	3.655	(0.974)	302	0.20000	0.192(aM1)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

169144

Data File: /chem/MSSV4.i/2071223.s.b/c2059.d

Date : 23-DEC-2007 15:41

Client ID: STD0.2

Instrument: MSSV4.i

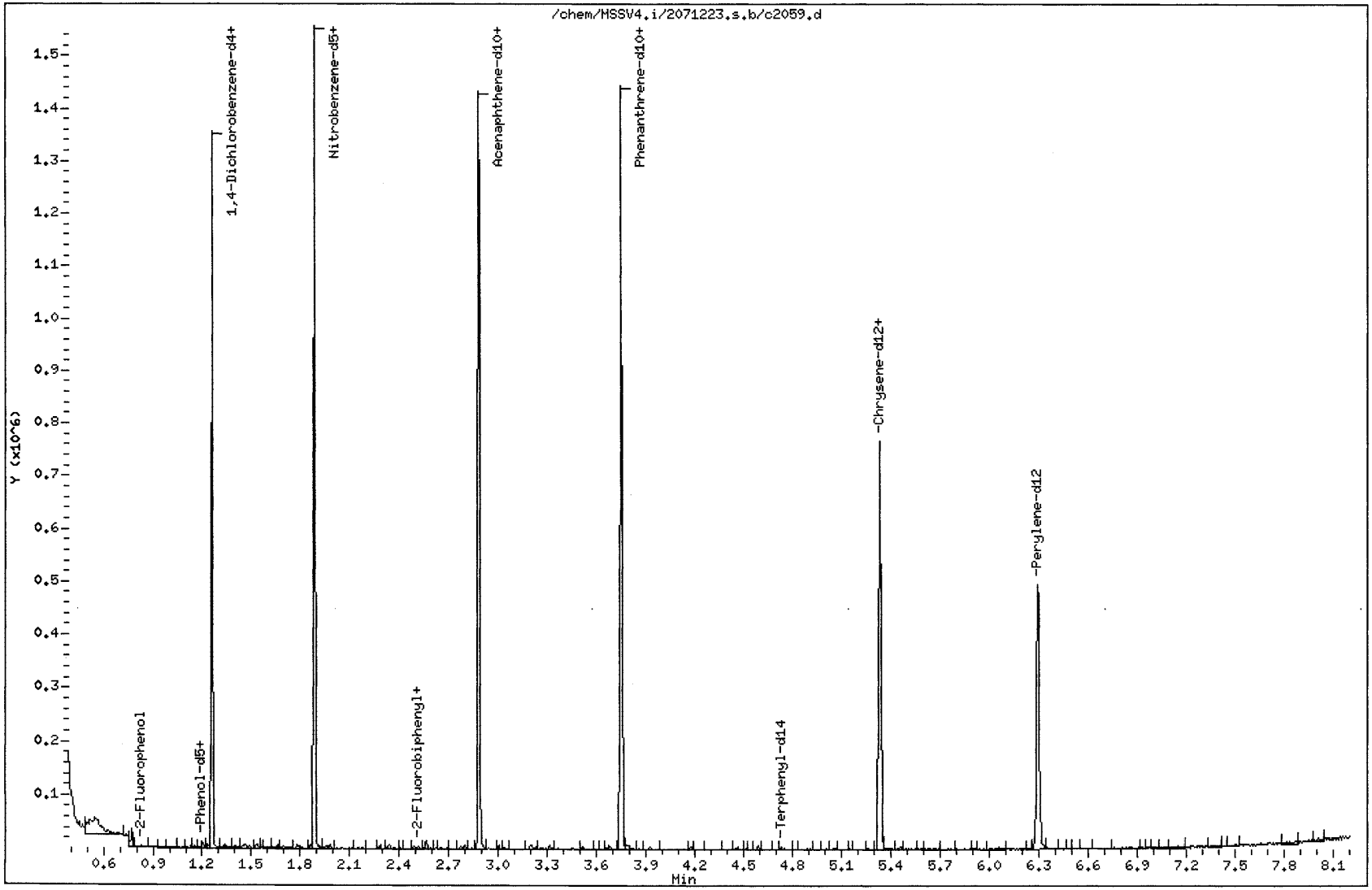
Sample Info: 1201*35-11-3

Volume Injected (uL): 1.0

Operator: rrr

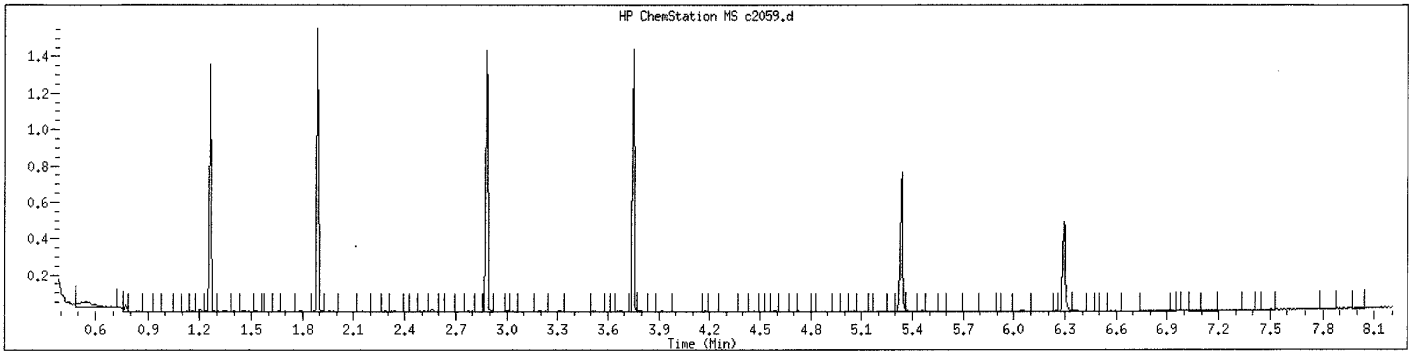
Column phase: RTX-5MS-30M

Column diameter: 0.25



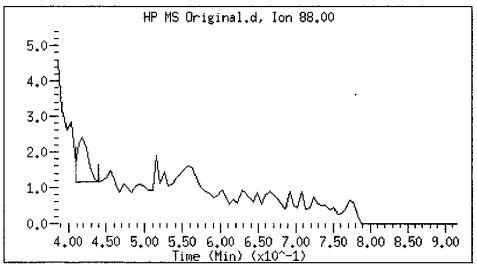
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1201 SampleType : CALIB_1
Injection Date: 12/23/2007 15:41 Instrument : MSSV4.i
Operator : rrr
Sample Info : 1201*35-11-3
Misc Info : STD0.2*MSSV~4727~*
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



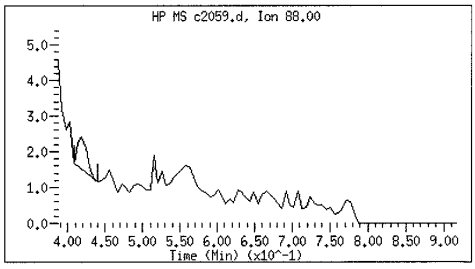
Original Final

174 1,4-Dioxane CAS#: 123-91-1 Reason: M2

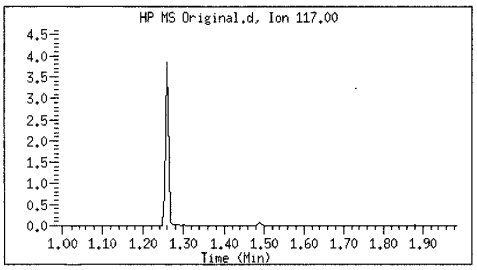


Electronic Signature Applied

User: rrr
Date: 12/24/2007 05:35



18 Hexachloroethane CAS#: 67-72-1 Reason: M1



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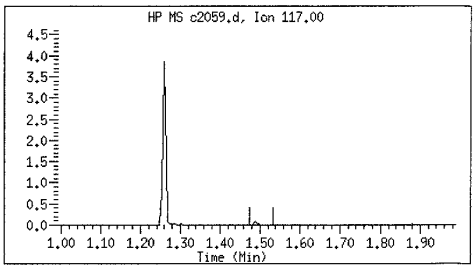
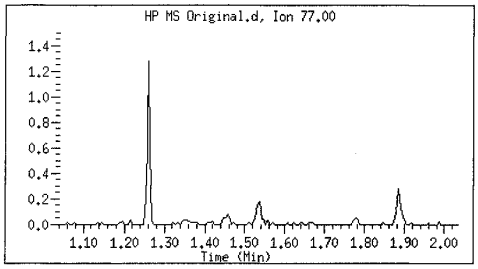
User: rrr
Date: 12/24/2007 05:36



Original Final

20 Nitrobenzene CAS#: 98-95-3 Reason: M1



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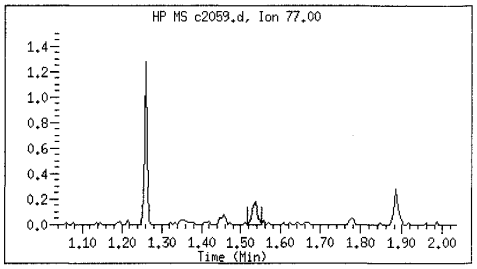

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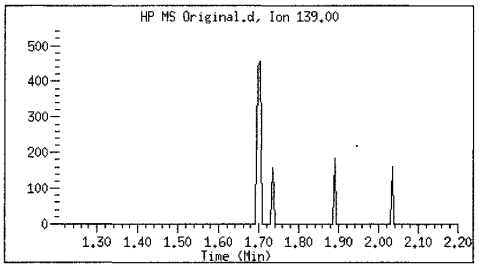
22 2-Nitrophenol + CAS#: 88-75-5 Reason: M1



Electronic Signature Applied

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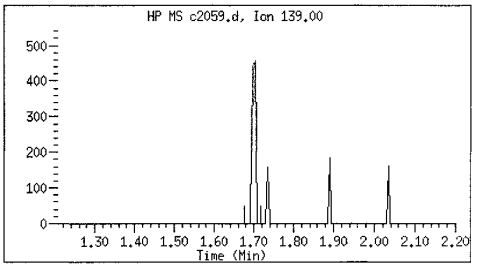
Date: 12/24/2007 05:36



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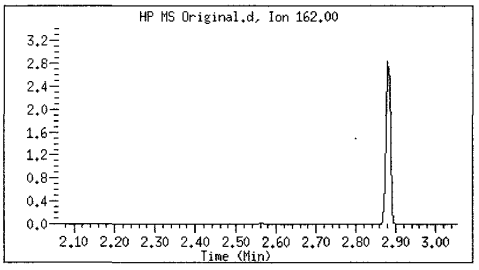
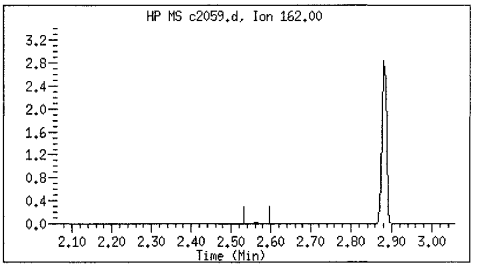
38 2-Chloronaphthalene CAS#: 91-58-7 Reason: M1



Electronic Signature Applied

User: rrr
Date: 12/24/2007 05:37



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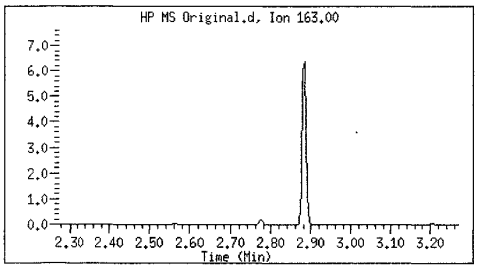
40 Dimethylphthalate CAS#: 131-11-3 Reason: M1



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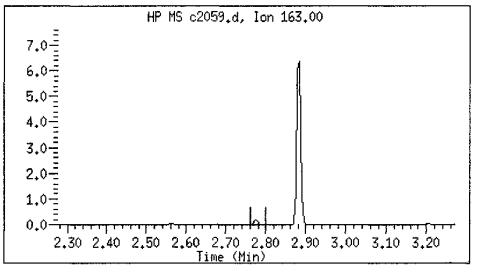
Date: 12/24/2007 05:37



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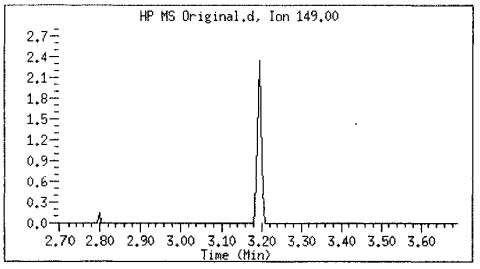
50 Diethylphthalate CAS#: 84-66-2 Reason: M1



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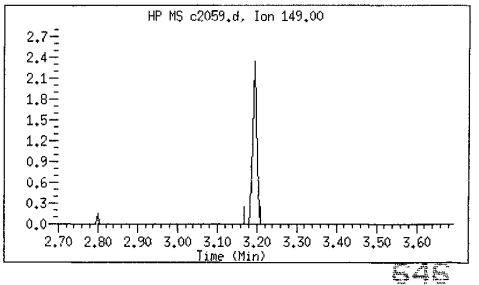
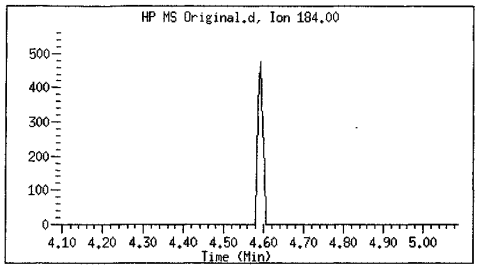
User: rrr
Date: 12/24/2007 05:37



Original Final

68 Benzidine CAS#: 92-87-5 Reason: M1



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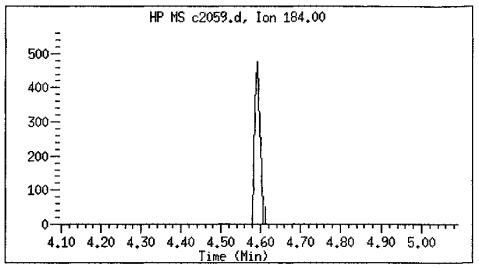
User: rrr
Date: 12/24/2007 05:36



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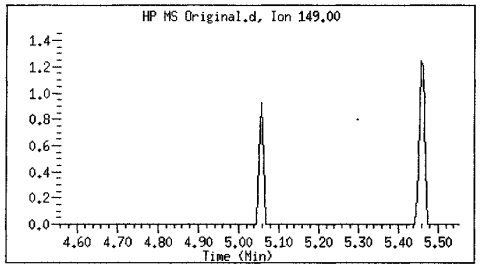
71 Butylbenzylphthalate CAS#: 85-68-7 Reason: M1



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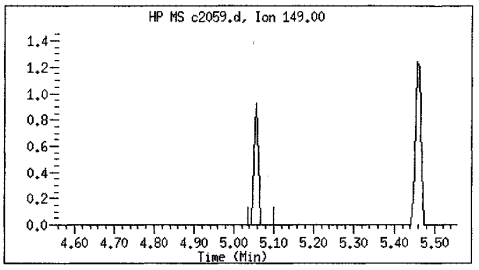
User: rrr
Date: 12/24/2007 05:36



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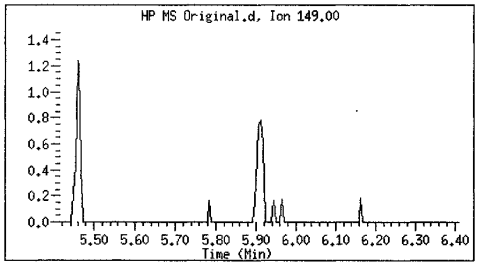
77 Di-n-octylphthalate + CAS#: 117-84-0 Reason: M1



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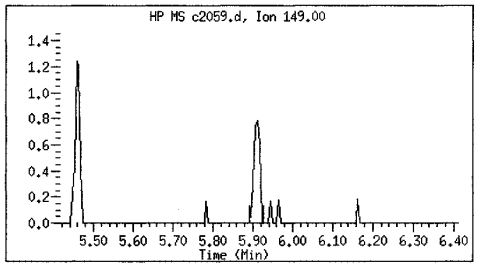
User: rrr
Date: 12/24/2007 09:32



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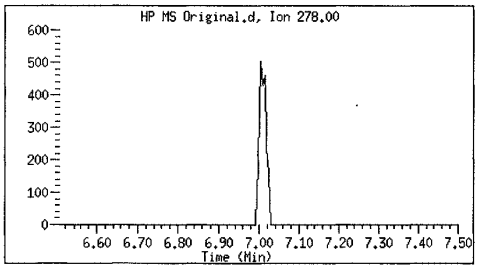
83 Dibenzo(a,h)anthracene CAS#: 53-70-3 Reason: M1



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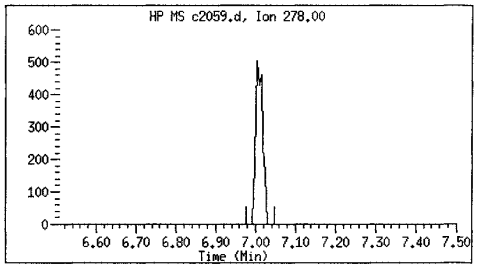
User: rrr
Date: 12/24/2007 05:36



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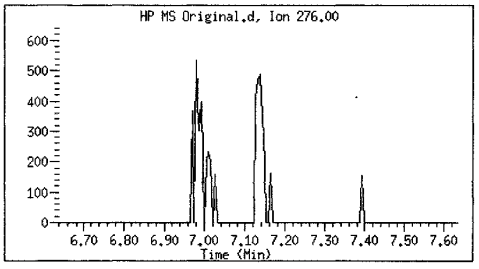
84 Benzo(g,h,i)perylene CAS#: 191-24-2 Reason: M1



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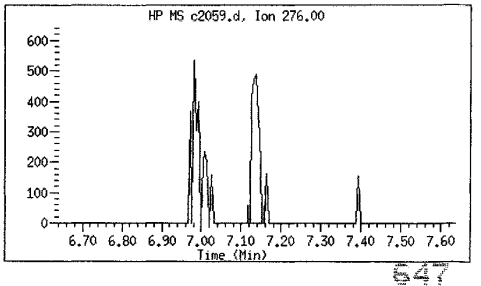
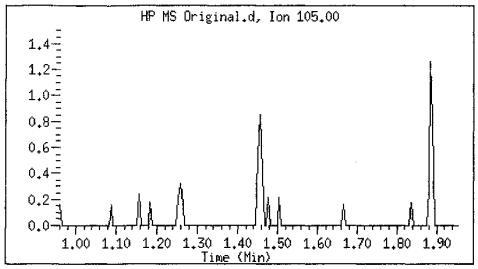
User: rrr
Date: 12/24/2007 05:36



Original Final

91 Acetophenone CAS#: 98-86-2 Reason: M1



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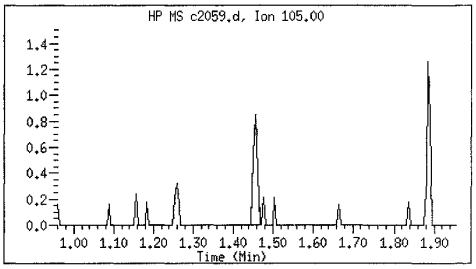
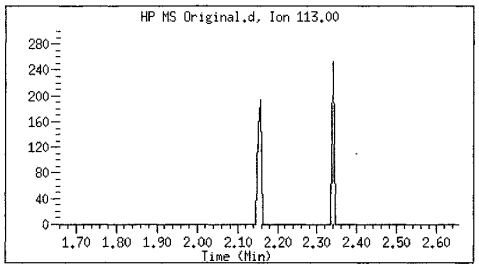
User: rrr
Date: 12/24/2007 05:36

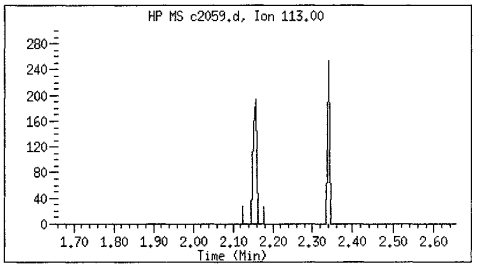


156 Caprolactam CAS#: 105-60-2 Reason: M1

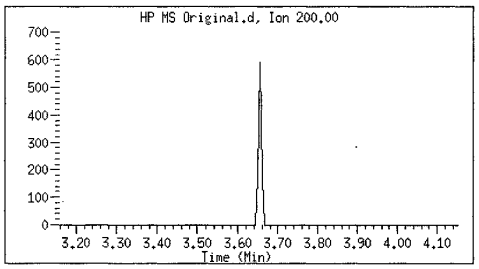


Electronic Signature Applied

User: rrr
Date: 12/24/2007 05:35



158 Atrazine CAS#: 1912-24-9 Reason: M1



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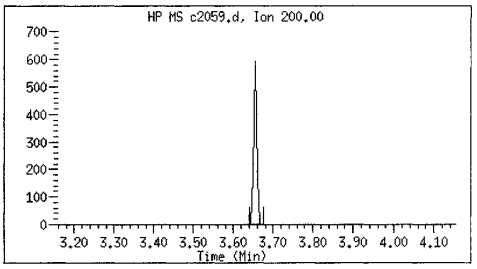
User: rrr
Date: 12/24/2007 05:35



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2058.d
Lab Smp Id: 1202 Client Smp ID: STD000
Inj Date : 23-DEC-2007 15:26
Operator : rrr Inst ID: MSSV4.i
Smp Info : 1202*35-11-2
Misc Info : STD000*MSSV~4727~*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:33 rrr Quant Type: ISTD
Cal Date : 04-NOV-2007 10:55 Cal File: c0098.d
Als bottle: 9 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
$ 3	2-Fluorophenol	112	0.831	0.831	(0.660)	3666	1.00000	0.981(a)
$ 4	Phenol-d5	99	1.200	1.200	(0.953)	5457	1.00000	1.07(a)
5	Aniline	93	1.130	1.130	(0.898)	6674	1.00000	1.07(a)
6	Phenol +	94	1.205	1.205	(0.958)	5853	1.00000	1.13(a)
7	bis(-2-Chloroethyl)Ether	63	1.157	1.157	(0.919)	3234	1.00000	1.18(a)
8	2-Chlorophenol	128	1.200	1.200	(0.953)	3975	1.00000	1.12(a)
9	1,3-Dichlorobenzene	146	1.232	1.232	(0.979)	4425	1.00000	1.13(a)
* 10	1,4-Dichlorobenzene-d4	152	1.259	1.259	(1.000)	99808	40.0000	
11	1,4-Dichlorobenzene +	146	1.269	1.269	(1.008)	4758	1.00000	1.20(a)
12	Benzyl alcohol	108	1.350	1.350	(1.072)	2844	1.00000	1.17(a)
13	1,2-Dichlorobenzene	146	1.334	1.334	(1.059)	4582	1.00000	1.21(a)
15	2-Methylphenol	108	1.446	1.446	(1.149)	4192	1.00000	1.20(a)
14	Bis(2-chloroisopropyl)ether	45	1.403	1.403	(1.115)	5380	1.00000	1.12(a)

169150

			QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ppm)
	17	3- & 4-Methylphenol	108	1.531	1.531	(1.217)	4260	1.00000	1.15(a)
	16	N-Nitroso-di-n-propylamine++	70	1.462	1.462	(1.161)	3889	1.00000	1.34(a)
	18	Hexachloroethane	117	1.489	1.489	(1.183)	1795	1.00000	1.11(aM1)
$	19	Nitrobenzene-d5	82	1.885	1.885	(1.000)	16857	1.00000	3.79(a)
	20	Nitrobenzene	77	1.531	1.531	(0.813)	7799	1.00000	1.20(a)
	21	Isophorone	82	1.660	1.660	(0.881)	10409	1.00000	1.26(a)
	22	2-Nitrophenol +	139	1.697	1.697	(0.901)	1934	1.00000	0.943(a)
	23	2,4-Dimethyphenol	107	1.778	1.778	(0.943)	4672	1.00000	1.10(a)
	24	bis(-2-Chloroethoxy)methane	93	1.794	1.794	(0.952)	5882	1.00000	1.20(a)
	25	Benzoic Acid	122	1.890	1.890	(1.003)	748	1.00000	0.443(a)
	26	2,4-Dichlorophenol +	162	1.879	1.879	(0.997)	2949	1.00000	1.01(a)
	27	1,2,4-Trichlorobenzene	180	1.863	1.863	(0.989)	3368	1.00000	1.04(a)
*	28	Naphthalene-d8	136	1.885	1.885	(1.000)	412836	40.0000	
	29	Naphthalene	128	1.895	1.895	(1.006)	12052	1.00000	1.12(a)
	30	4-Chloroaniline	127	1.954	1.954	(1.037)	5063	1.00000	1.23(a)
	31	Hexachlorobutadiene +	225	1.981	1.981	(1.051)	1787	1.00000	1.04(a)
	32	4-Chloro-3-Methylphenol +	107	2.318	2.318	(1.230)	3955	1.00000	1.18(a)
	33	2-Methylnaphthalene	142	2.286	2.286	(1.213)	7809	1.00000	1.13(a)
	145	1-Methylnapthalene	142	2.339	2.339	(1.241)	7167	1.00000	1.13(a)
	34	Hexachlorocyclopentadiene ++	237	2.387	2.387	(0.829)	596	1.00000	0.289(aM1)
	35	2,4,6-Trichlorophenol +	196	2.489	2.489	(0.864)	2030	1.00000	0.964(a)
	36	2,4,5-Trichlorphenol	196	2.564	2.564	(0.890)	2199	1.00000	0.978(a)
$	37	2-Fluorobiphenyl	172	2.516	2.516	(0.874)	8072	1.00000	1.11(a)
	38	2-Chloronaphthalene	162	2.558	2.558	(0.889)	7285	1.00000	1.09(aM1)
	39	2-Nitroaniline	138	2.649	2.649	(0.920)	2279	1.00000	0.995(a)
	40	Dimethylphthalate	163	2.772	2.772	(0.963)	7551	1.00000	1.17(aM1)
	41	2,6-Dinitrotoluene	165	2.799	2.799	(0.972)	2029	1.00000	1.32(a)
	42	Acenaphthylene	152	2.794	2.794	(0.970)	11107	1.00000	1.07(a)
	43	3-Nitroaniline	138	2.901	2.901	(1.007)	1855	1.00000	1.05(a)
*	44	Acenaphthene-d10	164	2.879	2.879	(1.000)	228080	40.0000	
	45	Acenaphthene +	153	2.901	2.901	(1.007)	7143	1.00000	1.13(a)
	49	4-Nitrophenol ++	109	3.195	3.195	(1.110)	627	1.00000	0.589(aH)
	47	Dibenzofuran	168	3.002	3.002	(1.043)	10070	1.00000	1.12(a)
	48	2,4-Dinitrotoluene	165	2.879	2.879	(1.000)	29500	1.00000	15.6
	50	Diethylphthalate	149	3.195	3.195	(1.110)	6432	1.00000	1.10(a)
	52	4-Chlorophenyl-phenylether	204	3.227	3.227	(1.121)	3831	1.00000	1.28(a)
	51	Fluorene	166	3.206	3.206	(1.113)	7940	1.00000	1.17(a)
	53	4-Nitroaniline	138	2.901	2.901	(1.007)	1855	1.00000	1.05(a)
	54	4,6-Dinitro-o-cresol	198	3.275	3.275	(0.873)	285	1.00000	0.207(a)
	55	N-nitrosodiphenylamine (1)+	169	3.307	3.307	(0.882)	5004	1.00000	1.03(a)
	56	Azobenzene	77	3.318	3.318	(0.884)	11220	1.00000	1.02(a)
$	57	2,4,6-Tribromophenol	332	3.361	3.361	(1.167)	640	1.00000	1.01(a)
	58	4-Bromophenyl-phenylether	248	3.510	3.510	(0.936)	1501	1.00000	1.04(a)
	59	Hexachlorobenzene	284	3.527	3.527	(0.940)	1627	1.00000	1.00(a)
	60	Pentachlorophenol +	266	3.687	3.687	(0.983)	439	1.00000	0.448(aM1)
*	61	Phenanthrene-d10	188	3.751	3.751	(1.000)	387539	40.0000	
	62	Phenanthrene	178	3.762	3.762	(1.003)	10961	1.00000	1.10(a)

		QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ppm)
	63 Anthracene	178	3.794	3.794	(1.011)	9850	1.00000	0.993(a)
	64 Carbazole	167	3.917	3.917	(1.044)	9727	1.00000	1.10(a)
	65 Di-n-butylphthalate	149	4.174	4.174	(1.113)	9924	1.00000	1.00(a)
	67 Fluoranthene +	202	4.463	4.463	(1.190)	8808	1.00000	0.976(a)
	68 Benzidine	184	4.591	4.591	(0.861)	2854	1.00000	1.31(a)
	69 Pyrene	202	4.591	4.591	(0.861)	9422	1.00000	1.10(a)
$	70 Terphenyl-d14	244	4.730	4.730	(0.887)	4681	1.00000	0.993(a)
	71 Butylbenzylphthalate	149	5.056	5.056	(0.948)	3379	1.00000	0.925(a)
	73 3,3'-Dichlorobenzidine	252	5.356	5.356	(1.004)	2011	1.00000	0.952(a)
	72 Benzo(a)anthracene	228	5.329	5.329	(0.999)	7896	1.00000	1.17(a)
*	74 Chrysene-d12	240	5.334	5.334	(1.000)	217036	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.463	5.463	(1.024)	4412	1.00000	0.953(a)
	75 Chrysene	228	5.350	5.350	(1.003)	6743	1.00000	1.03(a)
	77 Di-n-octylphthalate +	149	5.912	5.912	(1.108)	5401	1.00000	0.752(aH)
	78 Benzo(b)fluoranthene	252	6.040	6.040	(0.960)	4457	1.00000	0.832(aH)
	79 Benzo(k)fluoranthene	252	6.062	6.062	(0.963)	5365	1.00000	0.939(aH)
	80 Benzo(a)pyrene +	252	6.254	6.254	(0.994)	4163	1.00000	0.881(a)
*	81 Perylene-d12	264	6.292	6.292	(1.000)	154477	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	6.976	6.976	(1.308)	2514	1.00000	1.71(a)
	83 Dibenzo(a,h)anthracene	278	7.014	7.014	(1.115)	3242	1.00000	1.12(a)
	84 Benzo(g,h,i)perylene	276	7.137	7.137	(1.134)	3718	1.00000	1.14(a)
M	66 Total Methylphenol	108				8452	2.00000	2.35(a)
	91 Acetophenone	105	1.457	1.457	(1.157)	2655	1.00000	1.13(a)
	155 Benzaldehyde	77	1.885	1.885	(1.497)	3146	1.00000	1.74(a)
	156 Caprolactam	113	2.141	2.141	(1.136)	917	1.00000	1.01(a)
	157 Biphenyl	154	2.564	2.564	(1.360)	8305	1.00000	1.11(a)
	158 Atrazine	200	3.655	3.655	(0.974)	1323	1.00000	0.842(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

169152

Data File: /chem/MSSV4.i/2071223.s.b/c2058.d

Date : 23-DEC-2007 15:26

Client ID: STD000

Instrument: MSSV4.i

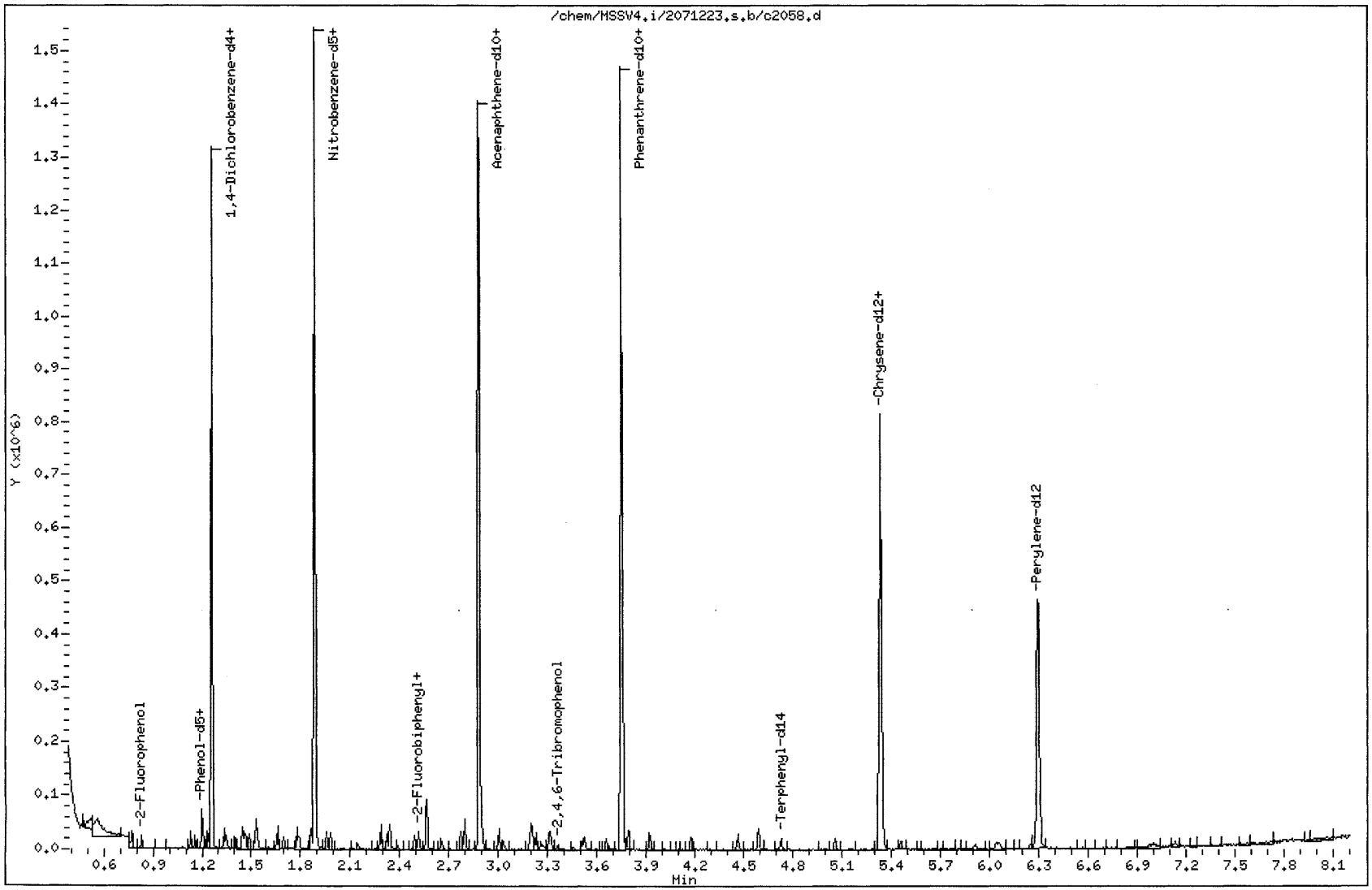
Sample Info: 1202*35-11-2

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

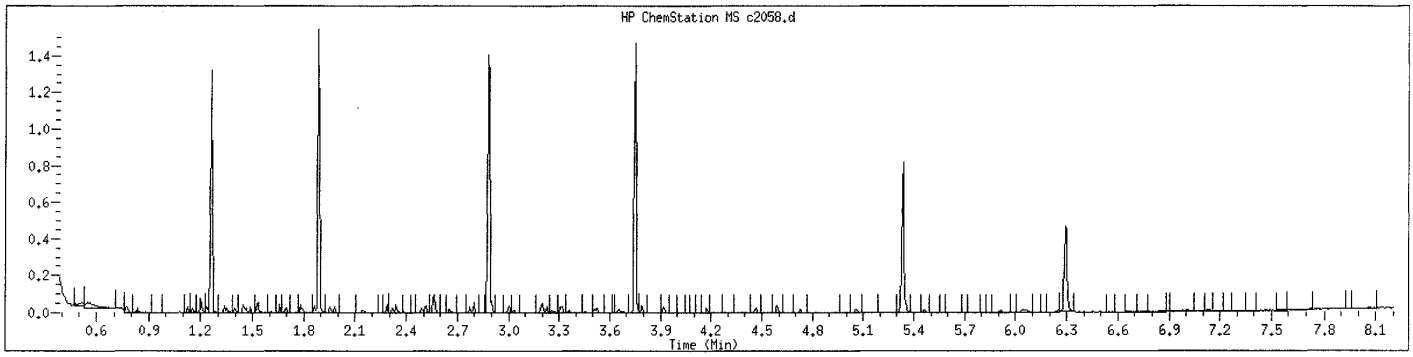
Column diameter: 0.25



Report Date: 12/24/2007 09:33

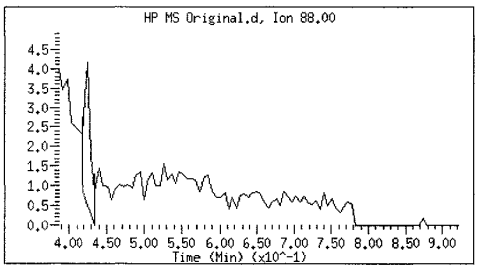
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1202	SampleType	: CALIB_2
Injection Date	: 12/23/2007 15:26	Instrument	: MSSV4.i
Operator	: rrr		
Sample Info	: 1202*35-11-2		
Misc Info	: STD000*MSSV~4727~*		
Method	: /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8270C



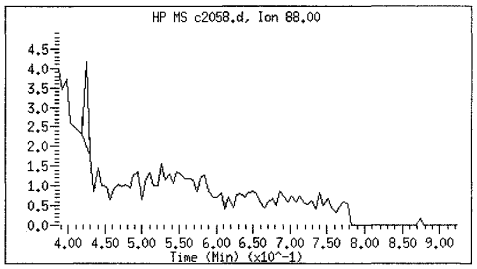
Original Final

174 1,4-Dioxane CAS#: 123-91-1 Reason: M2

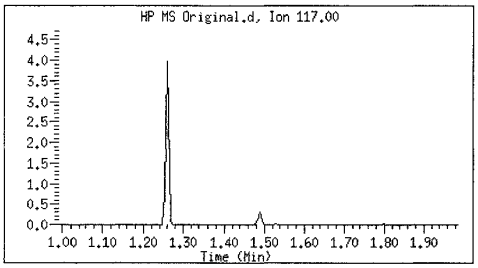


Electronic Signature Applied

User: rrr
Date: 12/24/2007 05:34



18 Hexachloroethane CAS#: 67-72-1 Reason: M1



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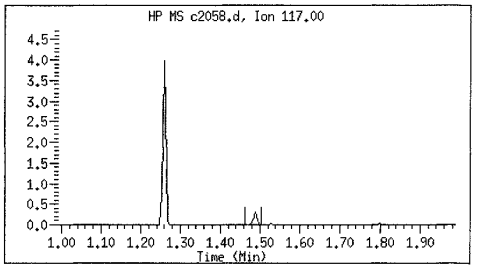
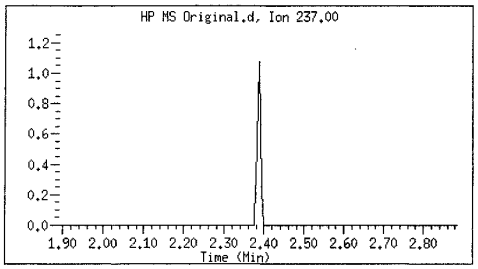
Date: 12/24/2007 05:34



Original Final

34 Hexachlorocyclopentadiene ++ CAS#: 77-47-4 Reason: M1



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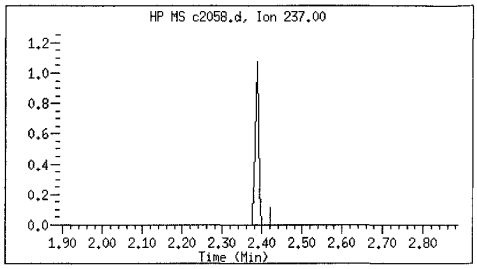
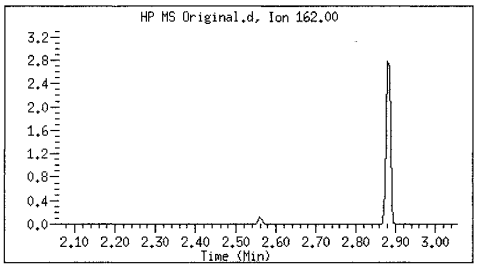


38 2-Chloronaphthalene CAS#: 91-58-7 Reason: M1



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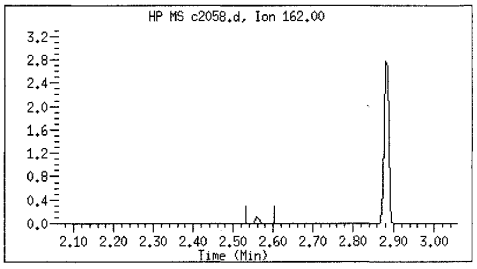
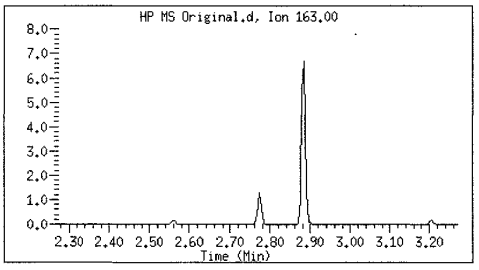


40 Dimethylphthalate CAS#: 131-11-3 Reason: M1



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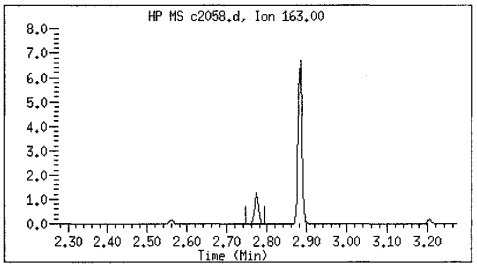
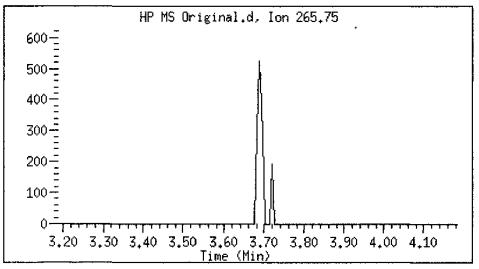
Date: 12/24/2007 05:35



60 Pentachlorophenol + CAS#: 87-86-5 Reason: M1



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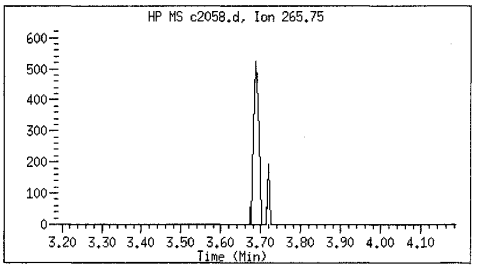
Date: 12/24/2007 05:35



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2057.d
Lab Smp Id: 1203 Client Smp ID: STD002
Inj Date : 23-DEC-2007 15:11
Operator : rrr Inst ID: MSSV4.i
Smp Info : 1203*35-11-1
Misc Info : STD002*MSSV~4727~*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:33 rrr Quant Type: ISTD
Cal Date : 07-NOV-2007 04:28 Cal File: c0250.d
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	2 Pyridine	79	0.488	0.488	(0.388)	6624	2.00000	0.291(a)
$	3 2-Fluorophenol	112	0.831	0.831	(0.660)	7230	2.00000	1.66(a)
$	4 Phenol-d5	99	1.200	1.200	(0.953)	11006	2.00000	1.85(a)
	5 Aniline	93	1.130	1.130	(0.898)	13597	2.00000	1.86(a)
	6 Phenol +	94	1.200	1.200	(0.953)	11546	2.00000	1.90(a)
	7 bis(-2-Chloroethyl)Ether	63	1.157	1.157	(0.919)	6472	2.00000	2.02(a)
	8 2-Chlorophenol	128	1.200	1.200	(0.953)	7698	2.00000	1.86(a)
	9 1,3-Dichlorobenzene	146	1.232	1.232	(0.979)	8382	2.00000	1.84(a)
*	10 1,4-Dichlorobenzene-d4	152	1.259	1.259	(1.000)	116538	40.0000	
	11 1,4-Dichlorobenzene +	146	1.269	1.269	(1.008)	8828	2.00000	1.91(a)
	12 Benzyl alcohol	108	1.344	1.344	(1.068)	5949	2.00000	2.09(a)
	13 1,2-Dichlorobenzene	146	1.334	1.334	(1.059)	8698	2.00000	1.96(a)
	15 2-Methylphenol	108	1.446	1.446	(1.149)	8040	2.00000	1.98(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	14 Bis(2-chloroisopropyl)ether	45	1.398	1.398	(1.110)	10472	2.00000	1.87(a)
	17 3- & 4-Methylphenol	108	1.531	1.531	(1.217)	9340	2.00000	2.16(a)
	16 N-Nitroso-di-n-propylamine++	70	1.467	1.467	(1.166)	7370	2.00000	2.17(a)
	18 Hexachloroethane	117	1.489	1.489	(1.183)	4032	2.00000	2.14(a)
$	19 Nitrobenzene-d5	82	1.526	1.526	(0.810)	10233	2.00000	1.99(a)
	20 Nitrobenzene	77	1.531	1.531	(0.813)	14548	2.00000	1.94(a)
	21 Isophorone	82	1.660	1.660	(0.881)	19554	2.00000	2.04(a)
	22 2-Nitrophenol +	139	1.697	1.697	(0.901)	4263	2.00000	1.80(a)
	23 2,4-Dimethyphenol	107	1.777	1.777	(0.943)	9392	2.00000	1.92(a)
	24 bis(-2-Chloroethoxy)methane	93	1.794	1.794	(0.952)	10872	2.00000	1.92(a)
	25 Benzoic Acid	122	1.884	1.884	(1.000)	2478	2.00000	1.27(a)
	26 2,4-Dichlorophenol +	162	1.879	1.879	(0.997)	6534	2.00000	1.95(a)
	27 1,2,4-Trichlorobenzene	180	1.863	1.863	(0.989)	7238	2.00000	1.94(a)
*	28 Naphthalene-d8	136	1.884	1.884	(1.000)	477156	40.0000	
	29 Naphthalene	128	1.895	1.895	(1.006)	24205	2.00000	1.95(a)
	30 4-Chloroaniline	127	1.954	1.954	(1.037)	9062	2.00000	1.90(a)
	31 Hexachlorobutadiene +	225	1.981	1.981	(1.051)	3979	2.00000	2.01(a)
	32 4-Chloro-3-Methylphenol +	107	2.318	2.318	(1.230)	7744	2.00000	2.01(a)
	33 2-Methylnaphthalene	142	2.286	2.286	(1.213)	15973	2.00000	1.99(a)
	145 1-Methylnapthalene	142	2.339	2.339	(1.241)	14463	2.00000	1.97(a)
	34 Hexachlorocyclopentadiene ++	237	2.387	2.387	(0.828)	1972	2.00000	0.820(aM1)
	35 2,4,6-Trichlorophenol +	196	2.489	2.489	(0.863)	4208	2.00000	1.71(a)
	36 2,4,5-Trichlorphenol	196	2.564	2.564	(0.889)	4444	2.00000	1.69(a)
$	37 2-Fluorobiphenyl	172	2.516	2.516	(0.872)	15707	2.00000	1.85(a)
	38 2-Chloronaphthalene	162	2.558	2.558	(0.887)	14305	2.00000	1.83(aM1)
	39 2-Nitroaniline	138	2.649	2.649	(0.918)	4756	2.00000	1.78(a)
	40 Dimethylphthalate	163	2.772	2.772	(0.961)	13509	2.00000	1.80(aM1)
	41 2,6-Dinitrotoluene	165	2.799	2.799	(0.970)	3416	2.00000	1.90(a)
	42 Acenaphthylene	152	2.794	2.794	(0.968)	22808	2.00000	1.88(a)
	43 3-Nitroaniline	138	2.901	2.901	(1.006)	3656	2.00000	1.78(a)
*	44 Acenaphthene-d10	164	2.885	2.885	(1.000)	266449	40.0000	
	45 Acenaphthene +	153	2.901	2.901	(1.006)	13941	2.00000	1.88(a)
	46 2,4-Dinitrophenol ++	184	2.976	2.976	(1.032)	330	2.00000	0.324(aM1)
	49 4-Nitrophenol ++	109	3.190	3.190	(1.106)	1690	2.00000	1.36(aH)
	47 Dibenzofuran	168	3.002	3.002	(1.041)	20658	2.00000	1.96(a)
	48 2,4-Dinitrotoluene	165	3.034	3.034	(1.052)	3754	2.00000	1.70(a)
	50 Diethylphthalate	149	3.195	3.195	(1.108)	13492	2.00000	1.98(a)
	52 4-Chlorophenyl-phenylether	204	3.227	3.227	(1.119)	6439	2.00000	1.84(a)
	51 Fluorene	166	3.206	3.206	(1.111)	14483	2.00000	1.83(a)
	53 4-Nitroaniline	138	2.901	2.901	(1.006)	3656	2.00000	1.78(a)
	54 4,6-Dinitro-o-cresol	198	3.270	3.270	(0.872)	1268	2.00000	0.827(a)
	55 N-nitrosodiphenylamine (1)+	169	3.307	3.307	(0.882)	9927	2.00000	1.83(a)
	56 Azobenzene	77	3.318	3.318	(0.884)	23512	2.00000	1.91(a)
$	57 2,4,6-Tribromophenol	332	3.361	3.361	(1.165)	1240	2.00000	1.68(a)
	58 4-Bromophenyl-phenylether	248	3.510	3.510	(0.936)	2878	2.00000	1.79(a)
	59 Hexachlorobenzene	284	3.526	3.526	(0.940)	3521	2.00000	1.95(a)
	60 Pentachlorophenol +	266	3.687	3.687	(0.983)	913	2.00000	0.835(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
*	61 Phenanthrene-d10	188	3.751	3.751	(1.000)	432517	40.0000	
	62 Phenanthrene	178	3.762	3.762	(1.003)	20677	2.00000	1.86(a)
	63 Anthracene	178	3.794	3.794	(1.011)	21081	2.00000	1.90(a)
	64 Carbazole	167	3.917	3.917	(1.044)	18798	2.00000	1.90(a)
	65 Di-n-butylphthalate	149	4.174	4.174	(1.113)	19177	2.00000	1.73(a)
	67 Fluoranthene +	202	4.463	4.463	(1.190)	18600	2.00000	1.85(a)
	68 Benzidine	184	4.586	4.586	(0.860)	5741	2.00000	2.20(a)
	69 Pyrene	202	4.591	4.591	(0.861)	18844	2.00000	1.84(a)
$	70 Terphenyl-d14	244	4.730	4.730	(0.887)	10389	2.00000	1.84(a)
	71 Butylbenzylphthalate	149	5.056	5.056	(0.948)	7876	2.00000	1.80(a)
	73 3,3'-Dichlorobenzidine	252	5.356	5.356	(1.004)	4582	2.00000	1.81(a)
	72 Benzo(a)anthracene	228	5.329	5.329	(0.999)	15215	2.00000	1.89(a)
*	74 Chrysene-d12	240	5.334	5.334	(1.000)	259483	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.457	5.457	(1.023)	9014	2.00000	1.63(a)
	75 Chrysene	228	5.350	5.350	(1.003)	14364	2.00000	1.84(a)
	77 Di-n-octylphthalate +	149	5.912	5.912	(1.108)	13696	2.00000	1.60(aH)
	78 Benzo(b)fluoranthene	252	6.040	6.040	(0.959)	11120	2.00000	1.75(aH)
	79 Benzo(k)fluoranthene	252	6.056	6.056	(0.962)	12077	2.00000	1.78(a)
	80 Benzo(a)pyrene +	252	6.254	6.254	(0.993)	9634	2.00000	1.72(a)
*	81 Perylene-d12	264	6.297	6.297	(1.000)	183322	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	6.982	6.982	(1.309)	8870	2.00000	2.91(a)
	83 Dibenzo(a,h)anthracene	278	7.008	7.008	(1.113)	6178	2.00000	1.67(a)
	84 Benzo(g,h,i)perylene	276	7.131	7.131	(1.133)	8689	2.00000	2.01(a)
M	66 Total Methylphenol	108				17380	4.00000	4.14(a)
	91 Acetophenone	105	1.457	1.457	(1.157)	5833	2.00000	2.13(a)
	155 Benzaldehyde	77	1.457	1.457	(1.157)	9921	2.00000	7.27(a)
	156 Caprolactam	113	2.141	2.141	(1.136)	1748	2.00000	1.67(aH)
	157 Biphenyl	154	2.564	2.564	(1.360)	18564	2.00000	2.15(a)
	158 Atrazine	200	3.655	3.655	(0.974)	3124	2.00000	1.78(a)

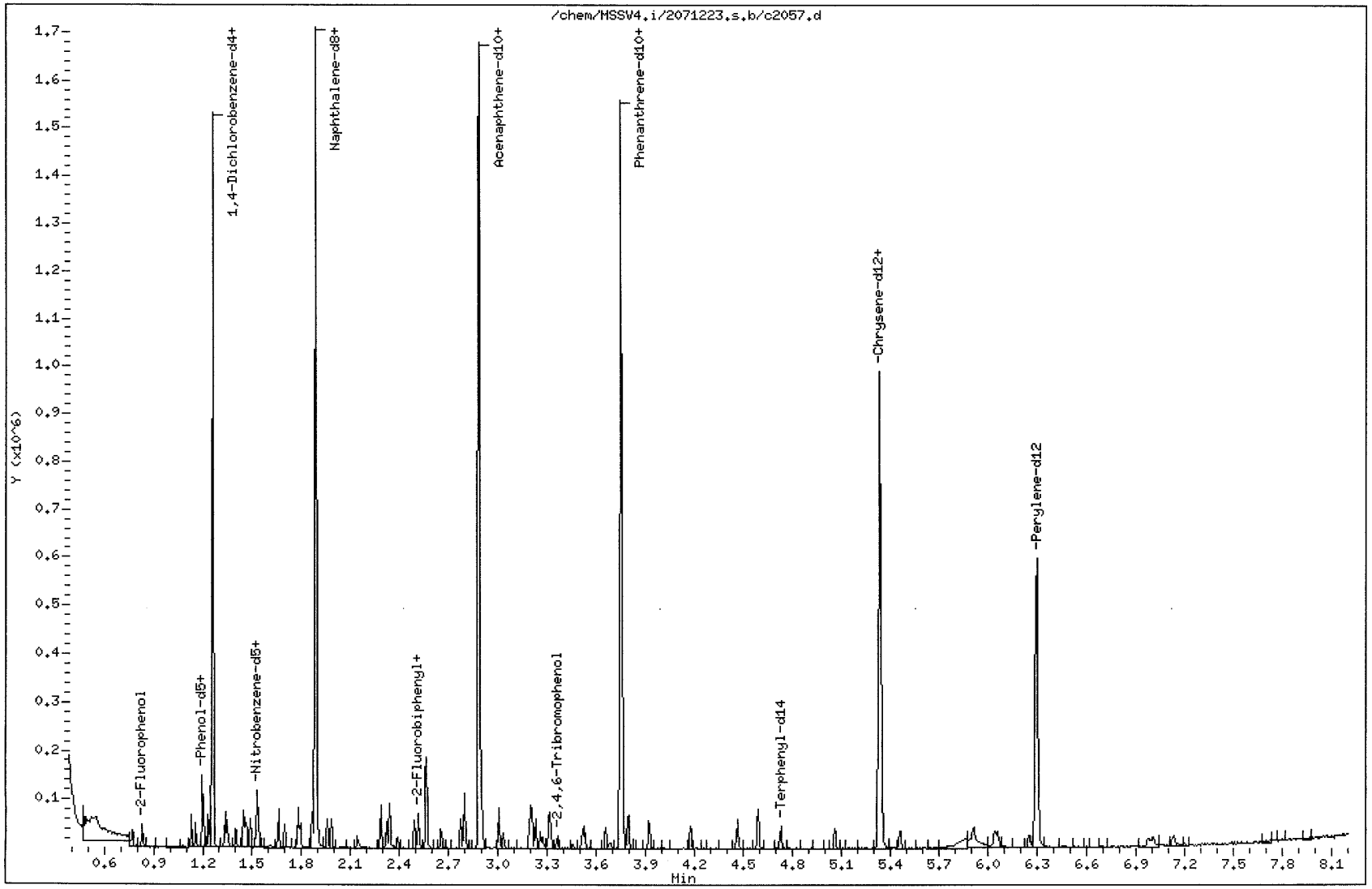
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

169158

Data File: /chem/MSSV4.i/2071223.s.b/c2057.d
Date : 23-DEC-2007 15:11
Client ID: STD002
Sample Info: 1203*35-11-1
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

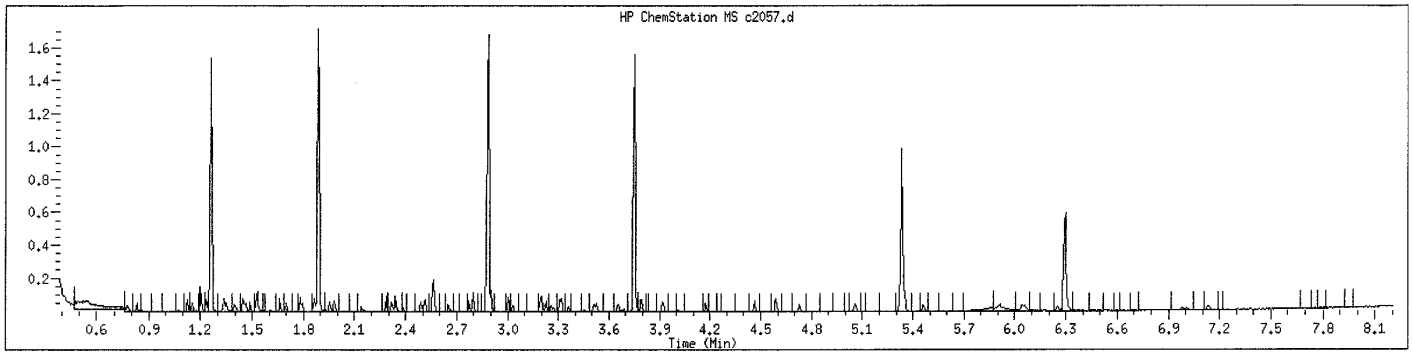
Instrument: MSSV4.i
Operator: rrr
Column diameter: 0.25



Data file : /var/chem/MSSV4.i/2071223.s.b/c2057.d Page: 1
Report Date: 12/24/2007 09:33

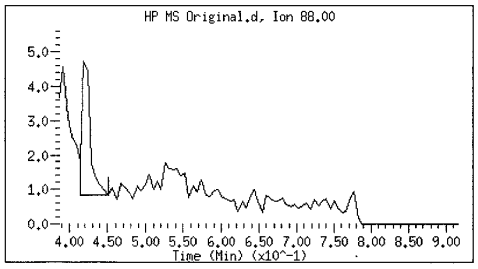
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/23/2007 15:11	Instrument	: MSSV4.i
Operator	: rrr		
Sample Info	: 1203*35-11-1		
Misc Info	: STD002*MSSV~4727~*		
Method	: /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist:	8270C



Original Final

174 1,4-Dioxane CAS#: 123-91-1 Reason: M2



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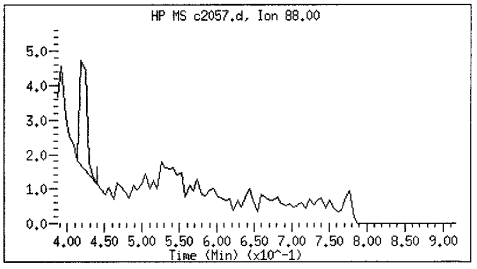
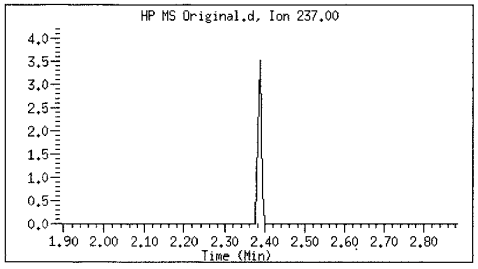
Date: 12/24/2007 05:33



34 Hexachlorocyclopentadiene ++ CAS#: 77-47-4 Reason: M1



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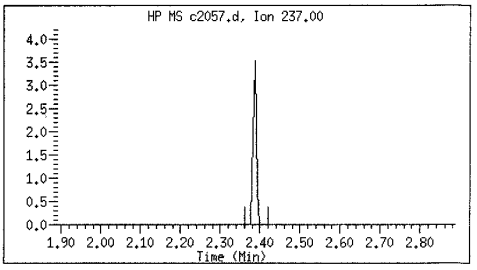
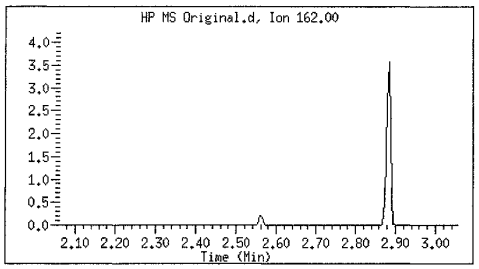


Original Final

38 2-Chloronaphthalene CAS#: 91-58-7 Reason: M1



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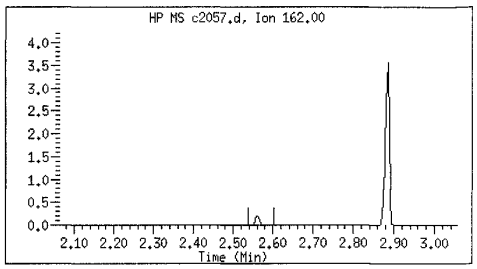
Date: 12/24/2007 05:33



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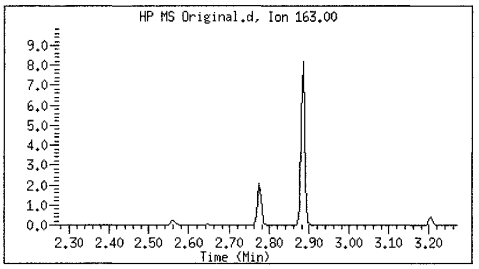
40 Dimethylphthalate CAS#: 131-11-3 Reason: M1



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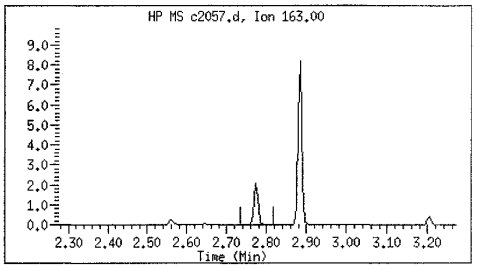
Date: 12/24/2007 05:33



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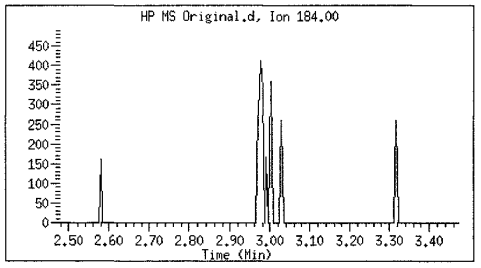
46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



Electronic Signature Applied

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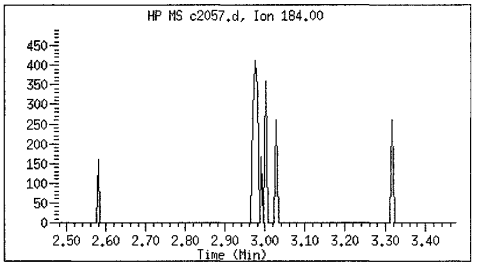
Date: 12/24/2007 05:33



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2052.d
Lab Smp Id: 1204 Client Smp ID: STD010
Inj Date : 23-DEC-2007 13:57
Operator : rrr Inst ID: MSSV4.i
Smp Info : 1204*35-10-13
Misc Info : STD010*MSSV~4727~*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:33 rrr Quant Type: ISTD
Cal Date : 07-NOV-2007 03:29 Cal File: c0246.d
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	2 Pyridine	79	0.478	0.478	(0.380)	52785	10.0000	14.9
	1 n-Nitrosodimethylamine	42	0.467	0.467	(0.371)	19573	10.0000	18.3
$	3 2-Fluorophenol	112	0.825	0.825	(0.656)	31215	10.0000	11.3
$	4 Phenol-d5	99	1.194	1.194	(0.949)	43402	10.0000	11.5
	5 Aniline	93	1.125	1.125	(0.894)	56902	10.0000	12.3
	6 Phenol +	94	1.200	1.200	(0.953)	45327	10.0000	11.8
	7 bis(-2-Chloroethyl)Ether	63	1.157	1.157	(0.919)	22314	10.0000	11.0
	8 2-Chlorophenol	128	1.200	1.200	(0.953)	30594	10.0000	11.7
	9 1,3-Dichlorobenzene	146	1.232	1.232	(0.979)	33422	10.0000	11.5
*	10 1,4-Dichlorobenzene-d4	152	1.259	1.259	(1.000)	74048	40.0000	
	11 1,4-Dichlorobenzene +	146	1.264	1.264	(1.004)	32945	10.0000	11.2
	12 Benzyl alcohol	108	1.344	1.344	(1.068)	20223	10.0000	11.2
	13 1,2-Dichlorobenzene	146	1.333	1.333	(1.059)	32255	10.0000	11.4

169162

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
15	2-Methylphenol	108	1.446	1.446	(1.149)	30470	10.0000	11.8
14	Bis(2-chloroisopropyl)ether	45	1.398	1.398	(1.110)	41160	10.0000	11.5
17	3- & 4-Methylphenol	108	1.526	1.526	(1.212)	32544	10.0000	11.9
16	N-Nitroso-di-n-propylamine++	70	1.462	1.462	(1.161)	25446	10.0000	11.8
18	Hexachloroethane	117	1.489	1.489	(1.183)	13738	10.0000	11.5
$ 19	Nitrobenzene-d5	82	1.521	1.521	(0.807)	36880	10.0000	12.1
20	Nitrobenzene	77	1.531	1.531	(0.813)	52861	10.0000	11.9
21	Isophorone	82	1.660	1.660	(0.881)	66871	10.0000	11.8
22	2-Nitrophenol +	139	1.697	1.697	(0.901)	15069	10.0000	10.7
23	2,4-Dimethyphenol	107	1.777	1.777	(0.943)	35785	10.0000	12.3
24	bis(-2-Chloroethoxy)methane	93	1.788	1.788	(0.949)	38327	10.0000	11.4
25	Benzoic Acid	122	1.884	1.884	(1.000)	11167	10.0000	9.63(a)
26	2,4-Dichlorophenol +	162	1.874	1.874	(0.994)	21848	10.0000	11.0
27	1,2,4-Trichlorobenzene	180	1.863	1.863	(0.989)	24113	10.0000	10.9
* 28	Naphthalene-d8	136	1.884	1.884	(1.000)	283466	40.0000	
29	Naphthalene	128	1.895	1.895	(1.006)	83893	10.0000	11.4
30	4-Chloroaniline	127	1.954	1.954	(1.037)	35436	10.0000	12.5
31	Hexachlorobutadiene +	225	1.981	1.981	(1.051)	12395	10.0000	10.5
32	4-Chloro-3-Methylphenol +	107	2.318	2.318	(1.230)	27276	10.0000	11.9
33	2-Methylnaphthalene	142	2.286	2.286	(1.213)	55272	10.0000	11.6
145	1-Methylnapthalene	142	2.339	2.339	(1.241)	50136	10.0000	11.5
34	Hexachlorocyclopentadiene ++	237	2.387	2.387	(0.829)	10145	10.0000	7.55(a)
35	2,4,6-Trichlorophenol +	196	2.489	2.489	(0.864)	15429	10.0000	11.2
36	2,4,5-Trichlorphenol	196	2.564	2.564	(0.890)	16037	10.0000	10.9
$ 37	2-Fluorobiphenyl	172	2.510	2.510	(0.872)	51211	10.0000	10.8
38	2-Chloronaphthalene	162	2.558	2.558	(0.889)	50327	10.0000	11.5
39	2-Nitroaniline	138	2.649	2.649	(0.920)	17137	10.0000	11.5
40	Dimethylphthalate	163	2.772	2.772	(0.963)	47692	10.0000	11.4(M1)
41	2,6-Dinitrotoluene	165	2.799	2.799	(0.972)	11286	10.0000	11.2
42	Acenaphthylene	152	2.794	2.794	(0.970)	75034	10.0000	11.1
43	3-Nitroaniline	138	2.895	2.895	(1.006)	14397	10.0000	12.5
* 44	Acenaphthene-d10	164	2.879	2.879	(1.000)	148808	40.0000	
45	Acenaphthene +	153	2.901	2.901	(1.007)	45928	10.0000	11.1
46	2,4-Dinitrophenol ++	184	2.965	2.965	(1.030)	4178	10.0000	7.34(aM1)
49	4-Nitrophenol ++	109	3.189	3.189	(1.108)	7504	10.0000	10.8(H)
47	Dibenzofuran	168	3.002	3.002	(1.043)	68209	10.0000	11.6
48	2,4-Dinitrotoluene	165	3.034	3.034	(1.054)	14507	10.0000	11.7
50	Diethylphthalate	149	3.195	3.195	(1.110)	45384	10.0000	11.9
52	4-Chlorophenyl-phenylether	204	3.227	3.227	(1.121)	21149	10.0000	10.8
51	Fluorene	166	3.205	3.205	(1.113)	50673	10.0000	11.5
53	4-Nitroaniline	138	2.895	2.895	(1.006)	14397	10.0000	12.5
54	4,6-Dinitro-o-cresol	198	3.270	3.270	(0.872)	7718	10.0000	8.95(a)
55	N-nitrosodiphenylamine (1)+	169	3.307	3.307	(0.882)	33094	10.0000	10.8
56	Azobenzene	77	3.318	3.318	(0.884)	77929	10.0000	11.3
$ 57	2,4,6-Tribromophenol	332	3.361	3.361	(1.167)	4785	10.0000	11.6
58	4-Bromophenyl-phenylether	248	3.516	3.516	(0.937)	9672	10.0000	10.7
59	Hexachlorobenzene	284	3.526	3.526	(0.940)	10564	10.0000	10.4

169163

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60	Pentachlorophenol +	266	3.687	3.687	(0.983)	5265	10.0000	8.56(a)
*	61	Phenanthrene-d10	188	3.751	3.751	(1.000)	243237	40.0000	
	62	Phenanthrene	178	3.762	3.762	(1.003)	70058	10.0000	11.2
	63	Anthracene	178	3.794	3.794	(1.011)	66835	10.0000	10.7
	64	Carbazole	167	3.922	3.922	(1.046)	64731	10.0000	11.6
	65	Di-n-butylphthalate	149	4.179	4.179	(1.114)	68756	10.0000	11.1
	67	Fluoranthene +	202	4.468	4.468	(1.191)	65772	10.0000	11.6
	68	Benzidine	184	4.591	4.591	(0.861)	18103	10.0000	12.2
	69	Pyrene	202	4.591	4.591	(0.861)	66056	10.0000	11.3
$	70	Terphenyl-d14	244	4.730	4.730	(0.887)	35306	10.0000	11.0
	71	Butylbenzylphthalate	149	5.061	5.061	(0.949)	28597	10.0000	11.5
	73	3,3'-Dichlorobenzidine	252	5.356	5.356	(1.004)	14416	10.0000	10.0
	72	Benzo(a)anthracene	228	5.329	5.329	(0.999)	49347	10.0000	10.8
*	74	Chrysene-d12	240	5.334	5.334	(1.000)	148069	40.0000	
	76	bis(2-Ethylhexyl)phthalate	149	5.463	5.463	(1.024)	33082	10.0000	10.5
	75	Chrysene	228	5.350	5.350	(1.003)	48363	10.0000	10.9
	77	Di-n-octylphthalate +	149	5.912	5.912	(1.108)	49167	10.0000	10.0(H)
	78	Benzo(b)fluoranthene	252	6.046	6.046	(0.960)	37595	10.0000	10.3
	79	Benzo(k)fluoranthene	252	6.062	6.062	(0.963)	48605	10.0000	12.5
	80	Benzo(a)pyrene +	252	6.254	6.254	(0.993)	36063	10.0000	11.3
*	81	Perylene-d12	264	6.297	6.297	(1.000)	104785	40.0000	
	82	Indeno(1,2,3-cd)pyrene	276	6.982	6.982	(1.309)	28347	10.0000	11.1
	83	Dibenzo(a,h)anthracene	278	7.008	7.008	(1.113)	25750	10.0000	10.7
	84	Benzo(g,h,i)perylene	276	7.137	7.137	(1.133)	33149	10.0000	11.9
M	66	Total Methylphenol	108				63014	20.0000	23.7
	91	Acetophenone	105	1.451	1.451	(1.153)	19659	10.0000	11.3
	155	Benzaldehyde	77	1.077	1.077	(0.855)	4522	10.0000	4.69(a)
	156	Caprolactam	113	2.141	2.141	(1.136)	7634	10.0000	12.3
	157	Biphenyl	154	2.564	2.564	(1.360)	62898	10.0000	12.3
	158	Atrazine	200	3.655	3.655	(0.974)	11430	10.0000	11.6
	174	1,4-Dioxane	88	0.419	0.419	(0.333)	21148	10.0000	5.27(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

Data File: /chem/MSSV4.i/2071223.s.b/c2052.d

Date : 23-DEC-2007 13:57

Client ID: STD010

Instrument: MSSV4.i

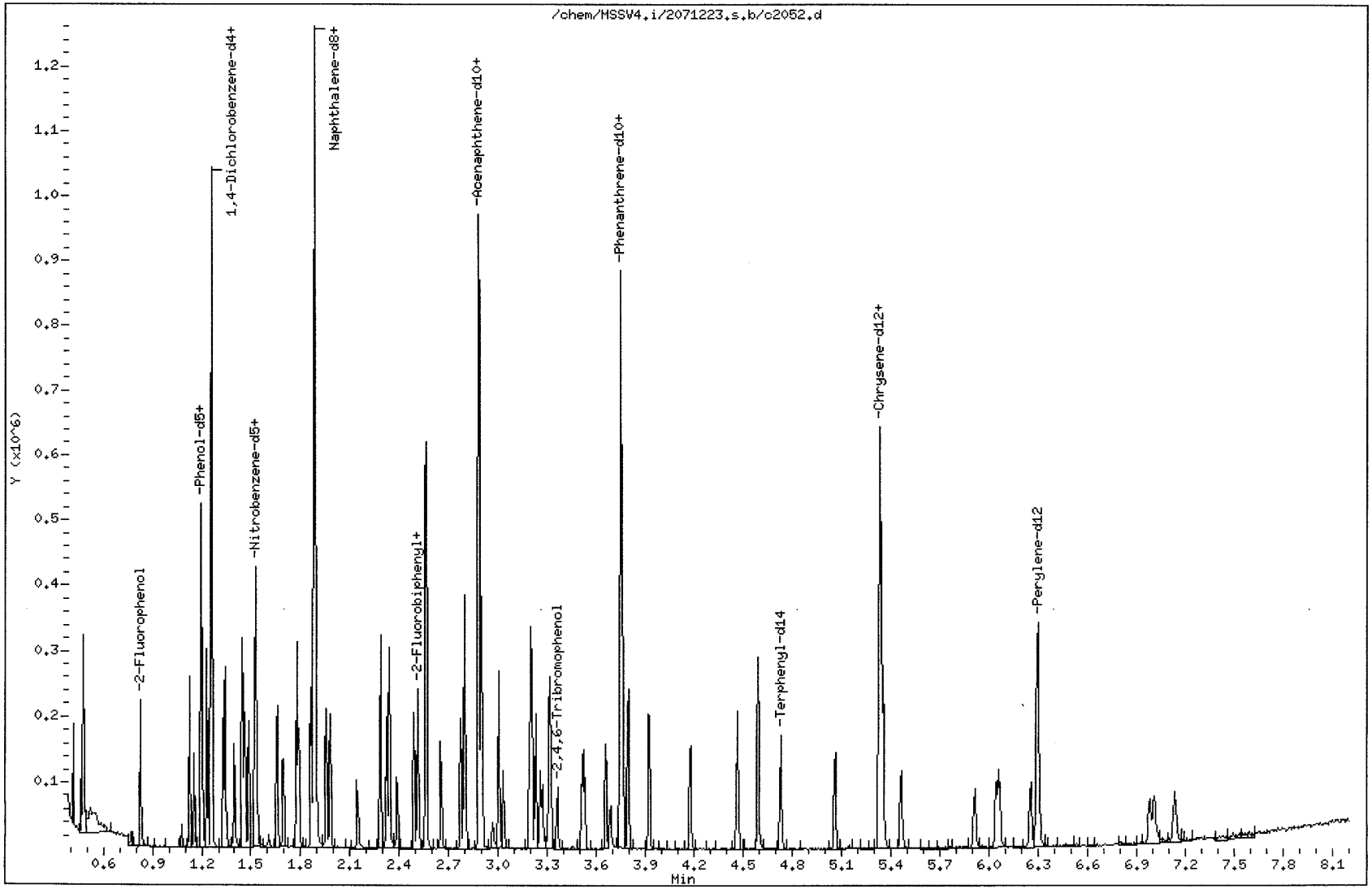
Sample Info: 1204x35-10-13

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

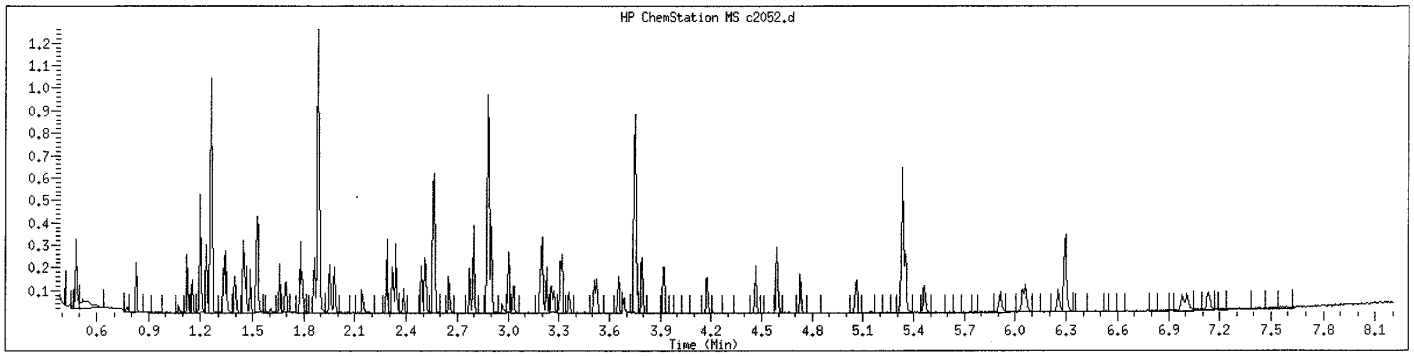
Column diameter: 0.25



Data file : /var/chem/MSSV4.i/2071223.s.b/c2052.d Page: 1
Report Date: 12/24/2007 09:33

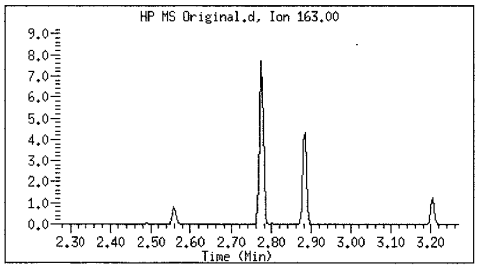
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1204 SampleType : CALIB_4
Injection Date: 12/23/2007 13:57 Instrument : MSSV4.i
Operator : rrr
Sample Info : 1204*35-10-13
Misc Info : STD010*MSSV~4727~*
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



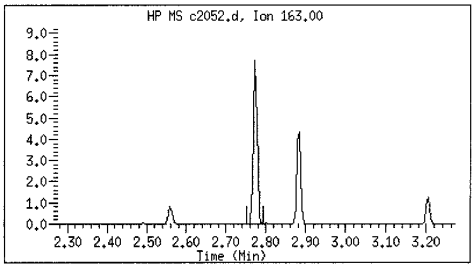
Original Final

40 Dimethylphthalate CAS#: 131-11-3 Reason: M1

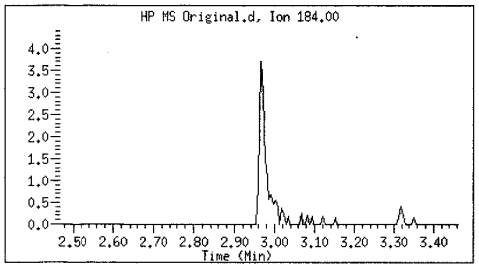


Electronic Signature Applied

User: rrr
Date: 12/24/2007 05:28



46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



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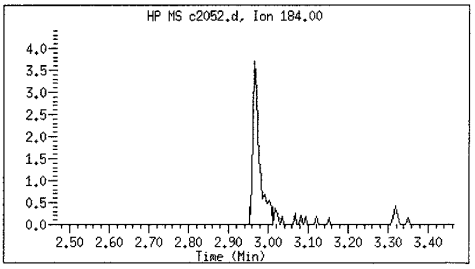
Date: 12/24/2007 05:29



M1 - Target system did not integrate

169167

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2051.d
Lab Smp Id: 1205 Client Smp ID: STD050
Inj Date : 23-DEC-2007 13:33
Operator : rrr Inst ID: MSSV4.i
Smp Info : 1205*35-10-12
Misc Info : STD050*MSSV~4727~*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:34 rrr Quant Type: ISTD
Cal Date : 07-NOV-2007 03:14 Cal File: c0245.d
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

			QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	2	Pyridine	79	0.478	0.478	(0.380)	179372	50.0000	47.3
	1	n-Nitrosodimethylamine	42	0.467	0.467	(0.371)	67542	50.0000	62.5
$	3	2-Fluorophenol	112	0.825	0.825	(0.656)	176321	50.0000	56.4
$	4	Phenol-d5	99	1.189	1.189	(0.945)	208811	50.0000	49.1
	5	Aniline	93	1.130	1.130	(0.898)	255320	50.0000	48.8
	6	Phenol +	94	1.194	1.194	(0.949)	219445	50.0000	50.5
	7	bis(-2-Chloroethyl)Ether	63	1.157	1.157	(0.919)	110129	50.0000	48.0
	8	2-Chlorophenol	128	1.200	1.200	(0.953)	142812	50.0000	48.3
	9	1,3-Dichlorobenzene	146	1.232	1.232	(0.979)	158395	50.0000	48.5
*	10	1,4-Dichlorobenzene-d4	152	1.259	1.259	(1.000)	83443	40.0000	
	11	1,4-Dichlorobenzene +	146	1.269	1.269	(1.008)	161251	50.0000	48.8
	12	Benzyl alcohol	108	1.350	1.350	(1.072)	108235	50.0000	53.0
	13	1,2-Dichlorobenzene	146	1.334	1.334	(1.059)	155084	50.0000	48.8

169168

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	15 2-Methylphenol	108	1.446	1.446	(1.149)	149947	50.0000	51.5
	14 Bis(2-chloroisopropyl)ether	45	1.403	1.403	(1.115)	197045	50.0000	49.0
	17 3- & 4-Methylphenol	108	1.526	1.526	(1.212)	157477	50.0000	50.9
	16 N-Nitroso-di-n-propylamine++	70	1.467	1.467	(1.166)	120866	50.0000	49.8
	18 Hexachloroethane	117	1.489	1.489	(1.183)	64370	50.0000	47.6
$	19 Nitrobenzene-d5	82	1.526	1.526	(0.808)	170388	50.0000	49.6
	20 Nitrobenzene	77	1.537	1.537	(0.813)	259158	50.0000	51.8
	21 Isophorone	82	1.660	1.660	(0.878)	318462	50.0000	49.8
	22 2-Nitrophenol +	139	1.697	1.697	(0.898)	80348	50.0000	50.7
	23 2,4-Dimethyphenol	107	1.777	1.777	(0.941)	165559	50.0000	50.5
	24 bis(-2-Chloroethoxy)methane	93	1.794	1.794	(0.949)	189129	50.0000	49.9
	25 Benzoic Acid	122	1.906	1.906	(1.008)	66312	50.0000	50.8
	26 2,4-Dichlorophenol +	162	1.879	1.879	(0.994)	115767	50.0000	51.5
	27 1,2,4-Trichlorobenzene	180	1.863	1.863	(0.986)	122831	50.0000	49.1
*	28 Naphthalene-d8	136	1.890	1.890	(1.000)	319191	40.0000	
	29 Naphthalene	128	1.900	1.900	(1.006)	402598	50.0000	48.6
	30 4-Chloroaniline	127	1.954	1.954	(1.034)	160353	50.0000	50.4
	31 Hexachlorobutadiene +	225	1.981	1.981	(1.048)	65518	50.0000	49.4
	32 4-Chloro-3-Methylphenol +	107	2.318	2.318	(1.226)	129821	50.0000	50.3
	33 2-Methylnaphthalene	142	2.286	2.286	(1.209)	253420	50.0000	47.3
	145 1-Methylnapthalene	142	2.339	2.339	(1.238)	241705	50.0000	49.3
	34 Hexachlorocyclopentadiene ++	237	2.387	2.387	(0.828)	67649	50.0000	46.5
	35 2,4,6-Trichlorophenol +	196	2.494	2.494	(0.865)	75505	50.0000	50.7
	36 2,4,5-Trichlorphenol	196	2.558	2.558	(0.887)	77956	50.0000	49.0
$	37 2-Fluorobiphenyl	172	2.516	2.516	(0.872)	252440	50.0000	49.0
	38 2-Chloronaphthalene	162	2.564	2.564	(0.889)	230568	50.0000	48.6
	39 2-Nitroaniline	138	2.655	2.655	(0.920)	83120	50.0000	51.3
	40 Dimethylphthalate	163	2.778	2.778	(0.963)	225092	50.0000	49.4
	41 2,6-Dinitrotoluene	165	2.799	2.799	(0.970)	54310	50.0000	49.8
	42 Acenaphthylene	152	2.799	2.799	(0.970)	360291	50.0000	49.0
	43 3-Nitroaniline	138	2.901	2.901	(1.006)	65030	50.0000	52.3
*	44 Acenaphthene-d10	164	2.885	2.885	(1.000)	161220	40.0000	
	45 Acenaphthene +	153	2.901	2.901	(1.006)	221214	50.0000	49.3
	46 2,4-Dinitrophenol ++	184	2.965	2.965	(1.028)	30297	50.0000	49.1(M1)
	49 4-Nitrophenol ++	109	3.179	3.179	(1.102)	36895	50.0000	49.0(H)
	47 Dibenzofuran	168	3.008	3.008	(1.043)	309457	50.0000	48.5
	48 2,4-Dinitrotoluene	165	3.034	3.034	(1.052)	68439	50.0000	51.1
	50 Diethylphthalate	149	3.200	3.200	(1.109)	212992	50.0000	51.7
	52 4-Chlorophenyl-phenylether	204	3.232	3.232	(1.121)	106911	50.0000	50.4
	51 Fluorene	166	3.206	3.206	(1.111)	236675	50.0000	49.5
	53 4-Nitroaniline	138	2.901	2.901	(1.006)	65030	50.0000	52.3
	54 4,6-Dinitro-o-cresol	198	3.275	3.275	(0.873)	43057	50.0000	48.1
	55 N-nitrosodiphenylamine (1)+	169	3.313	3.313	(0.883)	156355	50.0000	49.4
	56 Azobenzene	77	3.318	3.318	(0.884)	360292	50.0000	50.2
$	57 2,4,6-Tribromophenol	332	3.366	3.366	(1.167)	22308	50.0000	50.0
	58 4-Bromophenyl-phenylether	248	3.516	3.516	(0.937)	46944	50.0000	50.0
	59 Hexachlorobenzene	284	3.532	3.532	(0.942)	50906	50.0000	48.3

169169

		QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ppm)
	60 Pentachlorophenol +	266	3.687	3.687	(0.983)	29947	50.0000	47.0
*	61 Phenanthrene-d10	188	3.751	3.751	(1.000)	252178	40.0000	
	62 Phenanthrene	178	3.767	3.767	(1.004)	316435	50.0000	48.8
	63 Anthracene	178	3.794	3.794	(1.011)	324961	50.0000	50.3
	64 Carbazole	167	3.922	3.922	(1.046)	287757	50.0000	49.9
	65 Di-n-butylphthalate	149	4.179	4.179	(1.114)	333721	50.0000	51.8
	67 Fluoranthene +	202	4.468	4.468	(1.191)	301016	50.0000	51.3
	68 Benzidine	184	4.591	4.591	(0.860)	75594	50.0000	44.8
	69 Pyrene	202	4.596	4.596	(0.861)	316635	50.0000	47.7
$	70 Terphenyl-d14	244	4.730	4.730	(0.886)	175411	50.0000	48.0
	71 Butylbenzylphthalate	149	5.062	5.062	(0.948)	147714	50.0000	52.2
	73 3,3'-Dichlorobenzidine	252	5.356	5.356	(1.003)	82735	50.0000	50.5
	72 Benzo(a)anthracene	228	5.329	5.329	(0.998)	236460	50.0000	45.4
*	74 Chrysene-d12	240	5.340	5.340	(1.000)	168222	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.463	5.463	(1.023)	186201	50.0000	51.9
	75 Chrysene	228	5.350	5.350	(1.002)	268035	50.0000	53.0
	77 Di-n-octylphthalate +	149	5.912	5.912	(1.107)	285375	50.0000	52.8(H)
	78 Benzo(b)fluoranthene	252	6.046	6.046	(0.960)	220656	50.0000	52.3
	79 Benzo(k)fluoranthene	252	6.062	6.062	(0.963)	226041	50.0000	50.2
	80 Benzo(a)pyrene +	252	6.260	6.260	(0.994)	185390	50.0000	49.9
*	81 Perylene-d12	264	6.297	6.297	(1.000)	121600	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	6.987	6.987	(1.309)	150909	50.0000	45.9
	83 Dibenzo(a,h)anthracene	278	7.014	7.014	(1.114)	146021	50.0000	49.2
	84 Benzo(g,h,i)perylene	276	7.137	7.137	(1.133)	161740	50.0000	47.4
M	66 Total Methylphenol	108				307424	100.000	102
	91 Acetophenone	105	1.457	1.457	(1.157)	97213	50.0000	49.5
	155 Benzaldehyde	77	1.082	1.082	(0.860)	29008	50.0000	46.3
	156 Caprolactam	113	2.163	2.163	(1.144)	39097	50.0000	55.8
	157 Biphenyl	154	2.569	2.569	(1.359)	286612	50.0000	49.6
	158 Atrazine	200	3.660	3.660	(0.976)	53038	50.0000	51.9
	174 1,4-Dioxane	88	0.419	0.419	(0.333)	84829	50.0000	59.0

QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

Data File: /chem/MSSV4.i/2071223.s.b/c2051.d

Page 1

Date : 23-DEC-2007 13:33

Client ID: STD050

Instrument: MSSV4.i

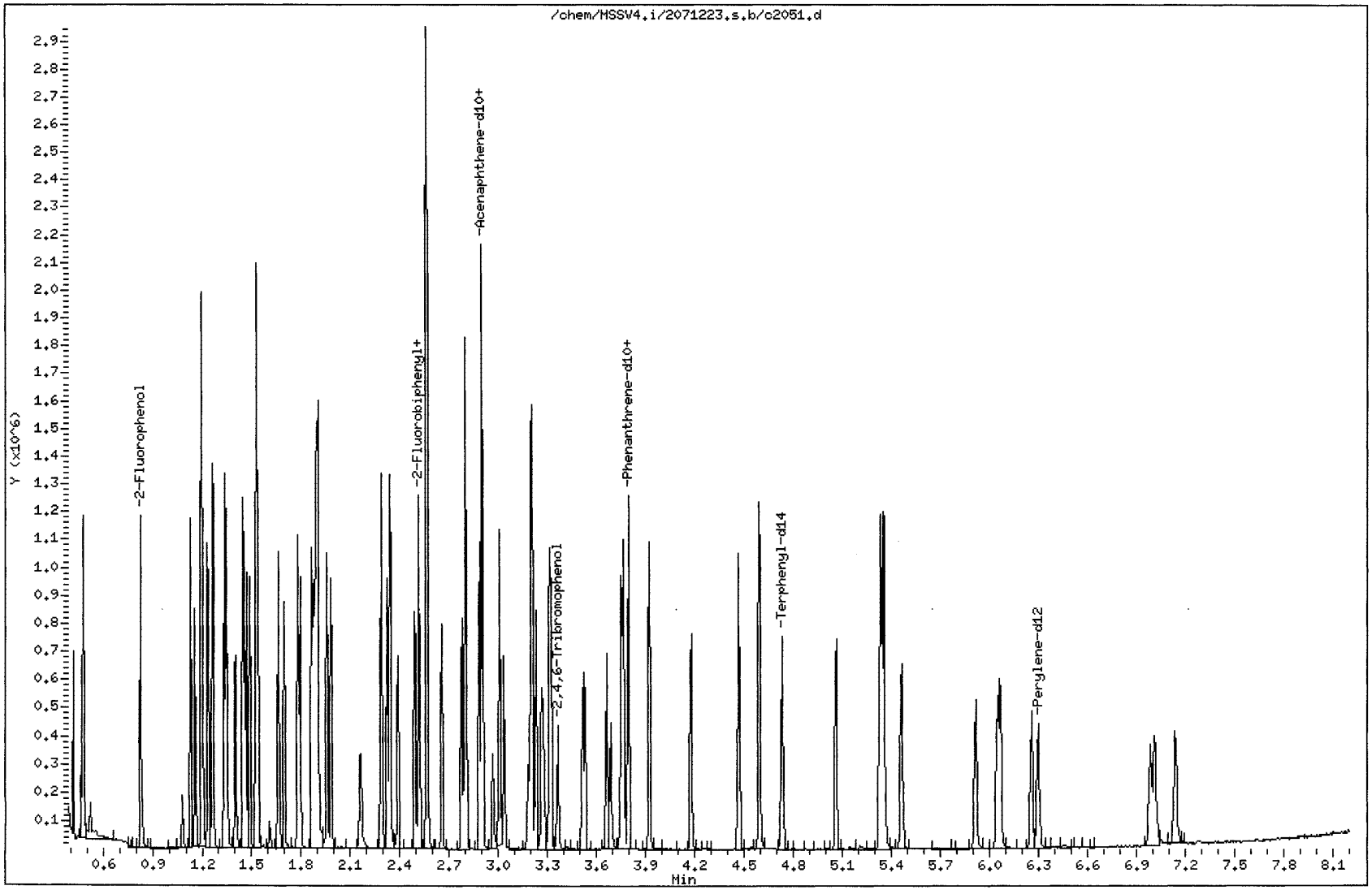
Sample Info: 1205*35-10-12

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

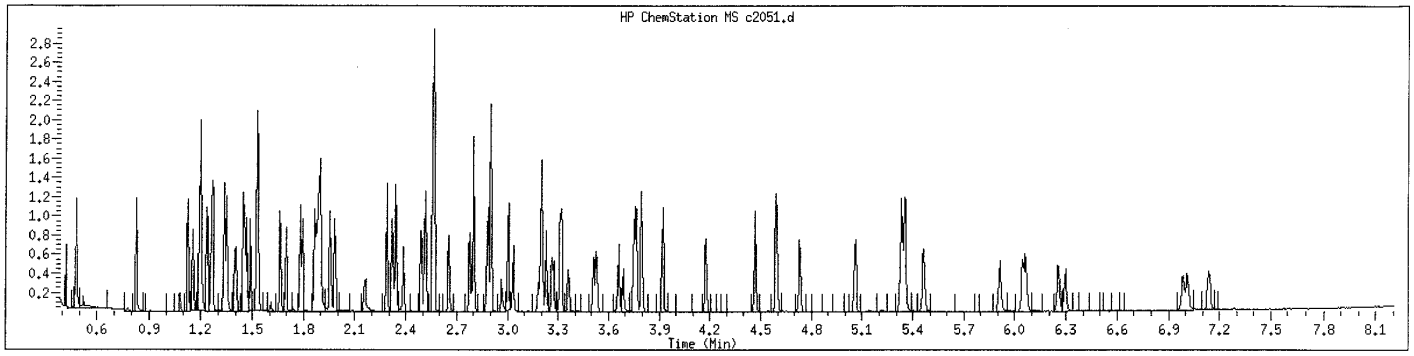
Column diameter: 0.25



Data file : /var/chem/MSSV4.i/2071223.s.b/c2051.d Page: 1
Report Date: 12/24/2007 09:34

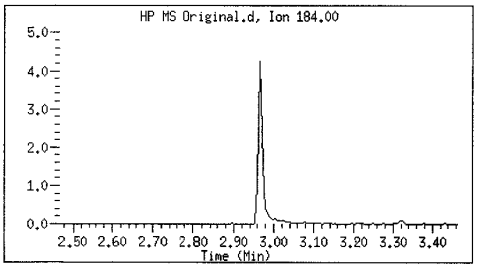
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 12/23/2007 13:33	Instrument	: MSSV4.i
Operator	: rrr		
Sample Info	: 1205*35-10-12		
Misc Info	: STD050*MSSV~4727~*		
Method	: /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8270C



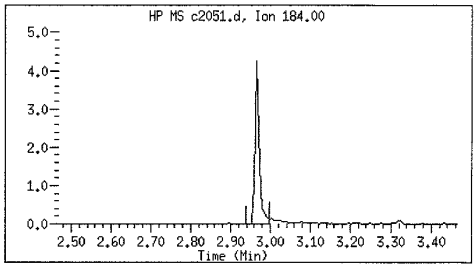
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



Electronic Signature Applied

User: rrr
Date: 12/24/2007 05:21



M1 - Target system did not integrate

169172

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2053.d
Lab Smp Id: 1206 Client Smp ID: STD080
Inj Date : 23-DEC-2007 14:12
Operator : rrr Inst ID: MSSV4.i
Smp Info : 1206*35-10-14
Misc Info : STD080*MSSV~4727~*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:33 rrr Quant Type: ISTD
Cal Date : 23-DEC-2007 14:12 Cal File: c2053.d
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	2 Pyridine	79	0.478	0.478	(0.380)	337374	80.0000	80.5
	1 n-Nitrosodimethylamine	42	0.472	0.472	(0.375)	95160	80.0000	77.9
$	3 2-Fluorophenol	112	0.825	0.825	(0.656)	249287	80.0000	71.2
$	4 Phenol-d5	99	1.184	1.184	(0.941)	370935	80.0000	77.8
	5 Aniline	93	1.130	1.130	(0.898)	482427	80.0000	82.4
	6 Phenol +	94	1.189	1.189	(0.945)	417446	80.0000	85.8
	7 bis(-2-Chloroethyl)Ether	63	1.157	1.157	(0.919)	204871	80.0000	79.7
	8 2-Chlorophenol	128	1.195	1.195	(0.949)	286260	80.0000	86.4
	9 1,3-Dichlorobenzene	146	1.237	1.237	(0.983)	300564	80.0000	82.2
*	10 1,4-Dichlorobenzene-d4	152	1.259	1.259	(1.000)	93442	40.0000	
	11 1,4-Dichlorobenzene +	146	1.269	1.269	(1.008)	299149	80.0000	80.9
	12 Benzyl alcohol	108	1.350	1.350	(1.072)	185880	80.0000	81.3
	13 1,2-Dichlorobenzene	146	1.334	1.334	(1.059)	288472	80.0000	81.1

169173

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	15 2-Methylphenol	108	1.446	1.446	(1.149)	270303	80.0000	82.9
	14 Bis(2-chloroisopropyl)ether	45	1.403	1.403	(1.115)	364878	80.0000	81.1
	17 3- & 4-Methylphenol	108	1.526	1.526	(1.212)	273595	80.0000	79.0
	16 N-Nitroso-di-n-propylamine++	70	1.473	1.473	(1.170)	227312	80.0000	83.6
	18 Hexachloroethane	117	1.489	1.489	(1.183)	120812	80.0000	79.8
$	19 Nitrobenzene-d5	82	1.526	1.526	(0.808)	311703	80.0000	79.0
	20 Nitrobenzene	77	1.537	1.537	(0.813)	460559	80.0000	80.1
	21 Isophorone	82	1.665	1.665	(0.881)	602360	80.0000	82.0
	22 2-Nitrophenol +	139	1.697	1.697	(0.898)	149821	80.0000	82.3
	23 2,4-Dimethyphenol	107	1.778	1.778	(0.941)	303839	80.0000	80.7
	24 bis(-2-Chloroethoxy)methane	93	1.794	1.794	(0.949)	356756	80.0000	82.0
	25 Benzoic Acid	122	1.922	1.922	(1.017)	134267	80.0000	89.5
	26 2,4-Dichlorophenol +	162	1.874	1.874	(0.992)	211985	80.0000	82.2
	27 1,2,4-Trichlorobenzene	180	1.863	1.863	(0.986)	230495	80.0000	80.3
*	28 Naphthalene-d8	136	1.890	1.890	(1.000)	366579	40.0000	
	29 Naphthalene	128	1.901	1.901	(1.006)	743779	80.0000	78.2
	30 4-Chloroaniline	127	1.954	1.954	(1.034)	297422	80.0000	81.3
	31 Hexachlorobutadiene +	225	1.981	1.981	(1.048)	128177	80.0000	84.1
	32 4-Chloro-3-Methylphenol +	107	2.318	2.318	(1.226)	230474	80.0000	77.7
	33 2-Methylnaphthalene	142	2.286	2.286	(1.209)	491516	80.0000	79.9
	145 1-Methylnapthalene	142	2.339	2.339	(1.238)	437497	80.0000	77.8
	34 Hexachlorocyclopentadiene ++	237	2.387	2.387	(0.828)	137868	80.0000	82.0
	35 2,4,6-Trichlorophenol +	196	2.494	2.494	(0.865)	139610	80.0000	81.2
	36 2,4,5-Trichlorphenol	196	2.558	2.558	(0.887)	152129	80.0000	82.8
$	37 2-Fluorobiphenyl	172	2.516	2.516	(0.872)	469504	80.0000	78.9
	38 2-Chloronaphthalene	162	2.564	2.564	(0.889)	429174	80.0000	78.3
	39 2-Nitroaniline	138	2.655	2.655	(0.920)	151185	80.0000	80.8
	40 Dimethylphthalate	163	2.778	2.778	(0.963)	417713	80.0000	79.4
	41 2,6-Dinitrotoluene	165	2.804	2.804	(0.972)	100938	80.0000	80.2
	42 Acenaphthylene	152	2.799	2.799	(0.970)	667858	80.0000	78.7
	43 3-Nitroaniline	138	2.901	2.901	(1.006)	115365	80.0000	80.2
*	44 Acenaphthene-d10	164	2.885	2.885	(1.000)	186259	40.0000	
	45 Acenaphthene +	153	2.901	2.901	(1.006)	406115	80.0000	78.4
	46 2,4-Dinitrophenol ++	184	2.965	2.965	(1.028)	61089	80.0000	85.7(M1)
	49 4-Nitrophenol ++	109	3.174	3.174	(1.100)	69737	80.0000	80.2(H)
	47 Dibenzofuran	168	3.008	3.008	(1.043)	590326	80.0000	80.1
	48 2,4-Dinitrotoluene	165	3.034	3.034	(1.052)	130757	80.0000	84.5
	50 Diethylphthalate	149	3.200	3.200	(1.109)	385758	80.0000	81.0
	52 4-Chlorophenyl-phenylether	204	3.232	3.232	(1.121)	199809	80.0000	81.6
	51 Fluorene	166	3.206	3.206	(1.111)	436277	80.0000	79.0
	53 4-Nitroaniline	138	2.901	2.901	(1.006)	115366	80.0000	80.2
	54 4,6-Dinitro-o-cresol	198	3.280	3.280	(0.875)	85990	80.0000	84.4
	55 N-nitrosodiphenylamine (1)+	169	3.313	3.313	(0.883)	290042	80.0000	80.4
	56 Azobenzene	77	3.323	3.323	(0.886)	642750	80.0000	78.6
$	57 2,4,6-Tribromophenol	332	3.366	3.366	(1.167)	42996	80.0000	83.5
	58 4-Bromophenyl-phenylether	248	3.516	3.516	(0.937)	87683	80.0000	82.1
	59 Hexachlorobenzene	284	3.532	3.532	(0.942)	100293	80.0000	83.5

169174

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	3.687	3.687	(0.983)	58463	80.0000	80.5
*	61 Phenanthrene-d10	188	3.751	3.751	(1.000)	287295	40.0000	
	62 Phenanthrene	178	3.767	3.767	(1.004)	572290	80.0000	77.4
	63 Anthracene	178	3.794	3.794	(1.011)	577228	80.0000	78.5
	64 Carbazole	167	3.922	3.922	(1.046)	503569	80.0000	76.7
	65 Di-n-butylphthalate	149	4.179	4.179	(1.114)	589465	80.0000	80.3
	67 Fluoranthene +	202	4.468	4.468	(1.191)	547557	80.0000	81.8
	68 Benzidine	184	4.591	4.591	(0.860)	141151	80.0000	76.3
	69 Pyrene	202	4.596	4.596	(0.861)	566409	80.0000	77.9
$	70 Terphenyl-d14	244	4.730	4.730	(0.886)	318907	80.0000	79.7
	71 Butylbenzylphthalate	149	5.062	5.062	(0.948)	249852	80.0000	80.5
	73 3,3'-Dichlorobenzidine	252	5.356	5.356	(1.003)	149685	80.0000	83.4
	72 Benzo(a)anthracene	228	5.329	5.329	(0.998)	470376	80.0000	82.4
*	74 Chrysene-d12	240	5.340	5.340	(1.000)	184372	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.463	5.463	(1.023)	321116	80.0000	81.6
	75 Chrysene	228	5.356	5.356	(1.003)	429500	80.0000	77.4
	77 Di-n-octylphthalate +	149	5.912	5.912	(1.107)	493344	80.0000	80.9(H)
	78 Benzo(b)fluoranthene	252	6.051	6.051	(0.961)	372795	80.0000	80.1
	79 Benzo(k)fluoranthene	252	6.067	6.067	(0.963)	435070	80.0000	87.6
	80 Benzo(a)pyrene +	252	6.260	6.260	(0.994)	340480	80.0000	83.0
*	81 Perylene-d12	264	6.297	6.297	(1.000)	134193	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	6.987	6.987	(1.308)	290762	80.0000	76.2
	83 Dibenzo(a,h)anthracene	278	7.014	7.014	(1.114)	268331	80.0000	78.6
	84 Benzo(g,h,i)perylene	276	7.142	7.142	(1.134)	308080	80.0000	78.3
M	66 Total Methylphenol	108				543898	160.000	162
	91 Acetophenone	105	1.457	1.457	(1.157)	180008	80.0000	81.8
	155 Benzaldehyde	77	1.082	1.082	(0.860)	49402	80.0000	84.7
	156 Caprolactam	113	2.173	2.173	(1.150)	64035	80.0000	79.5
	157 Biphenyl	154	2.569	2.569	(1.359)	541158	80.0000	81.5
	158 Atrazine	200	3.666	3.666	(0.977)	95374	80.0000	81.9
	174 1,4-Dioxane	88	0.419	0.419	(0.333)	125988	80.0000	81.1

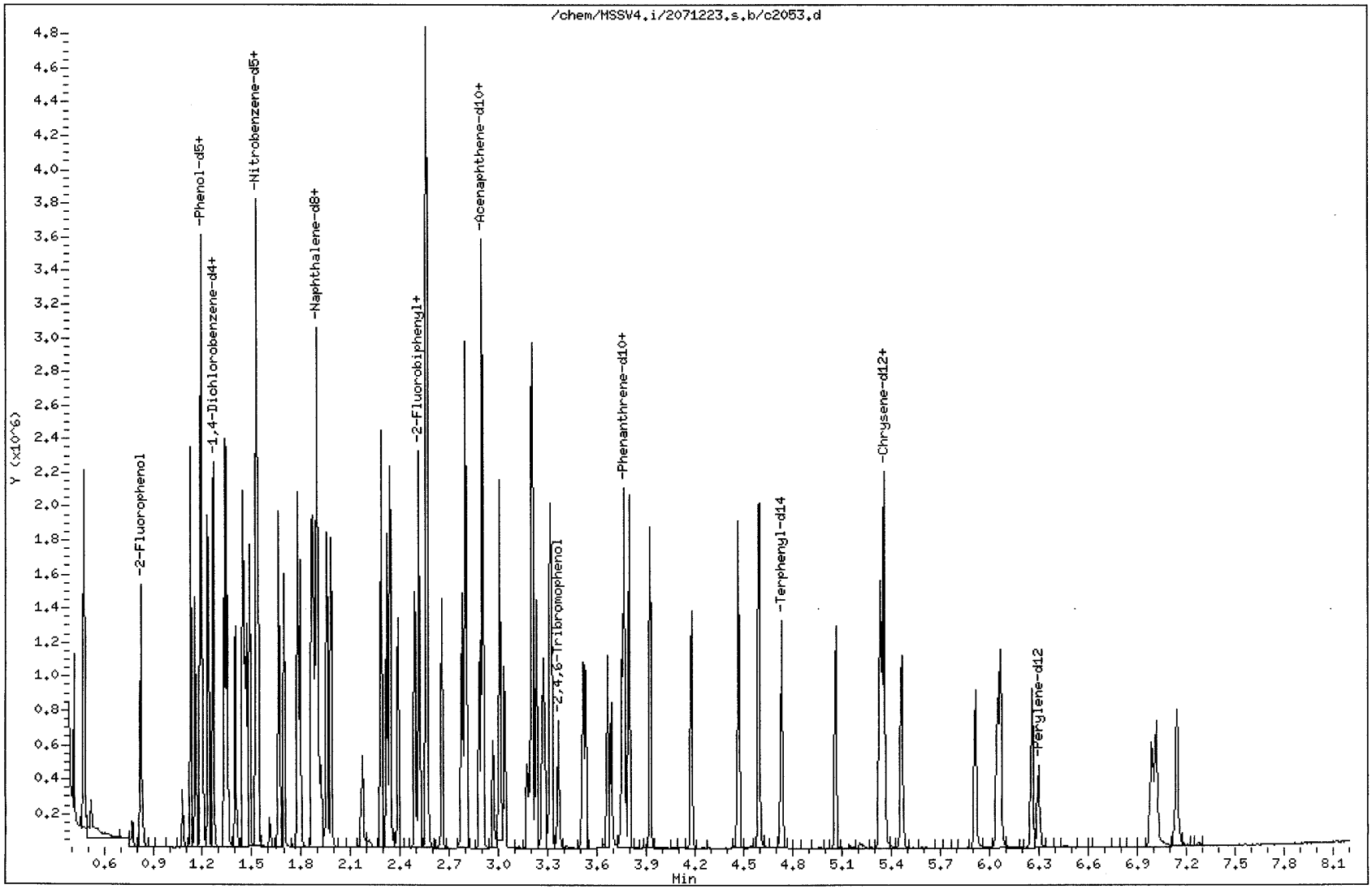
QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

169175

Data File: /chem/MSSV4.i/2071223.s.b/c2053.d
Date : 23-DEC-2007 14:12
Client ID: STD080
Sample Info: 1206*35-10-14
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

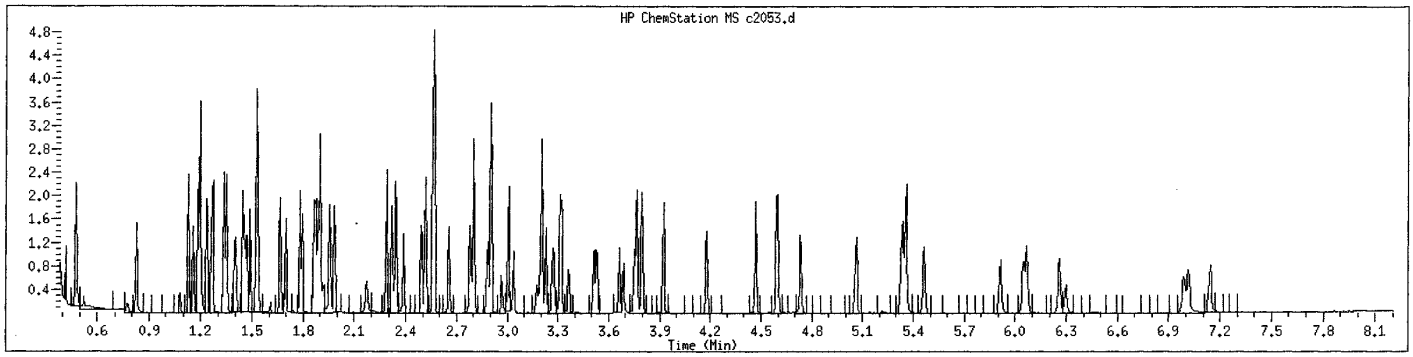
Instrument: MSSV4.i
Operator: rrr
Column diameter: 0.25



Data file : /var/chem/MSSV4.i/2071223.s.b/c2053.d Page: 1
Report Date: 12/24/2007 09:33

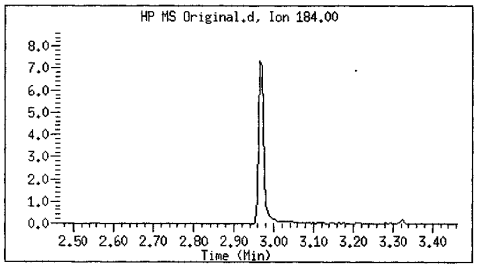
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1206	SampleType	: CALIB_6
Injection Date	: 12/23/2007 14:12	Instrument	: MSSV4.i
Operator	: rrr		
Sample Info	: 1206*35-10-14		
Misc Info	: STD080*MSSV~4727~*		
Method	: /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist:	8270C



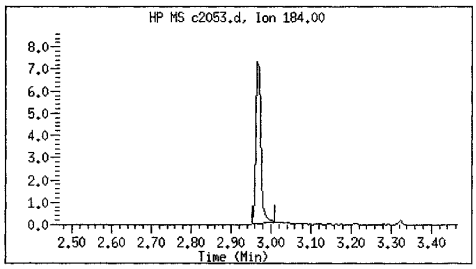
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



Electronic Signature
Applied

User: rrr
Date: 12/24/2007 05:30



M1 - Target system did not integrate

169177

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2054.d
Lab Smp Id: 1207 Client Smp ID: STD120
Inj Date : 23-DEC-2007 14:27
Operator : rrr Inst ID: MSSV4.i
Smp Info : 1207*35-10-15
Misc Info : STD120*MSSV~4727~*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:33 rrr Quant Type: ISTD
Cal Date : 07-NOV-2007 03:58 Cal File: c0248.d
Als bottle: 5 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	2	Pyridine	79	0.478	0.478	(0.380)	428218	120.000	120
	1	n-Nitrosodimethylamine	42	0.472	0.472	(0.375)	131336	120.000	119
$	3	2-Fluorophenol	112	0.825	0.825	(0.656)	342265	120.000	114
$	4	Phenol-d5	99	1.184	1.184	(0.941)	388107	120.000	94.8
	5	Aniline	93	1.130	1.130	(0.898)	587683	120.000	117
	6	Phenol +	94	1.189	1.189	(0.945)	492507	120.000	118
	7	bis(-2-Chloroethyl)Ether	63	1.157	1.157	(0.919)	247585	120.000	112
	8	2-Chlorophenol	128	1.195	1.195	(0.949)	338465	120.000	119
	9	1,3-Dichlorobenzene	146	1.237	1.237	(0.983)	383567	120.000	122
*	10	1,4-Dichlorobenzene-d4	152	1.259	1.259	(1.000)	80259	40.0000	
	11	1,4-Dichlorobenzene +	146	1.269	1.269	(1.008)	383705	120.000	121
	12	Benzyl alcohol	108	1.350	1.350	(1.072)	230352	120.000	117
	13	1,2-Dichlorobenzene	146	1.334	1.334	(1.059)	364617	120.000	119

169178

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	15 2-Methylphenol	108	1.446	1.446	(1.149)	325309	120.000	116
	14 Bis(2-chloroisopropyl)ether	45	1.403	1.403	(1.115)	455793	120.000	118
	17 3- & 4-Methylphenol	108	1.526	1.526	(1.212)	334192	120.000	112
	16 N-Nitroso-di-n-propylamine++	70	1.473	1.473	(1.170)	275286	120.000	118
	18 Hexachloroethane	117	1.489	1.489	(1.183)	152031	120.000	117
$	19 Nitrobenzene-d5	82	1.526	1.526	(0.808)	378337	120.000	117
	20 Nitrobenzene	77	1.537	1.537	(0.813)	556312	120.000	118
	21 Isophorone	82	1.665	1.665	(0.881)	710771	120.000	118
	22 2-Nitrophenol +	139	1.697	1.697	(0.898)	186382	120.000	125
	23 2,4-Dimethyphenol	107	1.783	1.783	(0.943)	365833	120.000	119
	24 bis(-2-Chloroethoxy)methane	93	1.794	1.794	(0.949)	430254	120.000	121
	25 Benzoic Acid	122	1.927	1.927	(1.020)	152147	120.000	124
	26 2,4-Dichlorophenol +	162	1.874	1.874	(0.992)	253219	120.000	120
	27 1,2,4-Trichlorobenzene	180	1.868	1.868	(0.989)	286070	120.000	122
*	28 Naphthalene-d8	136	1.890	1.890	(1.000)	300572	40.0000	
	29 Naphthalene	128	1.901	1.901	(1.006)	895689	120.000	115
	30 4-Chloroaniline	127	1.959	1.959	(1.037)	363472	120.000	121
	31 Hexachlorobutadiene +	225	1.986	1.986	(1.051)	160498	120.000	128
	32 4-Chloro-3-Methylphenol +	107	2.318	2.318	(1.226)	284923	120.000	117
	33 2-Methylnaphthalene	142	2.291	2.291	(1.212)	581596	120.000	115
	145 1-Methylnapthalene	142	2.344	2.344	(1.241)	548613	120.000	119
	34 Hexachlorocyclopentadiene ++	237	2.387	2.387	(0.828)	170797	120.000	126
	35 2,4,6-Trichlorophenol +	196	2.494	2.494	(0.865)	170464	120.000	123
	36 2,4,5-Trichlorphenol	196	2.558	2.558	(0.887)	180577	120.000	122
$	37 2-Fluorobiphenyl	172	2.516	2.516	(0.872)	575027	120.000	120
	38 2-Chloronaphthalene	162	2.564	2.564	(0.889)	521166	120.000	118
	39 2-Nitroaniline	138	2.655	2.655	(0.920)	185480	120.000	123
	40 Dimethylphthalate	163	2.778	2.778	(0.963)	494304	120.000	116
	41 2,6-Dinitrotoluene	165	2.804	2.804	(0.972)	119754	120.000	118
	42 Acenaphthylene	152	2.799	2.799	(0.970)	809227	120.000	118
	43 3-Nitroaniline	138	2.906	2.906	(1.007)	137213	120.000	118
*	44 Acenaphthene-d10	164	2.885	2.885	(1.000)	150465	40.0000	
	45 Acenaphthene +	153	2.906	2.906	(1.007)	486685	120.000	116
	46 2,4-Dinitrophenol ++	184	2.970	2.970	(1.030)	74208	120.000	129(M1)
	49 4-Nitrophenol ++	109	3.174	3.174	(1.100)	86374	120.000	123(H)
	47 Dibenzofuran	168	3.008	3.008	(1.043)	695869	120.000	117
	48 2,4-Dinitrotoluene	165	3.040	3.040	(1.054)	151966	120.000	122
	50 Diethylphthalate	149	3.206	3.206	(1.111)	450935	120.000	117
	52 4-Chlorophenyl-phenylether	204	3.232	3.232	(1.121)	237325	120.000	120
	51 Fluorene	166	3.206	3.206	(1.111)	514848	120.000	115
	53 4-Nitroaniline	138	2.906	2.906	(1.007)	137214	120.000	118
	54 4,6-Dinitro-o-cresol	198	3.280	3.280	(0.875)	99710	120.000	124
	55 N-nitrosodiphenylamine (1)+	169	3.313	3.313	(0.883)	339510	120.000	119
	56 Azobenzene	77	3.323	3.323	(0.886)	750818	120.000	116
$	57 2,4,6-Tribromophenol	332	3.366	3.366	(1.167)	51279	120.000	123
	58 4-Bromophenyl-phenylether	248	3.516	3.516	(0.937)	99689	120.000	118
	59 Hexachlorobenzene	284	3.532	3.532	(0.942)	115594	120.000	122

169179

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	3.687	3.687	(0.983)	70253	120.000	122
*	61 Phenanthrene-d10	188	3.751	3.751	(1.000)	227335	40.0000	
	62 Phenanthrene	178	3.767	3.767	(1.004)	673151	120.000	115
	63 Anthracene	178	3.799	3.799	(1.013)	704101	120.000	121
	64 Carbazole	167	3.922	3.922	(1.046)	620347	120.000	119
	65 Di-n-butylphthalate	149	4.179	4.179	(1.114)	704083	120.000	121
	67 Fluoranthene +	202	4.468	4.468	(1.191)	627682	120.000	119
	68 Benzidine	184	4.591	4.591	(0.860)	170918	120.000	119
	69 Pyrene	202	4.596	4.596	(0.861)	662713	120.000	117
$	70 Terphenyl-d14	244	4.735	4.735	(0.887)	381427	120.000	123
	71 Butylbenzylphthalate	149	5.062	5.062	(0.948)	282838	120.000	117
	73 3,3'-Dichlorobenzidine	252	5.356	5.356	(1.003)	178123	120.000	128
	72 Benzo(a)anthracene	228	5.334	5.334	(0.999)	536923	120.000	121
*	74 Chrysene-d12	240	5.340	5.340	(1.000)	143343	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.463	5.463	(1.023)	360516	120.000	118
	75 Chrysene	228	5.356	5.356	(1.003)	500621	120.000	116
	77 Di-n-octylphthalate +	149	5.912	5.912	(1.107)	571759	120.000	121(H)
	78 Benzo(b)fluoranthene	252	6.051	6.051	(0.961)	538884	120.000	129
	79 Benzo(k)fluoranthene	252	6.072	6.072	(0.964)	497789	120.000	111
	80 Benzo(a)pyrene +	252	6.260	6.260	(0.994)	451197	120.000	122
*	81 Perylene-d12	264	6.297	6.297	(1.000)	120796	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	6.992	6.992	(1.310)	410765	120.000	125
	83 Dibenzo(a,h)anthracene	278	7.019	7.019	(1.115)	405814	120.000	123
	84 Benzo(g,h,i)perylene	276	7.148	7.148	(1.135)	469527	120.000	123
M	66 Total Methylphenol	108				659501	240.000	228(A)
	91 Acetophenone	105	1.462	1.462	(1.161)	219358	120.000	116
	155 Benzaldehyde	77	1.082	1.082	(0.860)	52835	120.000	118
	156 Caprolactam	113	2.179	2.179	(1.153)	77763	120.000	118
	157 Biphenyl	154	2.569	2.569	(1.359)	633528	120.000	116
	158 Atrazine	200	3.666	3.666	(0.977)	108978	120.000	118
	174 1,4-Dioxane	88	0.419	0.419	(0.333)	154339	120.000	116

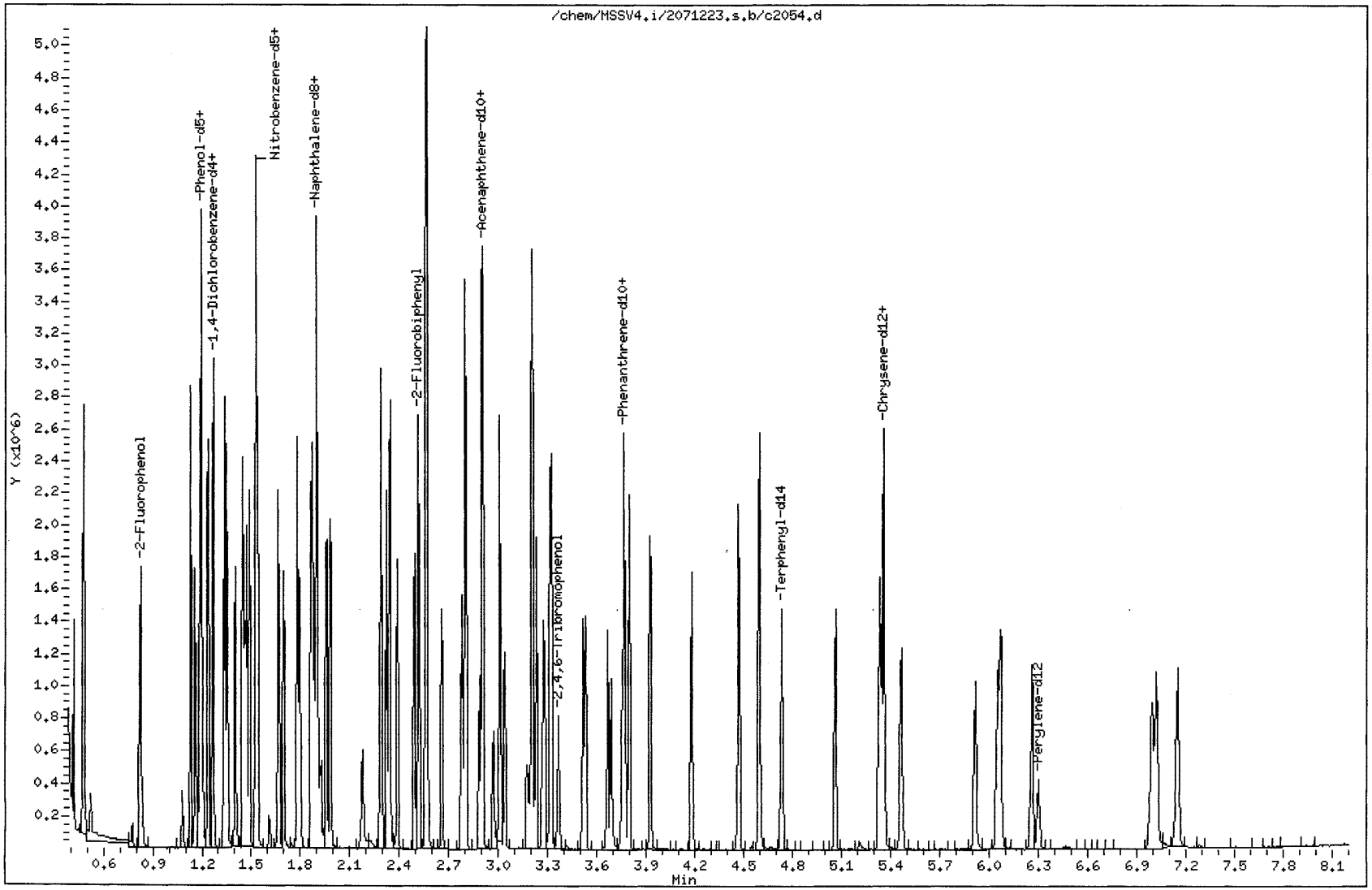
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M1- Compound response manually integrated because Target system did not integrate.
H - Operator selected an alternate compound hit.

169180

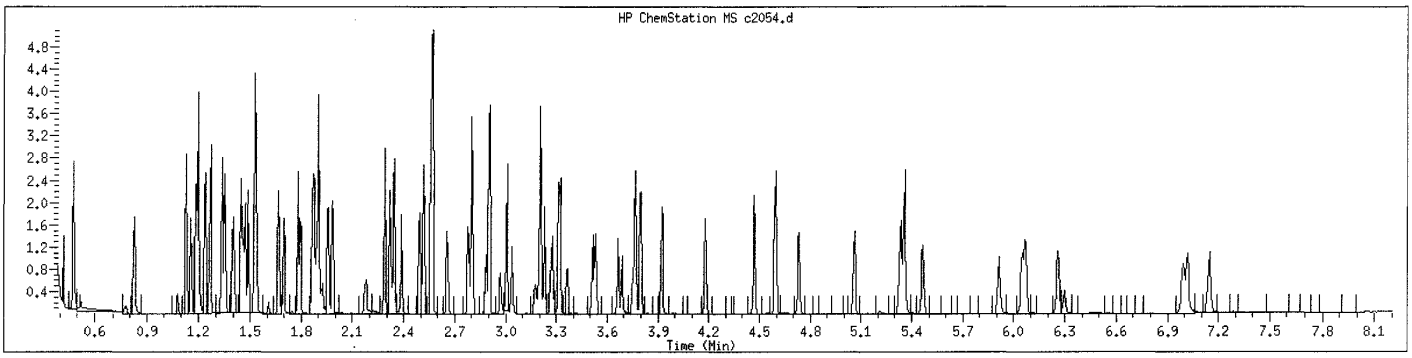
Data File: /chem/MSSV4.i/2071223.s.b/c2054.d
Date : 23-DEC-2007 14:27
Client ID: STD120
Sample Info: 1207*35-10-15
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV4.i
Operator: rrr
Column diameter: 0.25



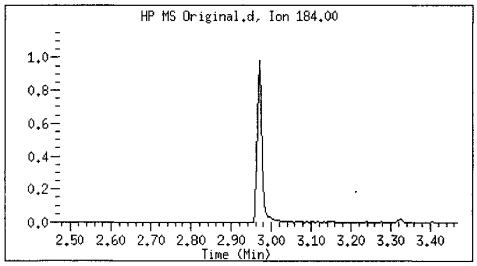
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1207	SampleType	: CALIB_7
Injection Date	: 12/23/2007 14:27	Instrument	: MSSV4.i
Operator	: rrr		
Sample Info	: 1207*35-10-15		
Misc Info	: STD120*MSSV~4727~*		
Method	: /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8270C



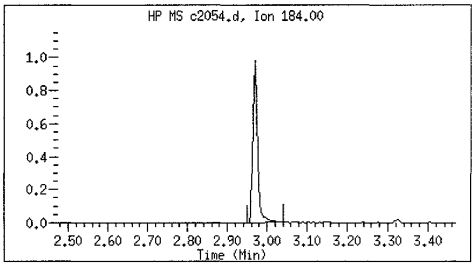
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



Electronic Signature Applied

User: rrr
Date: 12/24/2007 06:21



M1 - Target system did not integrate

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2055.d
Lab Smp Id: 1208 Client Smp ID: STD160
Inj Date : 23-DEC-2007 14:41
Operator : rrr Inst ID: MSSV4.i
Smp Info : 1208*35-10-16
Misc Info : STD160*MSSV~4727~*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:33 rrr Quant Type: ISTD
Cal Date : 07-NOV-2007 04:13 Cal File: c0249.d
Als bottle: 6 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	2 Pyridine	79	0.483	0.483	(0.382)	506055	160.000	111
	1 n-Nitrosodimethylamine	42	0.472	0.472	(0.374)	233028	160.000	153
$	3 2-Fluorophenol	112	0.820	0.820	(0.649)	691423	160.000	180
$	4 Phenol-d5	99	1.178	1.178	(0.932)	924654	160.000	177
	5 Aniline	93	1.136	1.136	(0.898)	961689	160.000	150
	6 Phenol +	94	1.184	1.184	(0.937)	804346	160.000	151
	7 bis(-2-Chloroethyl)Ether	63	1.162	1.162	(0.920)	413254	160.000	147
	8 2-Chlorophenol	128	1.200	1.200	(0.949)	559634	160.000	154
	9 1,3-Dichlorobenzene	146	1.237	1.237	(0.979)	599061	160.000	149
*	10 1,4-Dichlorobenzene-d4	152	1.264	1.264	(1.000)	102478	40.0000	
	11 1,4-Dichlorobenzene +	146	1.269	1.269	(1.004)	603556	160.000	149
	12 Benzyl alcohol	108	1.355	1.355	(1.072)	385097	160.000	154
	13 1,2-Dichlorobenzene	146	1.339	1.339	(1.059)	593049	160.000	152

169183

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	15 2-Methylphenol	108	1.446	1.446	(1.144)	532667	160.000	149
	14 Bis(2-chloroisopropyl)ether	45	1.403	1.403	(1.110)	737253	160.000	149
	17 3- & 4-Methylphenol	108	1.526	1.526	(1.207)	569458	160.000	150
	16 N-Nitroso-di-n-propylamine++	70	1.478	1.478	(1.169)	432928	160.000	145
	18 Hexachloroethane	117	1.489	1.489	(1.178)	246214	160.000	148
$	19 Nitrobenzene-d5	82	1.531	1.531	(0.810)	606657	160.000	146
	20 Nitrobenzene	77	1.542	1.542	(0.816)	751261	160.000	124
	21 Isophorone	82	1.671	1.671	(0.884)	1110962	160.000	144
	22 2-Nitrophenol +	139	1.703	1.703	(0.901)	300625	160.000	157
	23 2,4-Dimethyphenol	107	1.783	1.783	(0.943)	581968	160.000	147
	24 bis(-2-Chloroethoxy)methane	93	1.799	1.799	(0.952)	682980	160.000	149
	25 Benzoic Acid	122	1.943	1.943	(1.028)	246678	160.000	156
	26 2,4-Dichlorophenol +	162	1.874	1.874	(0.992)	403434	160.000	148
	27 1,2,4-Trichlorobenzene	180	1.868	1.868	(0.989)	462928	160.000	153
*	28 Naphthalene-d8	136	1.890	1.890	(1.000)	385983	40.0000	
	29 Naphthalene	128	1.901	1.901	(1.006)	1461415	160.000	146
	30 4-Chloroaniline	127	1.959	1.959	(1.037)	549230	160.000	143
	31 Hexachlorobutadiene +	225	1.986	1.986	(1.051)	262674	160.000	164
	32 4-Chloro-3-Methylphenol +	107	2.318	2.318	(1.226)	419511	160.000	134
	33 2-Methylnaphthalene	142	2.291	2.291	(1.212)	927634	160.000	143
	145 1-Methylnapthalene	142	2.344	2.344	(1.241)	871196	160.000	147
	34 Hexachlorocyclopentadiene ++	237	2.387	2.387	(0.828)	283497	160.000	175
	35 2,4,6-Trichlorophenol +	196	2.494	2.494	(0.865)	258557	160.000	156
	36 2,4,5-Trichlorphenol	196	2.558	2.558	(0.887)	288149	160.000	163
$	37 2-Fluorobiphenyl	172	2.521	2.521	(0.874)	922970	160.000	161
	38 2-Chloronaphthalene	162	2.569	2.569	(0.891)	805317	160.000	152
	39 2-Nitroaniline	138	2.660	2.660	(0.922)	276490	160.000	153
	40 Dimethylphthalate	163	2.783	2.783	(0.965)	749627	160.000	148
	41 2,6-Dinitrotoluene	165	2.810	2.810	(0.974)	184244	160.000	152
	42 Acenaphthylene	152	2.799	2.799	(0.970)	1277882	160.000	156
	43 3-Nitroaniline	138	2.911	2.911	(1.009)	205294	160.000	148
*	44 Acenaphthene-d10	164	2.885	2.885	(1.000)	179561	40.0000	
	45 Acenaphthene +	153	2.906	2.906	(1.007)	743386	160.000	149
	46 2,4-Dinitrophenol ++	184	2.976	2.976	(1.032)	119240	160.000	174(M1)
	49 4-Nitrophenol ++	109	3.168	3.168	(1.098)	128967	160.000	154(H)
	47 Dibenzofuran	168	3.008	3.008	(1.043)	1090563	160.000	153
	48 2,4-Dinitrotoluene	165	3.045	3.045	(1.056)	226472	160.000	152
	50 Diethylphthalate	149	3.206	3.206	(1.111)	663015	160.000	144
	52 4-Chlorophenyl-phenylether	204	3.232	3.232	(1.121)	371293	160.000	157
	51 Fluorene	166	3.211	3.211	(1.113)	775456	160.000	146
	53 4-Nitroaniline	138	2.911	2.911	(1.009)	205294	160.000	148
	54 4,6-Dinitro-o-cresol	198	3.286	3.286	(0.875)	147314	160.000	164
	55 N-nitrosodiphenylamine (1)+	169	3.318	3.318	(0.883)	512125	160.000	161
	56 Azobenzene	77	3.323	3.323	(0.885)	1133674	160.000	157
$	57 2,4,6-Tribromophenol	332	3.366	3.366	(1.167)	76197	160.000	153
	58 4-Bromophenyl-phenylether	248	3.516	3.516	(0.936)	151341	160.000	160
	59 Hexachlorobenzene	284	3.532	3.532	(0.940)	186127	160.000	176

169184

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	3.692	3.692	(0.983)	112425	160.000	175
*	61 Phenanthrene-d10	188	3.756	3.756	(1.000)	253567	40.0000	
	62 Phenanthrene	178	3.773	3.773	(1.004)	1013756	160.000	155
	63 Anthracene	178	3.799	3.799	(1.011)	1042134	160.000	161
	64 Carbazole	167	3.928	3.928	(1.046)	897791	160.000	155
	65 Di-n-butylphthalate	149	4.179	4.179	(1.112)	1031111	160.000	159
	67 Fluoranthene +	202	4.473	4.473	(1.191)	906966	160.000	154
	68 Benzidine	184	4.591	4.591	(0.860)	217921	160.000	145
	69 Pyrene	202	4.596	4.596	(0.861)	929235	160.000	157
$	70 Terphenyl-d14	244	4.735	4.735	(0.887)	530312	160.000	163
	71 Butylbenzylphthalate	149	5.062	5.062	(0.948)	390488	160.000	155
	73 3,3'-Dichlorobenzidine	252	5.361	5.361	(1.004)	232333	160.000	159
	72 Benzo(a)anthracene	228	5.334	5.334	(0.999)	685040	160.000	148
*	74 Chrysene-d12	240	5.340	5.340	(1.000)	149913	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.463	5.463	(1.023)	486317	160.000	152
	75 Chrysene	228	5.356	5.356	(1.003)	684946	160.000	152
	77 Di-n-octylphthalate +	149	5.912	5.912	(1.107)	759357	160.000	153(H)
	78 Benzo(b)fluoranthene	252	6.051	6.051	(0.960)	640062	160.000	163
	79 Benzo(k)fluoranthene	252	6.072	6.072	(0.964)	670039	160.000	160
	80 Benzo(a)pyrene +	252	6.265	6.265	(0.994)	578946	160.000	167
*	81 Perylene-d12	264	6.302	6.302	(1.000)	113075	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	6.998	6.998	(1.311)	602539	160.000	160(M2)
	83 Dibenzo(a,h)anthracene	278	7.024	7.024	(1.115)	523222	160.000	158
	84 Benzo(g,h,i)perylene	276	7.153	7.153	(1.135)	616491	160.000	160
M	66 Total Methylphenol	108				1102125	320.000	299(A)
	91 Acetophenone	105	1.467	1.467	(1.161)	365939	160.000	152
	155 Benzaldehyde	77	1.082	1.082	(0.856)	73637	160.000	135
	156 Caprolactam	113	2.200	2.200	(1.164)	113730	160.000	134
	157 Biphenyl	154	2.569	2.569	(1.359)	965685	160.000	138
	158 Atrazine	200	3.671	3.671	(0.977)	171908	160.000	167
	174 1,4-Dioxane	88	0.424	0.424	(0.336)	275045	160.000	156

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

169185

Data File: /chem/MSSV4.i/2071223.s.b/c2055.d

Date : 23-DEC-2007 14:41

Client ID: STD160

Instrument: MSSV4.i

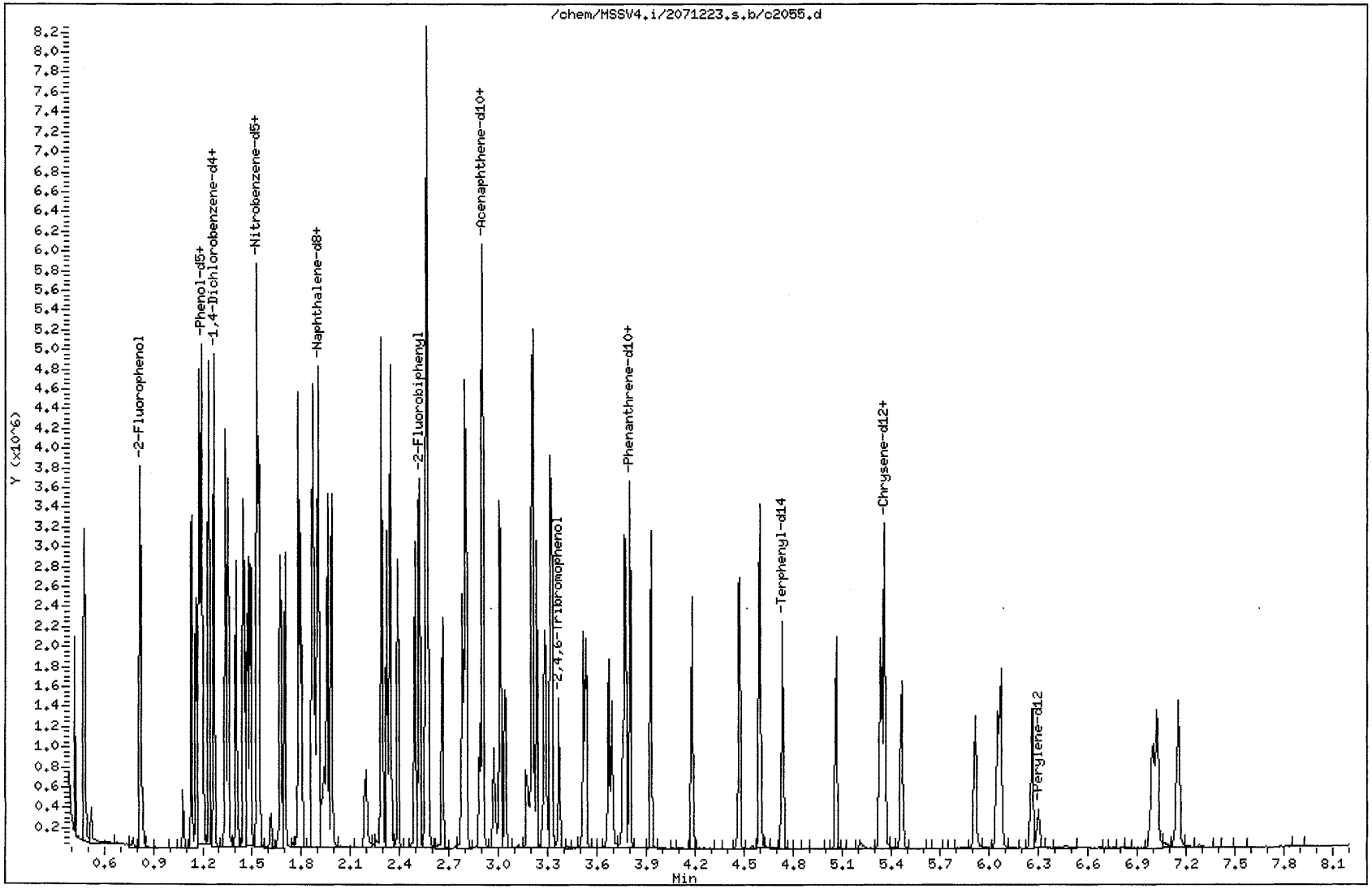
Sample Info: 1208*35-10-16

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

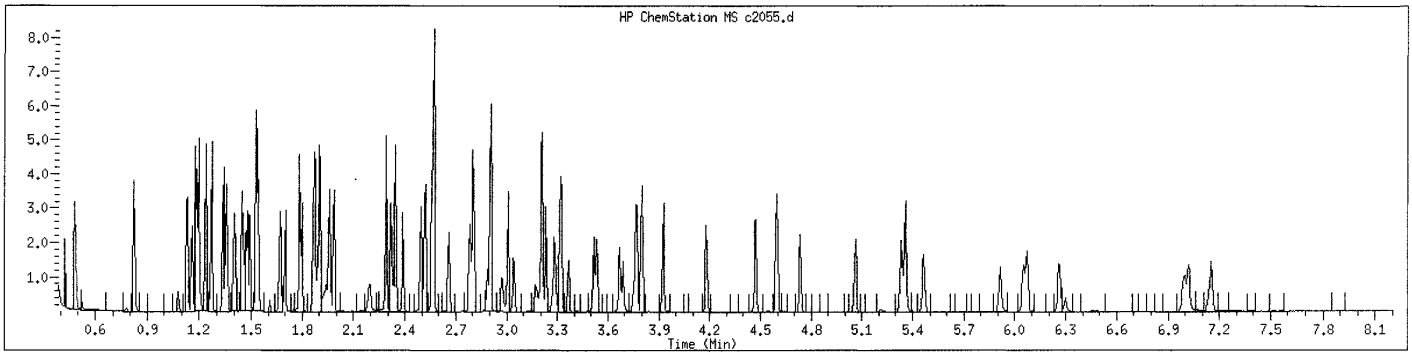
Column diameter: 0.25



Data file : /var/chem/MSSV4.i/2071223.s.b/c2055.d Page: 1
Report Date: 12/24/2007 09:33

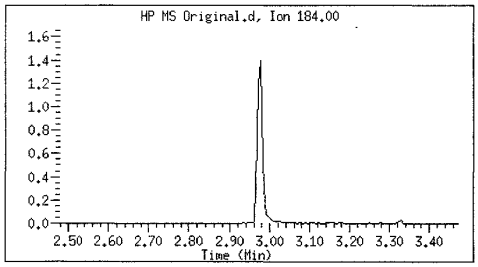
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1208 SampleType : CALIB_8
Injection Date: 12/23/2007 14:41 Instrument : MSSV4.i
Operator : rrr
Sample Info : 1208*35-10-16
Misc Info : STD160*MSSV~4727~*
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



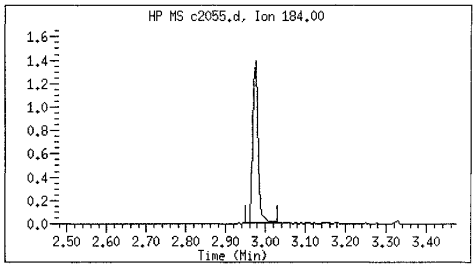
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1

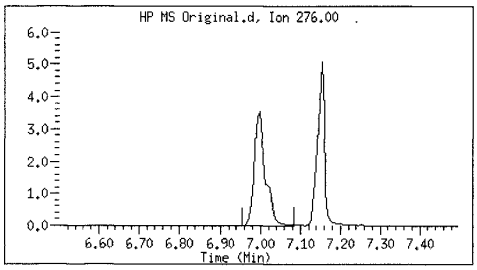


Electronic Signature Applied

User: rrr
Date: 12/24/2007 05:31

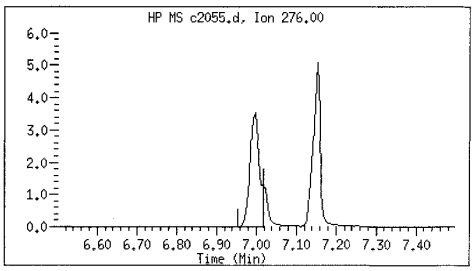


82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



Electronic Signature Applied

User: rrr
Date: 12/24/2007 05:31



686

169187

M1 - Target system did not integrate
M2 - Target system integrated incorrectly

169188

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2056.d
Lab Smp Id: 1209 Client Smp ID: STD200
Inj Date : 23-DEC-2007 14:56
Operator : rrr Inst ID: MSSV4.i
Smp Info : 1209*35-10-17
Misc Info : STD200*MSSV~4727~*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:33 rrr Quant Type: ISTD
Cal Date : 04-NOV-2007 18:15 Cal File: c0126.d
Als bottle: 7 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	2 Pyridine	79	0.483	0.483	(0.382)	618222	200.000	146
	1 n-Nitrosodimethylamine	42	0.483	0.483	(0.382)	367819	200.000	202(A)
$	3 2-Fluorophenol	112	0.825	0.825	(0.653)	685309	200.000	191
$	4 Phenol-d5	99	1.184	1.184	(0.937)	754679	200.000	154
	5 Aniline	93	1.136	1.136	(0.898)	1028860	200.000	171
	6 Phenol +	94	1.189	1.189	(0.941)	861021	200.000	173
	7 bis(-2-Chloroethyl)Ether	63	1.162	1.162	(0.920)	468280	200.000	177
	8 2-Chlorophenol	128	1.200	1.200	(0.949)	615338	200.000	181
	9 1,3-Dichlorobenzene	146	1.242	1.242	(0.983)	733125	200.000	195
*	10 1,4-Dichlorobenzene-d4	152	1.264	1.264	(1.000)	95886	40.0000	
	11 1,4-Dichlorobenzene +	146	1.275	1.275	(1.008)	755542	200.000	199
	12 Benzyl alcohol	108	1.360	1.360	(1.076)	386279	200.000	165
	13 1,2-Dichlorobenzene	146	1.339	1.339	(1.059)	688895	200.000	189

169189

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	15 2-Methylphenol	108	1.446	1.446	(1.144)	579955	200.000	173
	14 Bis(2-chloroisopropyl)ether	45	1.403	1.403	(1.110)	837288	200.000	181
	17 3- & 4-Methylphenol	108	1.526	1.526	(1.207)	607840	200.000	171
	16 N-Nitroso-di-n-propylamine++	70	1.478	1.478	(1.169)	449628	200.000	161
	18 Hexachloroethane	117	1.494	1.494	(1.182)	290369	200.000	187
$	19 Nitrobenzene-d5	82	1.537	1.537	(0.811)	659756	200.000	186
	20 Nitrobenzene	77	1.542	1.542	(0.814)	866134	200.000	167
	21 Isophorone	82	1.676	1.676	(0.884)	1193590	200.000	180
	22 2-Nitrophenol +	139	1.702	1.702	(0.898)	317922	200.000	194
	23 2,4-Dimethyphenol	107	1.783	1.783	(0.941)	602203	200.000	178
	24 bis(-2-Chloroethoxy)methane	93	1.799	1.799	(0.949)	735255	200.000	188
	25 Benzoic Acid	122	1.943	1.943	(1.025)	242121	200.000	179
	26 2,4-Dichlorophenol +	162	1.874	1.874	(0.989)	434398	200.000	187
	27 1,2,4-Trichlorobenzene	180	1.868	1.868	(0.986)	511636	200.000	198
*	28 Naphthalene-d8	136	1.895	1.895	(1.000)	330276	40.0000	
	29 Naphthalene	128	1.906	1.906	(1.006)	1614513	200.000	188
	30 4-Chloroaniline	127	1.959	1.959	(1.034)	572803	200.000	174
	31 Hexachlorobutadiene +	225	1.986	1.986	(1.048)	298755	200.000	218(A)
	32 4-Chloro-3-Methylphenol +	107	2.318	2.318	(1.223)	445223	200.000	167
	33 2-Methylnaphthalene	142	2.291	2.291	(1.209)	1001261	200.000	181
	145 1-Methylnapthalene	142	2.344	2.344	(1.237)	871754	200.000	172
	34 Hexachlorocyclopentadiene ++	237	2.387	2.387	(0.828)	307910	200.000	230(A)
	35 2,4,6-Trichlorophenol +	196	2.494	2.494	(0.865)	272851	200.000	199
	36 2,4,5-Trichlorphenol	196	2.558	2.558	(0.887)	296718	200.000	203(A)
$	37 2-Fluorobiphenyl	172	2.521	2.521	(0.874)	977136	200.000	206(A)
	38 2-Chloronaphthalene	162	2.569	2.569	(0.891)	841437	200.000	193
	39 2-Nitroaniline	138	2.660	2.660	(0.922)	281759	200.000	189
	40 Dimethylphthalate	163	2.783	2.783	(0.965)	769781	200.000	184
	41 2,6-Dinitrotoluene	165	2.810	2.810	(0.974)	190532	200.000	190
	42 Acenaphthylene	152	2.799	2.799	(0.970)	1301104	200.000	193
	43 3-Nitroaniline	138	2.911	2.911	(1.009)	205962	200.000	180
*	44 Acenaphthene-d10	164	2.885	2.885	(1.000)	148283	40.0000	
	45 Acenaphthene +	153	2.906	2.906	(1.007)	788632	200.000	191
	46 2,4-Dinitrophenol ++	184	2.975	2.975	(1.032)	119568	200.000	211(AM1)
	49 4-Nitrophenol ++	109	3.173	3.173	(1.100)	131457	200.000	190(H)
	47 Dibenzofuran	168	3.013	3.013	(1.044)	1124910	200.000	192
	48 2,4-Dinitrotoluene	165	3.045	3.045	(1.056)	231478	200.000	188
	50 Diethylphthalate	149	3.205	3.205	(1.111)	668555	200.000	176
	52 4-Chlorophenyl-phenylether	204	3.232	3.232	(1.121)	385440	200.000	198
	51 Fluorene	166	3.211	3.211	(1.113)	802734	200.000	183
	53 4-Nitroaniline	138	2.911	2.911	(1.009)	205962	200.000	180
	54 4,6-Dinitro-o-cresol	198	3.291	3.291	(0.876)	148695	200.000	207(A)
	55 N-nitrosodiphenylamine (1)+	169	3.318	3.318	(0.883)	516514	200.000	203(A)
	56 Azobenzene	77	3.323	3.323	(0.885)	1133156	200.000	196
$	57 2,4,6-Tribromophenol	332	3.366	3.366	(1.167)	79253	200.000	193
	58 4-Bromophenyl-phenylether	248	3.516	3.516	(0.936)	154611	200.000	205(A)
	59 Hexachlorobenzene	284	3.537	3.537	(0.942)	186510	200.000	220(A)

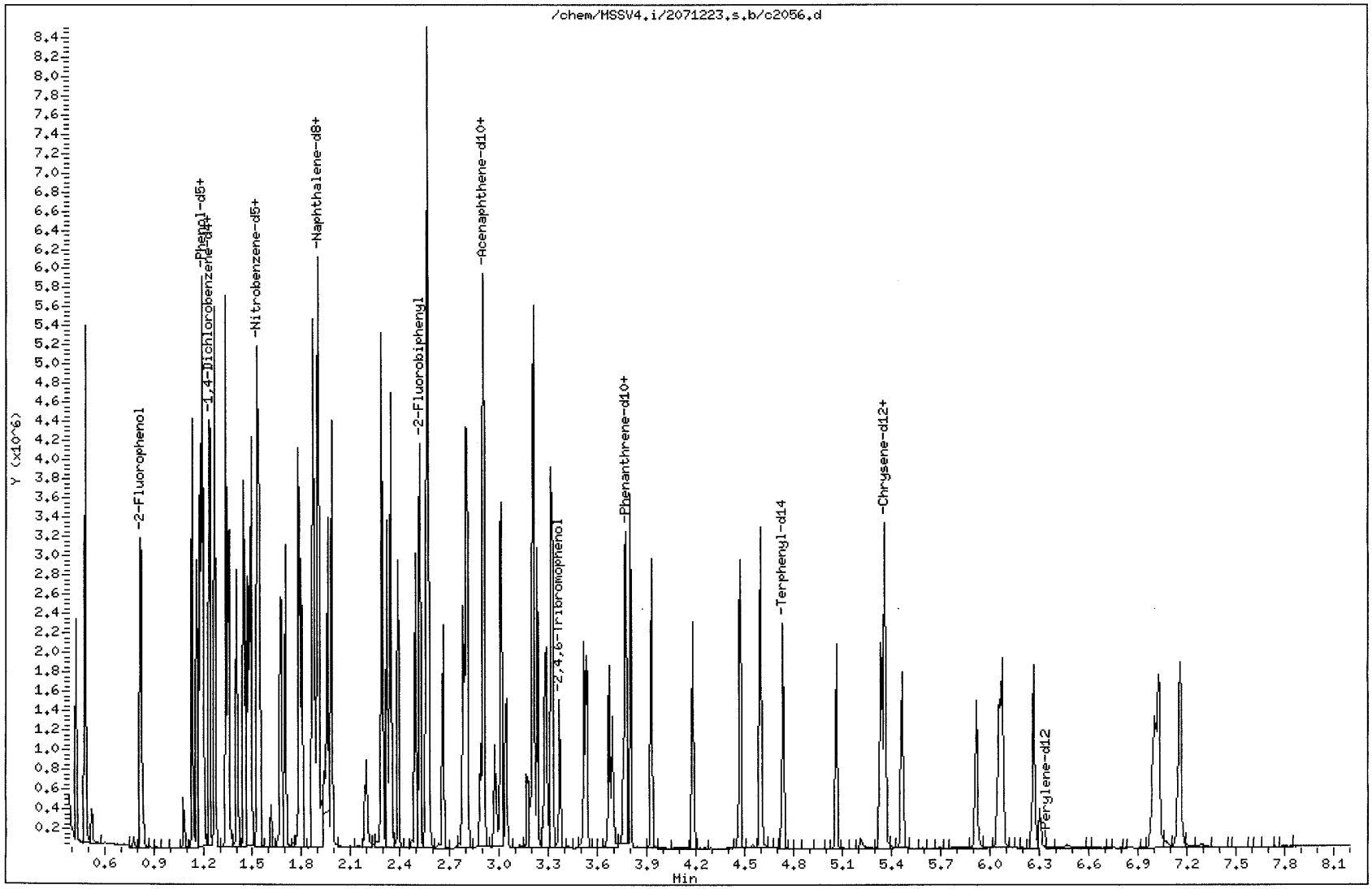
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	3.692	3.692	(0.983)	111301	200.000	217(A)
*	61 Phenanthrene-d10	188	3.756	3.756	(1.000)	202879	40.0000	
	62 Phenanthrene	178	3.772	3.772	(1.004)	1021212	200.000	196
	63 Anthracene	178	3.799	3.799	(1.011)	1021204	200.000	197
	64 Carbazole	167	3.928	3.928	(1.046)	893695	200.000	193
	65 Di-n-butylphthalate	149	4.179	4.179	(1.112)	1022303	200.000	197
	67 Fluoranthene +	202	4.473	4.473	(1.191)	892455	200.000	189
	68 Benzidine	184	4.591	4.591	(0.860)	233352	200.000	187
	69 Pyrene	202	4.596	4.596	(0.861)	939049	200.000	192
$	70 Terphenyl-d14	244	4.735	4.735	(0.887)	531114	200.000	197
	71 Butylbenzylphthalate	149	5.061	5.061	(0.948)	399567	200.000	191
	73 3,3'-Dichlorobenzidine	252	5.361	5.361	(1.004)	248995	200.000	206(A)
	72 Benzo(a)anthracene	228	5.334	5.334	(0.999)	720640	200.000	187
*	74 Chrysene-d12	240	5.340	5.340	(1.000)	124270	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.463	5.463	(1.023)	518619	200.000	196
	75 Chrysene	228	5.361	5.361	(1.004)	761135	200.000	204(A)
	77 Di-n-octylphthalate +	149	5.917	5.917	(1.108)	820399	200.000	200(H)
	78 Benzo(b)fluoranthene	252	6.056	6.056	(0.961)	841380	200.000	224(A)
	79 Benzo(k)fluoranthene	252	6.072	6.072	(0.964)	714084	200.000	178
	80 Benzo(a)pyrene +	252	6.265	6.265	(0.994)	694490	200.000	209(A)
*	81 Perylene-d12	264	6.302	6.302	(1.000)	108495	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.003	7.003	(1.312)	764237	200.000	199(M2)
	83 Dibenzo(a,h)anthracene	278	7.030	7.030	(1.115)	716311	200.000	200(A)
	84 Benzo(g,h,i)perylene	276	7.158	7.158	(1.136)	841435	200.000	200
M	66 Total Methylphenol	108				1187795	400.000	344(A)
	91 Acetophenone	105	1.467	1.467	(1.161)	397987	200.000	176
	155 Benzaldehyde	77	1.082	1.082	(0.856)	66143	200.000	127
	156 Caprolactam	113	2.200	2.200	(1.161)	112394	200.000	155
	157 Biphenyl	154	2.569	2.569	(1.356)	1025769	200.000	171
	158 Atrazine	200	3.671	3.671	(0.977)	167715	200.000	204(A)
	174 1,4-Dioxane	88	0.429	0.429	(0.340)	363921	200.000	202(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

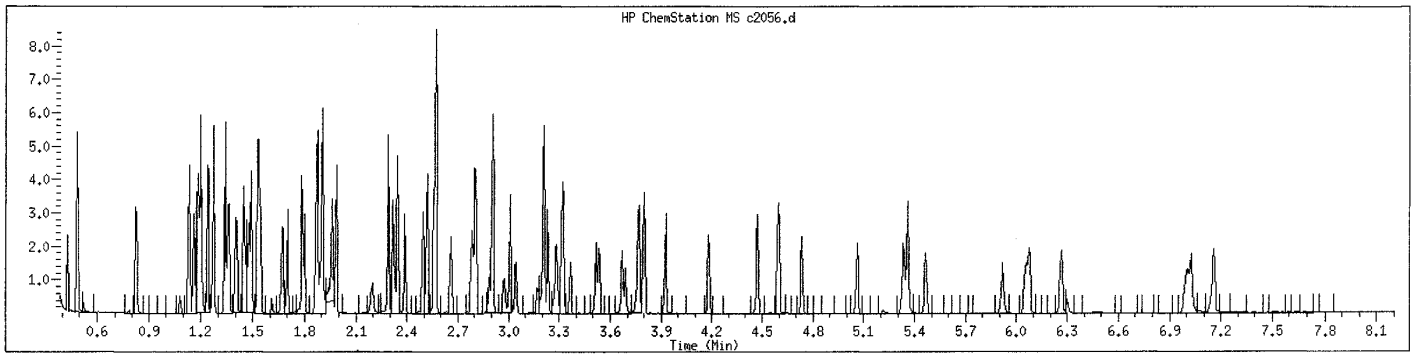
Data File: /chem/MSSV4.i/2071223.s.b/c2056.d
Date : 23-DEC-2007 14:56
Client ID: STD200
Sample Info: 1209*35-10-17
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV4.i
Operator: rrr
Column diameter: 0.25



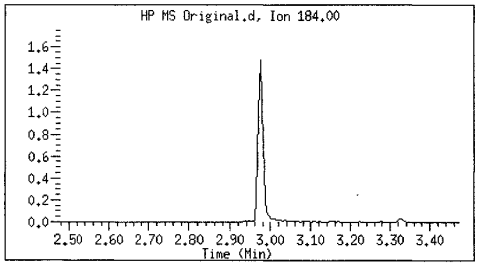
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1209 SampleType : CALIB_9
Injection Date: 12/23/2007 14:56 Instrument : MSSV4.i
Operator : rrr
Sample Info : 1209*35-10-17
Misc Info : STD200*MSSV~4727~*
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



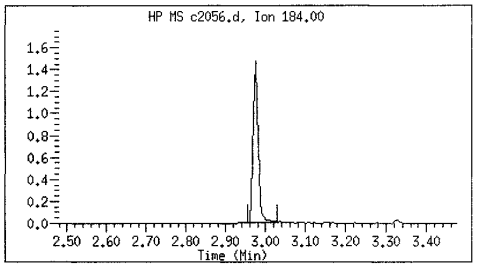
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1

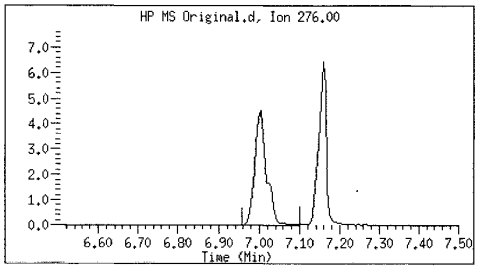


Electronic Signature Applied

User: rrr
Date: 12/24/2007 05:32

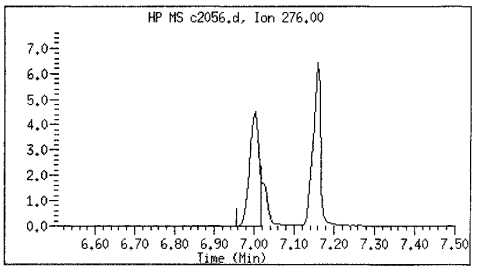


82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



Electronic Signature Applied

User: rrr
Date: 12/24/2007 05:31



169193

M1 - Target system did not integrate
M2 - Target system integrated incorrectly

169194

GCAL, Inc.

RECOVERY REPORT

Client Name: 35-11-4 Client SDG: 2071223.s
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: 1600 Client Smp ID: STDICV
Level: LOW Operator: rrr
Data Type: MS DATA SampleType: LCS
SpikeList File: ICV75.spk Quant Type: ISTD
Sublist File: ICV.sub
Method File: /chem/MSSV4.i/2071223.s.b/8270CE_04.m
Misc Info: STDICV*MSSV~4727~*

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 n-Nitrosodimethylamine	50.0	46.1	92.22	75-125
2 Pyridine	50.0	53.4	106.81	75-125
6 Phenol +	50.0	53.5	106.96	75-125
5 Aniline	50.0	52.4	104.74	75-125
7 bis(-2-Chloroethyl)Ether	50.0	51.1	102.16	75-125
8 2-Chlorophenol	50.0	52.4	104.71	75-125
9 1,3-Dichlorobenzene	50.0	54.0	108.04	75-125
11 1,4-Dichlorobenzene +	50.0	55.2	110.35	75-125
13 1,2-Dichlorobenzene	50.0	53.5	107.02	75-125
12 Benzyl alcohol	50.0	50.5	100.95	75-125
15 2-Methylphenol	50.0	53.6	107.19	75-125
14 Bis(2-chloroisopropyl)ether	50.0	51.6	103.22	75-125
17 3- & 4-Methylphenol	50.0	48.9	97.81	75-125
16 N-Nitroso-di-n-propylamine++	50.0	52.6	105.23	75-125
18 Hexachloroethane	50.0	51.3	102.52	75-125
20 Nitrobenzene	50.0	52.5	105.06	75-125
21 Isophorone	50.0	51.6	103.13	75-125
22 2-Nitrophenol +	50.0	53.0	106.01	75-125
23 2,4-Dimethyphenol	50.0	51.7	103.34	75-125
25 Benzoic Acid	50.0	57.4	114.74	75-125
24 bis(-2-Chloroethoxy)methane	50.0	50.7	101.42	75-125
26 2,4-Dichlorophenol +	50.0	52.1	104.17	75-125
27 1,2,4-Trichlorobenzene	50.0	51.8	103.63	75-125
29 Naphthalene	50.0	50.4	100.90	75-125
30 4-Chloroaniline	50.0	53.7	107.36	75-125
31 Hexachlorobutadiene +	50.0	52.7	105.41	75-125
32 4-Chloro-3-Methylphenol +	50.0	51.5	103.06	75-125
33 2-Methylnaphthalene	50.0	51.3	102.69	75-125
34 Hexachlorocyclopentadiene ++	50.0	46.3	92.63	75-125
35 2,4,6-Trichlorophenol +	50.0	54.0	108.10	75-125
36 2,4,5-Trichlorphenol	50.0	53.4	106.75	75-125
38 2-Chloronaphthalene	50.0	50.9	101.77	75-125
39 2-Nitroaniline	50.0	54.5	109.09	75-125

169195

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
40 Dimethylphthalate	50.0	50.4	100.85	75-125
41 2,6-Dinitrotoluene	50.0	52.1	104.28	75-125
42 Acenaphthylene	50.0	50.7	101.36	75-125
43 3-Nitroaniline	50.0	53.8	107.66	75-125
45 Acenaphthene +	50.0	50.7	101.38	75-125
46 2,4-Dinitrophenol ++	50.0	53.5	107.09	75-125
49 4-Nitrophenol ++	50.0	56.3	112.60	75-125
48 2,4-Dinitrotoluene	50.0	53.3	106.68	75-125
47 Dibenzofuran	50.0	52.0	103.96	75-125
50 Diethylphthalate	50.0	50.7	101.36	75-125
51 Fluorene	50.0	50.7	101.33	75-125
52 4-Chlorophenyl-phenylether	50.0	52.4	104.72	75-125
55 N-nitrosodiphenylamine (1)+	50.0	51.2	102.31	75-125
53 4-Nitroaniline	50.0	53.8	107.66	75-125
54 4,6-Dinitro-o-cresol	50.0	48.5	96.97	75-125
56 Azobenzene	50.0	50.0	99.97	75-125
58 4-Bromophenyl-phenylether	50.0	52.1	104.13	75-125
59 Hexachlorobenzene	50.0	53.3	106.69	75-125
60 Pentachlorophenol +	50.0	57.0	114.03	75-125
62 Phenanthrene	50.0	48.7	97.41	75-125
63 Anthracene	50.0	50.7	101.50	75-125
65 Di-n-butylphthalate	50.0	51.3	102.63	75-125
67 Fluoranthene +	50.0	52.5	104.99	75-125
69 Pyrene	50.0	51.0	101.93	75-125
71 Butylbenzylphthalate	50.0	49.7	99.49	75-125
73 3,3'-Dichlorobenzidine	50.0	51.7	103.32	75-125
72 Benzo(a)anthracene	50.0	48.0	95.95	75-125
75 Chrysene	50.0	54.4	108.73	75-125
76 bis(2-Ethylhexyl)phthalate	50.0	49.8	99.62	75-125
77 Di-n-octylphthalate +	50.0	48.5	97.07	75-125
78 Benzo(b)fluoranthene	50.0	57.2	114.46	75-125
79 Benzo(k)fluoranthene	50.0	49.8	99.61	75-125
80 Benzo(a)pyrene +	50.0	53.5	107.02	75-125
82 Indeno(1,2,3-cd)pyrene	50.0	49.3	98.66	75-125
83 Dibenzo(a,h)anthracene	50.0	53.3	106.57	75-125
84 Benzo(g,h,i)perylene	50.0	55.9	111.84	75-125
155 Benzaldehyde	50.0	85.9	171.72*	75-125
156 Caprolactam	50.0	55.2	110.36	75-125
157 Biphenyl	50.0	53.7	107.38	75-125
158 Atrazine	50.0	52.7	105.35	75-125

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 3 2-Fluorophenol	50.0	48.6	97.21	80-120

169196

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Phenol-d5	50.0	60.1	120.26*	80-120
$ 19 Nitrobenzene-d5	50.0	51.8	103.58	80-120
$ 37 2-Fluorobiphenyl	50.0	50.0	100.04	80-120
$ 57 2,4,6-Tribromophenol	50.0	52.6	105.16	80-120
$ 70 Terphenyl-d14	50.0	51.0	101.97	80-120

169197

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2060.d
Lab Smp Id: 1600 Client Smp ID: STDICV
Inj Date : 23-DEC-2007 15:56
Operator : rrr Inst ID: MSSV4.i
Smp Info : 1600*35-11-4
Misc Info : STDICV*MSSV~4727~*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:34 rrr Quant Type: ISTD
Cal Date : 07-NOV-2007 03:14 Cal File: c0245.d
Als bottle: 11 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICV.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
2	Pyridine	79	0.478	0.478	(0.380)	202391	53.4057	53.4
1	n-Nitrosodimethylamine	42	0.472	0.467	(0.375)	50052	46.1120	46.1
$ 3	2-Fluorophenol	112	0.825	0.825	(0.656)	152266	48.6041	48.6
$ 4	Phenol-d5	99	1.184	1.189	(0.941)	256440	60.1324	60.1(R)
5	Aniline	93	1.130	1.130	(0.898)	274787	52.4574	52.5
6	Phenol +	94	1.194	1.194	(0.949)	232756	53.4822	53.5
7	bis(-2-Chloroethyl)Ether	63	1.157	1.157	(0.919)	117562	51.0819	51.1
8	2-Chlorophenol	128	1.194	1.200	(0.949)	155268	52.3571	52.4
9	1,3-Dichlorobenzene	146	1.232	1.232	(0.979)	179678	54.9175	54.9
* 10	1,4-Dichlorobenzene-d4	152	1.259	1.259	(1.000)	83628	40.0000	
11	1,4-Dichlorobenzene +	146	1.269	1.269	(1.008)	182639	55.1734	55.2
12	Benzyl alcohol	108	1.350	1.350	(1.072)	103230	50.4749	50.5
13	1,2-Dichlorobenzene	146	1.334	1.334	(1.059)	170431	53.5122	53.5

169198

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
15	2-Methylphenol	108	1.446	1.446	(1.149)	156391	53.5951	53.6
14	Bis(2-chloroisopropyl)ether	45	1.398	1.403	(1.110)	207873	51.6102	51.6
17	3- & 4-Methylphenol	108	1.526	1.526	(1.212)	151604	48.9026	48.9
16	N-Nitroso-di-n-propylamine++	70	1.467	1.467	(1.166)	128101	52.6144	52.6
18	Hexachloroethane	117	1.489	1.489	(1.183)	71320	52.6505	52.7
$ 19	Nitrobenzene-d5	82	1.526	1.526	(0.808)	180041	51.7914	51.8
20	Nitrobenzene	77	1.537	1.537	(0.813)	266004	52.5281	52.5
21	Isophorone	82	1.660	1.660	(0.878)	333903	51.5638	51.6
22	2-Nitrophenol +	139	1.697	1.697	(0.898)	85047	53.0032	53.0
23	2,4-Dimethyphenol	107	1.777	1.777	(0.941)	171383	51.6711	51.7
24	bis(-2-Chloroethoxy)methane	93	1.794	1.794	(0.949)	194329	50.7125	50.7
25	Benzoic Acid	122	1.906	1.906	(1.008)	75824	57.3718	57.4
26	2,4-Dichlorophenol +	162	1.874	1.879	(0.992)	118411	52.0847	52.1
27	1,2,4-Trichlorobenzene	180	1.863	1.863	(0.986)	131067	51.8156	51.8
* 28	Naphthalene-d8	136	1.890	1.890	(1.000)	322993	40.0000	
29	Naphthalene	128	1.901	1.900	(1.006)	423014	50.4497	50.4
30	4-Chloroaniline	127	1.954	1.954	(1.034)	172960	53.6808	53.7
31	Hexachlorobutadiene +	225	1.981	1.981	(1.048)	70770	52.7058	52.7
32	4-Chloro-3-Methylphenol +	107	2.318	2.318	(1.226)	134696	51.5298	51.5
33	2-Methylnaphthalene	142	2.286	2.286	(1.209)	278390	51.3430	51.3
145	1-Methylnapthalene	142	2.339	2.339	(1.238)	246384	49.7029	49.7
34	Hexachlorocyclopentadiene ++	237	2.387	2.387	(0.828)	70145	46.3130	46.3
35	2,4,6-Trichlorophenol +	196	2.489	2.494	(0.863)	83728	54.0483	54.0
36	2,4,5-Trichlorphenol	196	2.558	2.558	(0.887)	88305	53.3774	53.4
$ 37	2-Fluorobiphenyl	172	2.516	2.516	(0.872)	268089	50.0223	50.0
38	2-Chloronaphthalene	162	2.564	2.564	(0.889)	251085	50.8829	50.9
39	2-Nitroaniline	138	2.655	2.655	(0.920)	91884	54.5427	54.5
40	Dimethylphthalate	163	2.778	2.778	(0.963)	238843	50.4239	50.4
41	2,6-Dinitrotoluene	165	2.799	2.799	(0.970)	59135	52.1391	52.1
42	Acenaphthylene	152	2.794	2.799	(0.968)	385854	50.4679	50.5
43	3-Nitroaniline	138	2.901	2.901	(1.006)	69705	53.8288	53.8
* 44	Acenaphthene-d10	164	2.885	2.885	(1.000)	167754	40.0000	
45	Acenaphthene +	153	2.901	2.901	(1.006)	235209	50.4215	50.4
46	2,4-Dinitrophenol ++	184	2.965	2.965	(1.028)	34370	53.5458	53.5(M1)
49	4-Nitrophenol ++	109	3.173	3.179	(1.100)	44083	56.3004	56.3
47	Dibenzofuran	168	3.008	3.008	(1.043)	345103	51.9795	52.0
48	2,4-Dinitrotoluene	165	3.034	3.034	(1.052)	74352	53.3420	53.3
50	Diethylphthalate	149	3.200	3.200	(1.109)	227979	53.1538	53.2
52	4-Chlorophenyl-phenylether	204	3.227	3.232	(1.119)	115477	52.3580	52.4
51	Fluorene	166	3.206	3.206	(1.111)	257211	51.7000	51.7
53	4-Nitroaniline	138	2.901	2.901	(1.006)	69705	53.8286	53.8
54	4,6-Dinitro-o-cresol	198	3.275	3.275	(0.873)	45832	48.4863	48.5
55	N-nitrosodiphenylamine (1)+	169	3.313	3.313	(0.883)	169705	50.7079	50.7
56	Azobenzene	77	3.318	3.318	(0.884)	379025	49.9864	50.0
$ 57	2,4,6-Tribromophenol	332	3.361	3.366	(1.165)	24395	52.5802	52.6
58	4-Bromophenyl-phenylether	248	3.516	3.516	(0.937)	51611	52.0626	52.1
59	Hexachlorobenzene	284	3.526	3.532	(0.940)	59435	53.3426	53.3

169199

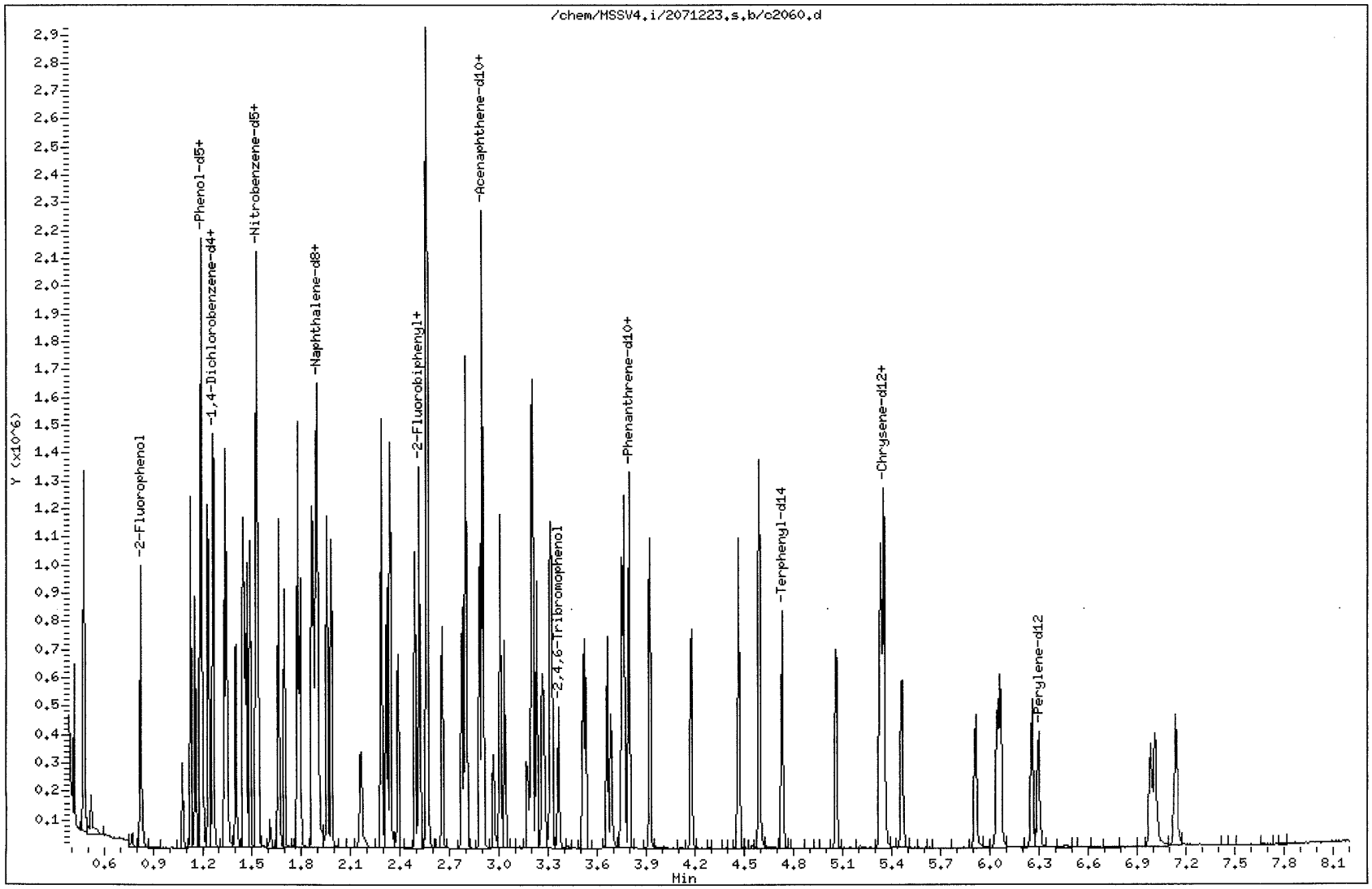
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	60 Pentachlorophenol +	266	3.687	3.687	(0.983)	35228	52.2692	52.3
*	61 Phenanthrene-d10	188	3.751	3.751	(1.000)	266521	40.0000	
	62 Phenanthrene	178	3.767	3.767	(1.004)	340519	49.6616	49.7
	63 Anthracene	178	3.794	3.794	(1.011)	346279	50.7482	50.7
	64 Carbazole	167	3.922	3.922	(1.046)	314296	51.6023	51.6
	65 Di-n-butylphthalate	149	4.179	4.179	(1.114)	345220	50.6621	50.7
	67 Fluoranthene +	202	4.468	4.468	(1.191)	322531	51.9585	52.0
	68 Benzidine	184	4.591	4.591	(0.861)	89631	53.9785	54.0
	69 Pyrene	202	4.591	4.596	(0.861)	328397	50.3424	50.3
$	70 Terphenyl-d14	244	4.730	4.730	(0.887)	183160	50.9868	51.0
	71 Butylbenzylphthalate	149	5.062	5.062	(0.949)	138485	49.7440	49.7
	73 3,3'-Dichlorobenzidine	252	5.356	5.356	(1.004)	83198	51.6597	51.7
	72 Benzo(a)anthracene	228	5.329	5.329	(0.999)	245847	47.9739	48.0
*	74 Chrysene-d12	240	5.334	5.340	(1.000)	165444	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.463	5.463	(1.024)	175827	49.8081	49.8
	75 Chrysene	228	5.350	5.350	(1.003)	268721	53.9886	54.0
	77 Di-n-octylphthalate +	149	5.912	5.912	(1.108)	257963	48.5351	48.5(H)
	78 Benzo(b)fluoranthene	252	6.046	6.046	(0.960)	235321	56.6920	56.7
	79 Benzo(k)fluoranthene	252	6.062	6.062	(0.963)	219254	49.4959	49.5
	80 Benzo(a)pyrene +	252	6.254	6.260	(0.993)	195890	53.5112	53.5
*	81 Perylene-d12	264	6.297	6.297	(1.000)	119705	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	6.982	6.987	(1.309)	160586	49.3277	49.3
	83 Dibenzo(a,h)anthracene	278	7.014	7.014	(1.114)	156621	53.2835	53.3
	84 Benzo(g,h,i)perylene	276	7.137	7.137	(1.133)	190103	55.9318	55.9
M	66 Total Methylphenol	108				307995	102.356	102
	91 Acetophenone	105	1.457	1.457	(1.157)	103600	52.6188	52.6
	155 Benzaldehyde	77	1.082	1.082	(0.860)	44624	85.8582	85.9
	156 Caprolactam	113	2.163	2.163	(1.144)	39152	55.1813	55.2
	157 Biphenyl	154	2.564	2.569	(1.357)	314097	53.6915	53.7
	158 Atrazine	200	3.660	3.660	(0.976)	56697	52.4517	52.5

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M1- Compound response manually integrated because Target system did not integrate.
H - Operator selected an alternate compound hit.

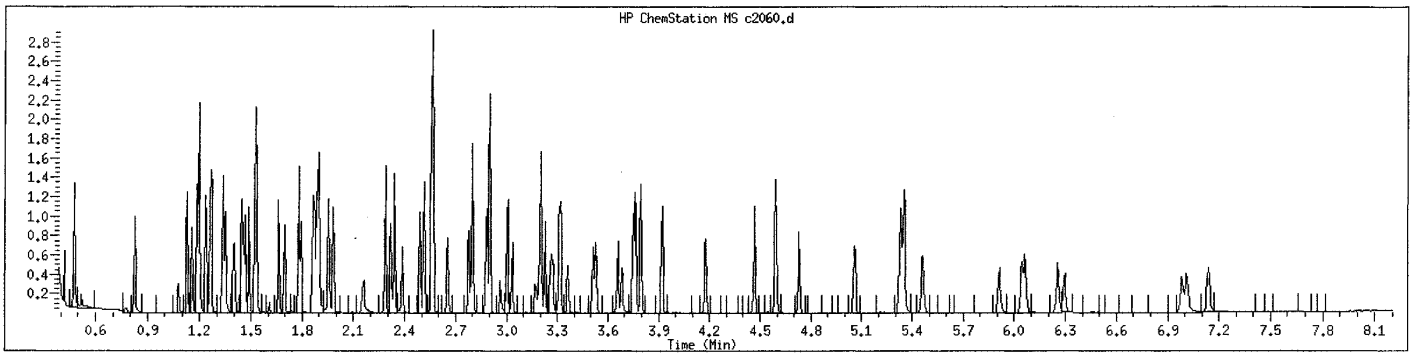
Data File: /chem/MSSV4.i/2071223.s.b/c2060.d
Date : 23-DEC-2007 15:56
Client ID: STDICV
Sample Info: 1600*35-11-4
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV4.i
Operator: rrr
Column diameter: 0.25



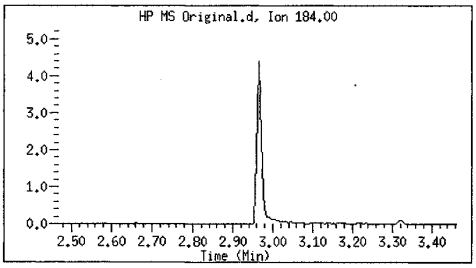
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 12/23/2007 15:56	Instrument	: MSSV4.i
Operator	: rrr		
Sample Info	: 1600*35-11-4		
Misc Info	: STDICV*MSSV~4727~*		
Method	: /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: ICV



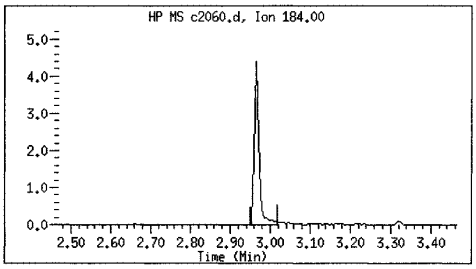
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



Electronic Signature Applied

User: rrr
Date: 12/24/2007 06:06



M1 - Target system did not integrate

169202

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: MB558333
Contract:
Lab File ID: 2071223/c2082
Lab Sample ID: 558333
Date Collected: Time:
Date Received:
Date Extracted: 12/21/07
Date Analyzed: 12/23/07 Time: 2126
Dilution Factor: 1 Analyst: RRR
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363895 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	0.010	U	0.000088	0.010
120-12-7	Anthracene	0.00200	U	0.000102	0.00200
56-55-3	Benzo(a)anthracene	0.010	U	0.000079	0.010
92-87-5	Benzidine	0.040	U	0.00718	0.040
205-99-2	Benzo(b)fluoranthene	0.010	U	0.000165	0.010
207-08-9	Benzo(k)fluoranthene	0.010	U	0.000066	0.010
191-24-2	Benzo(g,h,i)perylene	0.010	U	0.000141	0.010
50-32-8	Benzo(a)pyrene	0.010	U	0.000150	0.010
65-85-0	Benzoic acid	0.050	U	0.00100	0.050
85-68-7	Butylbenzylphthalate	0.010	U	0.000356	0.010
111-91-1	Bis(2-Chloroethoxy)methane	0.010	U	0.000241	0.010
111-44-4	Bis(2-Chloroethyl)ether	0.010	U	0.000470	0.010
108-60-1	bis(2-Chloroisopropyl)ether	0.010	U	0.000528	0.010
117-81-7	bis(2-ethylhexyl)phthalate	0.010	U	0.00191	0.010
101-55-3	4-Bromophenyl-phenylether	0.010	U	0.000366	0.010
86-74-8	Carbazole	0.010	U	0.000293	0.010
7005-72-3	4-Chlorophenyl-phenylether	0.010	U	0.000346	0.010
218-01-9	Chrysene	0.010	U	0.000056	0.010
53-70-3	Dibenz(a,h)anthracene	0.010	U	0.000257	0.010
132-64-9	Dibenzofuran	0.010	U	0.000320	0.010
91-94-1	3,3'-Dichlorobenzidine	0.020	U	0.00208	0.020
120-83-2	2,4-Dichlorophenol	0.010	U	0.000387	0.010
84-66-2	Diethylphthalate	0.010	U	0.000257	0.010
105-67-9	2,4-Dimethylphenol	0.010	U	0.00131	0.010
131-11-3	Dimethyl-phthalate	0.010	U	0.000206	0.010
117-84-0	Di-n-octylphthalate	0.010	U	0.000889	0.010
51-28-5	2,4-Dinitrophenol	0.050	U	0.00112	0.050
606-20-2	2,6-Dinitrotoluene	0.010	U	0.000410	0.010
206-44-0	Fluoranthene	0.00200	U	0.000155	0.00200

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: MB558333
Contract:
Lab File ID: 2071223/c2082
Lab Sample ID: 558333
Date Collected: Time:
Date Received:
Date Extracted: 12/21/07
Date Analyzed: 12/23/07 Time: 2126
Dilution Factor: 1 Analyst: RRR
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363895 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	0.010	U	0.000110	0.010
118-74-1	Hexachlorobenzene	0.010	U	0.000256	0.010
77-47-4	Hexachlorocyclopentadiene	0.010	U	0.000597	0.010
67-72-1	Hexachloroethane	0.00500	U	0.000842	0.00500
78-59-1	Isophorone	0.010	U	0.000240	0.010
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	U	0.000158	0.010
91-57-6	2-Methylnaphthalene	0.010	U	0.000102	0.010
95-48-7	o-Cresol	0.010	U	0.000327	0.010
98-95-3	Nitrobenzene	0.010	U	0.000362	0.010
88-75-5	2-Nitrophenol	0.010	U	0.000522	0.010
62-75-9	N-Nitrosodimethylamine	0.010	U	0.00101	0.010
86-30-6	N-Nitrosodiphenylamine	0.010	U	0.000510	0.010
85-01-8	Phenanthrene	0.00200	U	0.000137	0.00200
95-95-4	2,4,5-Trichlorophenol	0.010	U	0.000406	0.010
88-06-2	2,4,6-Trichlorophenol	0.010	U	0.000420	0.010
100-51-6	Benzyl alcohol	0.010	U	0.000442	0.010
62-53-3	Aniline	0.010	U	0.000556	0.010
110-86-1	Pyridine	0.010	U	0.000349	0.010
105-60-2	Caprolactam	0.010	U	0.00258	0.010
98-86-2	Acetophenone	0.010	U	0.000371	0.010
99-09-2	3-Nitroaniline	0.050	U	0.000400	0.050
100-01-6	4-Nitroaniline	0.050	U	0.000564	0.050
84-74-2	Di-n-butylphthalate	0.00500	U	0.000944	0.00500
122-66-7	1,2 Diphenylhydrazine	0.010	U	0.000204	0.010
88-74-4	2-Nitroaniline	0.050	U	0.000267	0.050
91-58-7	2-Chloronaphthalene	0.010	U	0.000343	0.010
106-47-8	4-Chloroaniline	0.010	U	0.000786	0.010
1912-24-9	Atrazine (Aatrex)	0.020	U	0.00205	0.020
100-52-7	Benzaldehyde	0.050	U	0.00121	0.050

FORM I SV-1

169204

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: MB558333
Contract:
Lab File ID: 2071223/c2082
Lab Sample ID: 558333
Date Collected: Time:
Date Received:
Date Extracted: 12/21/07
Date Analyzed: 12/23/07 Time: 2126
Dilution Factor: 1 Analyst: RRR
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363895 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	0.010	U	0.000341	0.010
1319-77-3M	m,p-Cresol	0.010	U	0.000295	0.010
534-52-1	2-Methyl-4,6-dinitrophenol	0.050	U	0.000284	0.050
108-95-2	Phenol	0.010	U	0.000325	0.010
95-57-8	2-Chlorophenol	0.010	U	0.000344	0.010
621-64-7	N-Nitroso-di-n-propylamine	0.010	U	0.000313	0.010
59-50-7	4-Chloro-3-methylphenol	0.010	U	0.000408	0.010
83-32-9	Acenaphthene	0.010	U	0.000135	0.010
100-02-7	4-Nitrophenol	0.050	U	0.00201	0.050
121-14-2	2,4-Dinitrotoluene	0.010	U	0.000464	0.010
87-86-5	Pentachlorophenol	0.050	U	0.00106	0.050
129-00-0	Pyrene	0.00200	U	0.000089	0.00200

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2082.d
Lab Smp Id: 558333 Client Smp ID: 1221BLK
Inj Date : 23-DEC-2007 21:26
Operator : rrr Inst ID: MSSV4.i
Smp Info : 558333*BLK*
Misc Info : 1221BLK*MSSV~4727~*BLK*1000-1*363895*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:53 rrr Quant Type: ISTD
Cal Date : 07-NOV-2007 03:14 Cal File: c0245.d
Als bottle: 33 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
$ 3 2-Fluorophenol	112	0.820	0.825	(0.652)	151833	84.1347	84.1
$ 4 Phenol-d5	99	1.184	1.189	(0.941)	219550	89.3707	89.4(R)
* 10 1,4-Dichlorobenzene-d4	152	1.259	1.259	(1.000)	48174	40.0000	
$ 19 Nitrobenzene-d5	82	1.526	1.526	(0.808)	97409	49.9697	50.0
* 28 Naphthalene-d8	136	1.890	1.890	(1.000)	181122	40.0000	
$ 37 2-Fluorobiphenyl	172	2.516	2.516	(0.872)	143105	46.1348	46.1
* 44 Acenaphthene-d10	164	2.885	2.885	(1.000)	97092	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.361	3.366	(1.165)	31258	116.405	116
* 61 Phenanthrene-d10	188	3.751	3.751	(1.000)	166691	40.0000	
$ 70 Terphenyl-d14	244	4.735	4.730	(0.888)	124241	46.6746	46.7
* 74 Chrysene-d12	240	5.334	5.340	(1.000)	122592	40.0000	
* 81 Perylene-d12	264	6.297	6.297	(1.000)	123401	40.0000	

169206

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/MSSV4.i/2071223.s.b/c2082.d

Page 1

Date : 23-DEC-2007 21:26

Client ID: 1221BLK

Instrument: MSSV4.i

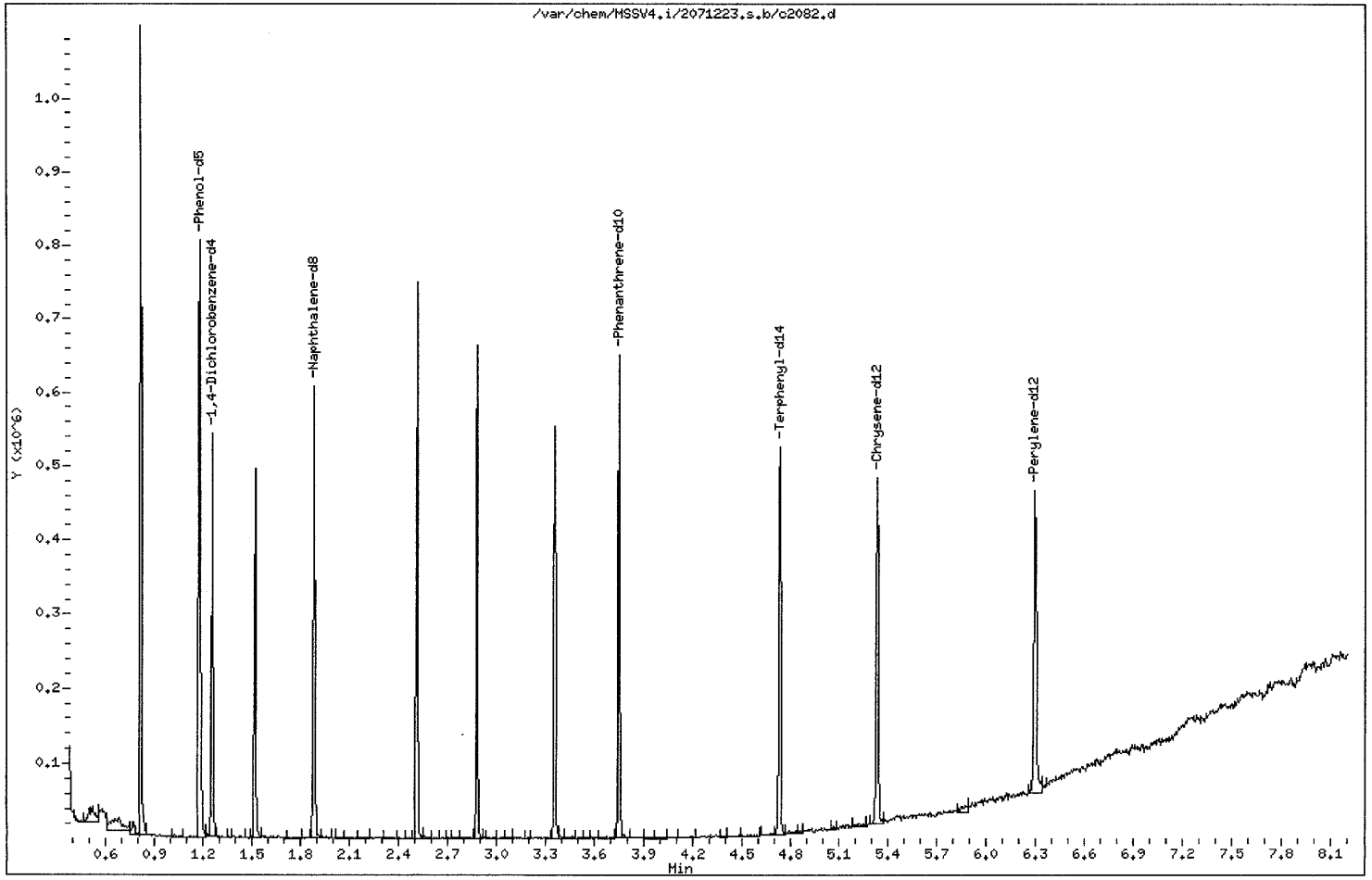
Sample Info: 558333*BLK*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

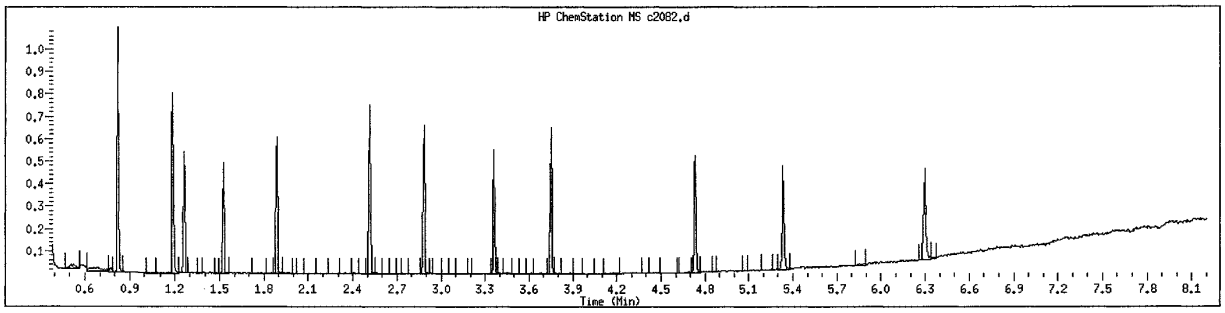


169208

Data file : /var/chem/MSSV4.i/2071223.s.b/c2082.d Page: 1
Report Date: 12/24/2007 10:48

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 558333 SampleType : BLANK
Injection Date: 12/23/2007 21:26 Instrument : MSSV4.i
Operator : rrr
Sample Info : 558333*BLK*
Misc Info : 1221BLK*MSSV~4727~*BLK*1000-1*363895*
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: MB558799
Contract:
Lab File ID: 2071223/c2065
Lab Sample ID: 558799
Date Collected: Time:
Date Received:
Date Extracted: 12/22/07
Date Analyzed: 12/23/07 Time: 1711
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363956 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	0.066	U	0.00640	0.066
120-12-7	Anthracene	0.066	U	0.00590	0.066
56-55-3	Benzo(a)anthracene	0.066	U	0.00419	0.066
92-87-5	Benzidine	1.32	U	0.252	1.32
205-99-2	Benzo(b)fluoranthene	0.330	U	0.00977	0.330
207-08-9	Benzo(k)fluoranthene	0.330	U	0.00881	0.330
191-24-2	Benzo(g,h,i)perylene	0.330	U	0.00715	0.330
50-32-8	Benzo(a)pyrene	0.066	U	0.00714	0.066
65-85-0	Benzoic acid	1.65	U	0.032	1.65
85-68-7	Butylbenzylphthalate	0.330	U	0.00760	0.330
111-91-1	Bis(2-Chloroethoxy)methane	0.330	U	0.00746	0.330
111-44-4	Bis(2-Chloroethyl)ether	0.330	U	0.029	0.330
108-60-1	bis(2-Chloroisopropyl)ether	0.330	U	0.033	0.330
117-81-7	bis(2-ethylhexyl)phthalate	0.066	U	0.038	0.066
101-55-3	4-Bromophenyl-phenylether	0.330	U	0.00603	0.330
86-74-8	Carbazole	0.330	U	0.00765	0.330
7005-72-3	4-Chlorophenyl-phenylether	0.330	U	0.00641	0.330
218-01-9	Chrysene	0.330	U	0.00625	0.330
53-70-3	Dibenz(a,h)anthracene	0.066	U	0.00545	0.066
132-64-9	Dibenzofuran	0.330	U	0.00505	0.330
91-94-1	3,3'-Dichlorobenzidine	0.660	U	0.023	0.660
120-83-2	2,4-Dichlorophenol	0.330	U	0.00778	0.330
84-66-2	Diethylphthalate	0.330	U	0.00630	0.330
105-67-9	2,4-Dimethylphenol	0.330	U	0.00882	0.330
131-11-3	Dimethyl-phthalate	0.330	U	0.00509	0.330
117-84-0	Di-n-octylphthalate	0.330	U	0.018	0.330
51-28-5	2,4-Dinitrophenol	1.65	U	0.016	1.65
606-20-2	2,6-Dinitrotoluene	0.330	U	0.00567	0.330
206-44-0	Fluoranthene	0.330	U	0.00536	0.330

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: MB558799
Contract:
Lab File ID: 2071223/c2065
Lab Sample ID: 558799
Date Collected: Time:
Date Received:
Date Extracted: 12/22/07
Date Analyzed: 12/23/07 Time: 1711
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363956 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	0.330	U	0.00551	0.330
1319-77-3M	m,p-Cresol	0.330	U	0.00965	0.330
534-52-1	2-Methyl-4,6-dinitrophenol	1.65	U	0.039	1.65
108-95-2	Phenol	0.330	U	0.010	0.330
95-57-8	2-Chlorophenol	0.330	U	0.014	0.330
621-64-7	N-Nitroso-di-n-propylamine	0.066	U	0.00984	0.066
59-50-7	4-Chloro-3-methylphenol	0.330	U	0.00806	0.330
83-32-9	Acenaphthene	0.066	U	0.00887	0.066
100-02-7	4-Nitrophenol	1.65	U	0.034	1.65
121-14-2	2,4-Dinitrotoluene	0.330	U	0.021	0.330
87-86-5	Pentachlorophenol	1.65	U	0.017	1.65
129-00-0	Pyrene	0.330	U	0.00676	0.330

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2065.d
Lab Smp Id: 558799 Client Smp ID: 1222BLK
Inj Date : 23-DEC-2007 17:11
Operator : rrr Inst ID: MSSV4.i
Smp Info : 558799*BLK*
Misc Info : 1222BLK*MSSV~4727~*BLK*30.0-1*363956*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:53 rrr Quant Type: ISTD
Cal Date : 07-NOV-2007 03:14 Cal File: c0245.d
Als bottle: 16 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula:
Amt * DF * (Uf * Vt/(Vi * Ws * (100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

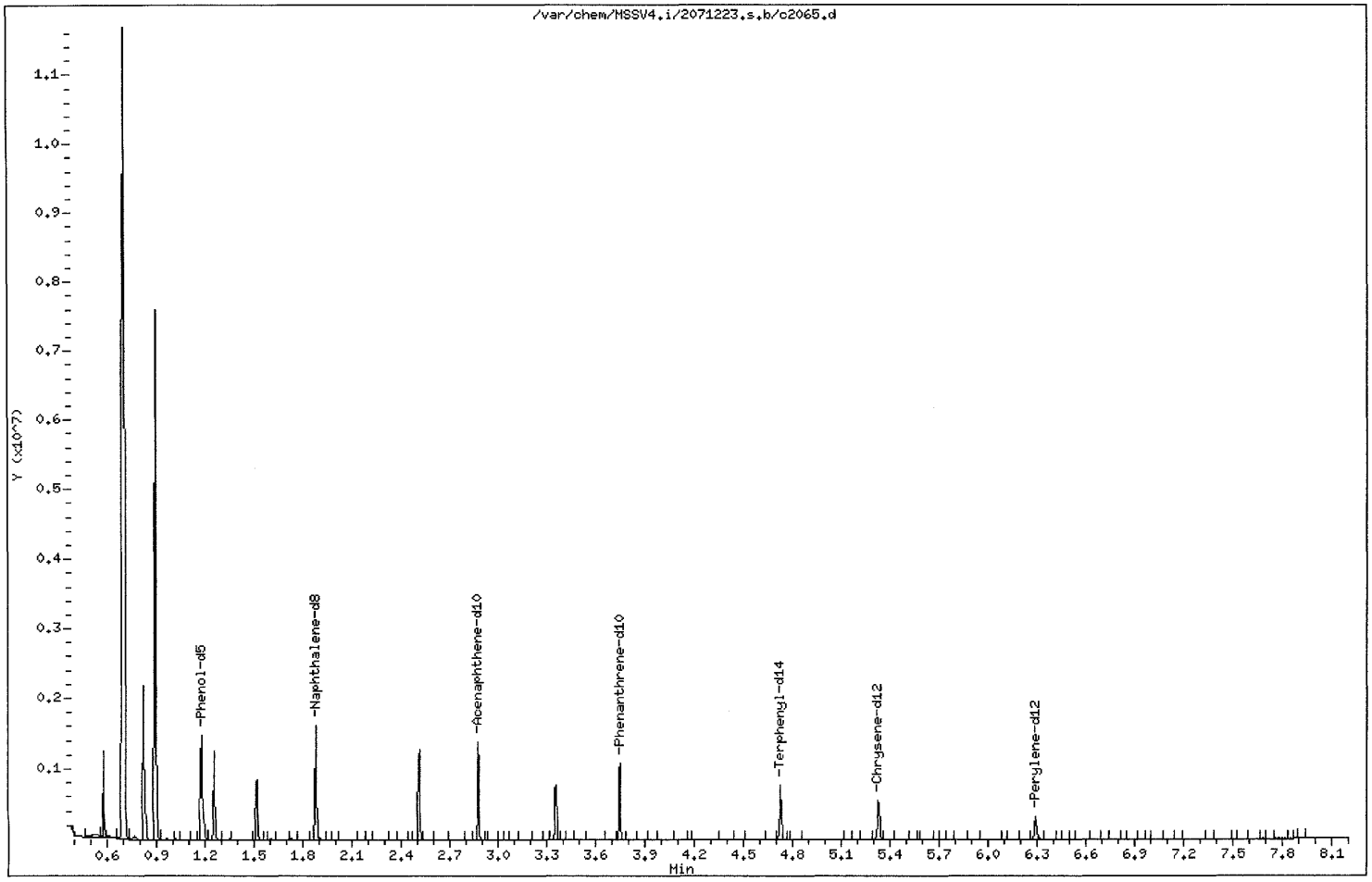
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	0.825	0.825	(0.656)	393739	96.6907	3220
$ 4 Phenol-d5	99	1.184	1.189	(0.941)	436141	78.6784	2620
* 10 1,4-Dichlorobenzene-d4	152	1.259	1.259	(1.000)	108704	40.0000	
$ 19 Nitrobenzene-d5	82	1.526	1.526	(0.810)	202456	45.6735	1520
* 28 Naphthalene-d8	136	1.885	1.890	(1.000)	411856	40.0000	
$ 37 2-Fluorobiphenyl	172	2.516	2.516	(0.874)	295543	44.0641	1470
* 44 Acenaphthene-d10	164	2.879	2.885	(1.000)	209939	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.361	3.366	(1.167)	48372	83.3096	2780
* 61 Phenanthrene-d10	188	3.751	3.751	(1.000)	310985	40.0000	
$ 70 Terphenyl-d14	244	4.730	4.730	(0.888)	173625	51.7233	1720
* 74 Chrysene-d12	240	5.329	5.340	(1.000)	154598	40.0000	

169212

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
* 81 Perylene-d12	264	6.292	6.297	(1.000)	99737	40.0000	

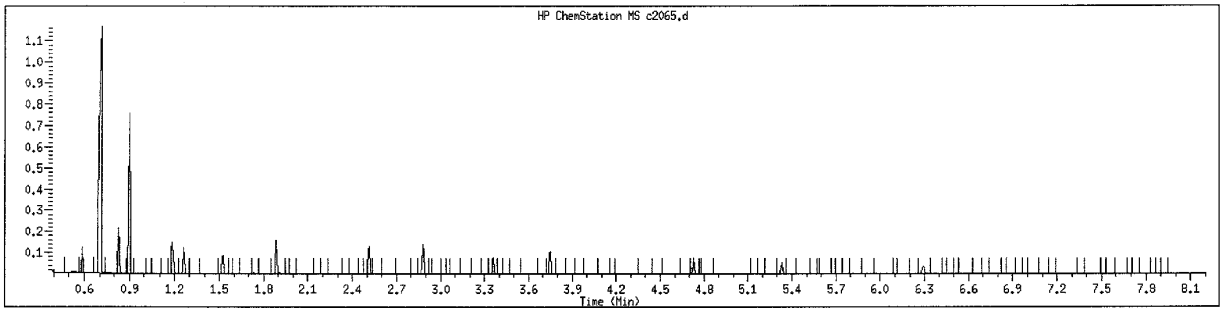
Data File: /var/chem/MSSV4.i/2071223.s.b/c2065.d
Date : 23-DEC-2007 17:11
Client ID: 1222BLK
Instrument: MSSV4.i
Sample Info: 558799*BLK*
Volume Injected (uL): 1.0
Operator: rrr
Column phase: RTX-5MS-30M
Column diameter: 0.25



Data file : /var/chem/MSSV4.i/2071223.s.b/c2065.d Page: 1
Report Date: 12/24/2007 10:42

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 558799	SampleType	: BLANK
Injection Date	: 12/23/2007 17:11	Instrument	: MSSV4.i
Operator	: rrr		
Sample Info	: 558799*BLK*		
Misc Info	: 1222BLK*MSSV~4727~*BLK*30.0-1*363956*		
Method	: /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m		
Dilution	: 1.00		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: LCS558334
Contract:
Lab File ID: 2071223/c2083
Lab Sample ID: 558334
Date Collected: Time:
Date Received:
Date Extracted: 12/21/07
Date Analyzed: 12/23/07 Time: 2141
Dilution Factor: 1 Analyst: RRR
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363895 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	0.100		0.000088	0.010
120-12-7	Anthracene	0.101		0.000102	0.00200
56-55-3	Benzo(a)anthracene	0.095		0.000079	0.010
92-87-5	Benzidine	0.060		0.00718	0.040
205-99-2	Benzo(b)fluoranthene	0.094		0.000165	0.010
207-08-9	Benzo(k)fluoranthene	0.100		0.000066	0.010
191-24-2	Benzo(g,h,i)perylene	0.150		0.000141	0.010
50-32-8	Benzo(a)pyrene	0.104		0.000150	0.010
65-85-0	Benzoic acid	0.111		0.00100	0.050
85-68-7	Butylbenzylphthalate	0.099		0.000356	0.010
111-91-1	Bis(2-Chloroethoxy)methane	0.094		0.000241	0.010
111-44-4	Bis(2-Chloroethyl)ether	0.091		0.000470	0.010
108-60-1	bis(2-Chloroisopropyl)ether	0.090		0.000528	0.010
117-81-7	bis(2-ethylhexyl)phthalate	0.100		0.00191	0.010
101-55-3	4-Bromophenyl-phenylether	0.098		0.000366	0.010
86-74-8	Carbazole	0.105		0.000293	0.010
7005-72-3	4-Chlorophenyl-phenylether	0.102		0.000346	0.010
218-01-9	Chrysene	0.107		0.000056	0.010
53-70-3	Dibenz(a,h)anthracene	0.137		0.000257	0.010
132-64-9	Dibenzofuran	0.097		0.000320	0.010
91-94-1	3,3'-Dichlorobenzidine	0.111		0.00208	0.020
120-83-2	2,4-Dichlorophenol	0.095		0.000387	0.010
84-66-2	Diethylphthalate	0.108		0.000257	0.010
105-67-9	2,4-Dimethylphenol	0.073		0.00131	0.010
131-11-3	Dimethyl-phthalate	0.102		0.000206	0.010
117-84-0	Di-n-octylphthalate	0.113		0.000889	0.010
51-28-5	2,4-Dinitrophenol	0.042	J	0.00112	0.050
606-20-2	2,6-Dinitrotoluene	0.101		0.000410	0.010
206-44-0	Fluoranthene	0.106		0.000155	0.00200

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207122020

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: LCS558334

Contract:

Lab File ID: 2071223/c2083

Lab Sample ID: 558334

Date Collected: Time:

Date Received:

Date Extracted: 12/21/07

Date Analyzed: 12/23/07 Time: 2141

Dilution Factor: 1 Analyst: RRR

Prep Method: 3510C

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 363895 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	0.099		0.000110	0.010
118-74-1	Hexachlorobenzene	0.097		0.000256	0.010
77-47-4	Hexachlorocyclopentadiene	0.061		0.000597	0.010
67-72-1	Hexachloroethane	0.086		0.000842	0.00500
78-59-1	Isophorone	0.095		0.000240	0.010
193-39-5	Indeno(1,2,3-cd)pyrene	0.166		0.000158	0.010
91-57-6	2-Methylnaphthalene	0.094		0.000102	0.010
95-48-7	o-Cresol	0.093		0.000327	0.010
98-95-3	Nitrobenzene	0.076		0.000362	0.010
88-75-5	2-Nitrophenol	0.095		0.000522	0.010
62-75-9	N-Nitrosodimethylamine	0.152		0.00101	0.010
86-30-6	N-Nitrosodiphenylamine	0.102		0.000510	0.010
85-01-8	Phenanthrene	0.097		0.000137	0.00200
95-95-4	2,4,5-Trichlorophenol	0.095		0.000406	0.010
88-06-2	2,4,6-Trichlorophenol	0.098		0.000420	0.010
100-51-6	Benzyl alcohol	0.094		0.000442	0.010
62-53-3	Aniline	0.082		0.000556	0.010
110-86-1	Pyridine	0.054		0.000349	0.010
105-60-2	Caprolactam	0.114		0.00258	0.010
98-86-2	Acetophenone	0.089		0.000371	0.010
99-09-2	3-Nitroaniline	0.105		0.000400	0.050
100-01-6	4-Nitroaniline	0.105		0.000564	0.050
84-74-2	Di-n-butylphthalate	0.107		0.000944	0.00500
122-66-7	1,2 Diphenylhydrazine	0.093		0.000204	0.010
88-74-4	2-Nitroaniline	0.103		0.000267	0.050
91-58-7	2-Chloronaphthalene	0.094		0.000343	0.010
106-47-8	4-Chloroaniline	0.097		0.000786	0.010
1912-24-9	Atrazine (Aatrex)	0.103		0.00205	0.020
100-52-7	Benzaldehyde	0.099		0.00121	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: LCS558334
Contract:
Lab File ID: 2071223/c2083
Lab Sample ID: 558334
Date Collected: Time:
Date Received:
Date Extracted: 12/21/07
Date Analyzed: 12/23/07 Time: 2141
Dilution Factor: 1 Analyst: RRR
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363895 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	0.099		0.000341	0.010
1319-77-3M	m,p-Cresol	0.091		0.000295	0.010
534-52-1	2-Methyl-4,6-dinitrophenol	0.057		0.000284	0.050
108-95-2	Phenol	0.095		0.000325	0.010
95-57-8	2-Chlorophenol	0.090		0.000344	0.010
621-64-7	N-Nitroso-di-n-propylamine	0.095		0.000313	0.010
59-50-7	4-Chloro-3-methylphenol	0.098		0.000408	0.010
83-32-9	Acenaphthene	0.095		0.000135	0.010
100-02-7	4-Nitrophenol	0.104		0.00201	0.050
121-14-2	2,4-Dinitrotoluene	0.108		0.000464	0.010
87-86-5	Pentachlorophenol	0.119		0.00106	0.050
129-00-0	Pyrene	0.088		0.000089	0.00200

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2083.d
Lab Smp Id: 558334 Client Smp ID: 1221LCS
Inj Date : 23-DEC-2007 21:41
Operator : rrr Inst ID: MSSV4.i
Smp Info : 558334*LCS*
Misc Info : 1221LCS*MSSV~4727~*LCS*1000-1*363895*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:34 rrr Quant Type: ISTD
Cal Date : 07-NOV-2007 03:14 Cal File: c0245.d
Als bottle: 34 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SA8270.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	2 Pyridine	79	0.478	0.478	(0.380)	133802	53.4822	53.5
	1 n-Nitrosodimethylamine	42	0.467	0.467	(0.371)	124585	151.759	152(R)
$	3 2-Fluorophenol	112	0.820	0.825	(0.652)	182098	88.0459	88.0
$	4 Phenol-d5	99	1.178	1.189	(0.936)	227081	80.6561	80.7(R)
	5 Aniline	93	1.125	1.130	(0.894)	282727	81.7545	81.8
	6 Phenol +	94	1.184	1.194	(0.941)	271900	94.6349	94.6(R)
	7 bis(-2-Chloroethyl)Ether	63	1.157	1.157	(0.919)	138080	90.8793	90.9
	8 2-Chlorophenol	128	1.194	1.200	(0.949)	176152	89.9736	90.0
	9 1,3-Dichlorobenzene	146	1.232	1.232	(0.979)	194433	90.0160	90.0
*	10 1,4-Dichlorobenzene-d4	152	1.259	1.259	(1.000)	55210	40.0000	
	11 1,4-Dichlorobenzene +	146	1.269	1.269	(1.008)	194398	88.9533	89.0
	12 Benzyl alcohol	108	1.344	1.350	(1.068)	127286	94.2724	94.3
	13 1,2-Dichlorobenzene	146	1.334	1.334	(1.059)	183935	87.4787	87.5

169219

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
15	2-Methylphenol	108	1.440	1.446	(1.144)	178887	92.8595	92.9
14	Bis(2-chloroisopropyl)ether	45	1.398	1.403	(1.110)	239433	90.0442	90.0
17	3- & 4-Methylphenol	108	1.521	1.526	(1.208)	185291	90.5335	90.5
16	N-Nitroso-di-n-propylamine++	70	1.467	1.467	(1.166)	153137	95.2722	95.3
18	Hexachloroethane	117	1.489	1.489	(1.183)	77246	86.3776	86.4
$ 19	Nitrobenzene-d5	82	1.526	1.526	(0.810)	115796	53.2704	53.3
20	Nitrobenzene	77	1.531	1.537	(0.813)	239431	75.6119	75.6
21	Isophorone	82	1.660	1.660	(0.881)	383153	94.6243	94.6
22	2-Nitrophenol +	139	1.697	1.697	(0.901)	94780	94.4640	94.5
23	2,4-Dimethyphenol	107	1.772	1.777	(0.940)	151147	72.8762	72.9
24	bis(-2-Chloroethoxy)methane	93	1.794	1.794	(0.952)	225447	94.0867	94.1
25	Benzoic Acid	122	1.895	1.906	(1.006)	91709	110.971	111(R)
26	2,4-Dichlorophenol +	162	1.868	1.879	(0.991)	134989	94.9560	95.0
27	1,2,4-Trichlorobenzene	180	1.863	1.863	(0.989)	142795	90.2789	90.3
* 28	Naphthalene-d8	136	1.884	1.890	(1.000)	201970	40.0000	
29	Naphthalene	128	1.900	1.900	(1.008)	489807	93.4189	93.4
30	4-Chloroaniline	127	1.954	1.954	(1.037)	195186	96.8788	96.9
31	Hexachlorobutadiene +	225	1.981	1.981	(1.051)	77504	92.3081	92.3
32	4-Chloro-3-Methylphenol +	107	2.307	2.318	(1.224)	159563	97.6208	97.6
33	2-Methylnaphthalene	142	2.286	2.286	(1.213)	318393	93.9069	93.9
145	1-Methylnapthalene	142	2.339	2.339	(1.241)	283016	91.3032	91.3
34	Hexachlorocyclopentadiene ++	237	2.387	2.387	(0.828)	55065	60.5198	60.5
35	2,4,6-Trichlorophenol +	196	2.489	2.494	(0.863)	90698	97.4597	97.5
36	2,4,5-Trichlorphenol	196	2.548	2.558	(0.883)	94374	94.9600	95.0
$ 37	2-Fluorobiphenyl	172	2.516	2.516	(0.872)	163937	50.9187	50.9
38	2-Chloronaphthalene	162	2.564	2.564	(0.889)	279438	94.2654	94.3
39	2-Nitroaniline	138	2.655	2.655	(0.920)	103951	102.717	103
40	Dimethylphthalate	163	2.778	2.778	(0.963)	290842	102.211	102
41	2,6-Dinitrotoluene	165	2.799	2.799	(0.970)	68532	100.584	101
42	Acenaphthylene	152	2.799	2.799	(0.970)	458776	99.8869	99.9
43	3-Nitroaniline	138	2.901	2.901	(1.006)	82031	105.449	105
* 44	Acenaphthene-d10	164	2.885	2.885	(1.000)	100776	40.0000	
45	Acenaphthene +	153	2.901	2.901	(1.006)	266211	94.9957	95.0
46	2,4-Dinitrophenol ++	184	2.965	2.965	(1.028)	16092	41.7322	41.7(M1)
49	4-Nitrophenol ++	109	3.152	3.179	(1.093)	48898	103.955	104(R)
47	Dibenzofuran	168	3.008	3.008	(1.043)	386982	97.0264	97.0
48	2,4-Dinitrotoluene	165	3.034	3.034	(1.052)	90239	107.767	108
50	Diethylphthalate	149	3.200	3.200	(1.109)	279250	108.380	108
52	4-Chlorophenyl-phenylether	204	3.227	3.232	(1.119)	134930	101.838	102
51	Fluorene	166	3.206	3.206	(1.111)	294521	98.5446	98.5
53	4-Nitroaniline	138	2.901	2.901	(1.006)	82031	105.449	105
54	4,6-Dinitro-o-cresol	198	3.275	3.275	(0.873)	32014	56.6969	56.7
55	N-nitrosodiphenylamine (1)+	169	3.307	3.313	(0.882)	204123	102.104	102
56	Azobenzene	77	3.318	3.318	(0.884)	421224	92.9964	93.0
$ 57	2,4,6-Tribromophenol	332	3.361	3.366	(1.165)	29457	105.688	106
58	4-Bromophenyl-phenylether	248	3.516	3.516	(0.937)	58156	98.2082	98.2
59	Hexachlorobenzene	284	3.532	3.532	(0.942)	64733	97.2584	97.3

169220

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/L)
	60	Pentachlorophenol +	266	3.682	3.687	(0.981)	47802	118.733	119
*	61	Phenanthrene-d10	188	3.751	3.751	(1.000)	159207	40.0000	
	62	Phenanthrene	178	3.767	3.767	(1.004)	395210	96.4887	96.5
	63	Anthracene	178	3.794	3.794	(1.011)	412855	101.289	101
	64	Carbazole	167	3.922	3.922	(1.046)	382589	105.156	105
	65	Di-n-butylphthalate	149	4.179	4.179	(1.114)	435516	106.994	107
	67	Fluoranthene +	202	4.468	4.468	(1.191)	393553	106.135	106
	68	Benzidine	184	4.591	4.591	(0.861)	72733	60.1088	60.1
	69	Pyrene	202	4.596	4.596	(0.862)	418029	87.9397	87.9
$	70	Terphenyl-d14	244	4.730	4.730	(0.887)	122346	46.7370	46.7
	71	Butylbenzylphthalate	149	5.062	5.062	(0.949)	200095	98.6322	98.6
	73	3,3'-Dichlorobenzidine	252	5.356	5.356	(1.004)	130791	111.445	111
	72	Benzo(a)anthracene	228	5.329	5.329	(0.999)	354782	95.0049	95.0
*	74	Chrysene-d12	240	5.334	5.340	(1.000)	120561	40.0000	
	76	bis(2-Ethylhexyl)phthalate	149	5.463	5.463	(1.024)	258213	100.378	100
	75	Chrysene	228	5.350	5.350	(1.003)	387508	106.838	107
	77	Di-n-octylphthalate +	149	5.912	5.912	(1.108)	438448	113.204	113(H)
	78	Benzo(b)fluoranthene	252	6.051	6.046	(0.961)	396289	93.5634	93.6
	79	Benzo(k)fluoranthene	252	6.067	6.062	(0.963)	450846	99.7431	99.7
	80	Benzo(a)pyrene +	252	6.260	6.260	(0.994)	387008	103.606	104
*	81	Perylene-d12	264	6.297	6.297	(1.000)	122146	40.0000	
	82	Indeno(1,2,3-cd)pyrene	276	6.998	6.987	(1.312)	518143	166.487	166(R)
	83	Dibenzo(a,h)anthracene	278	7.019	7.014	(1.115)	467819	136.839	137
	84	Benzo(g,h,i)perylene	276	7.153	7.137	(1.136)	613054	150.152	150(R)
M	66	Total Methylphenol	108				364178	183.323	183
	91	Acetophenone	105	1.457	1.457	(1.157)	115790	89.0812	89.1
	155	Benzaldehyde	77	1.077	1.082	(0.856)	32489	99.4376	99.4
	156	Caprolactam	113	2.168	2.163	(1.150)	50626	114.109	114(R)
	157	Biphenyl	154	2.564	2.569	(1.360)	362343	99.0531	99.1
	158	Atrazine	200	3.660	3.660	(0.976)	66661	103.238	103
	174	1,4-Dioxane	88	0.419	0.419	(0.333)	114058	124.339	124

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

Data File: /var/chem/MSSV4.i/2071223.s.b/c2083.d

Page 1

Date : 23-DEC-2007 21:41

Client ID: 1221LCS

Instrument: MSSV4.i

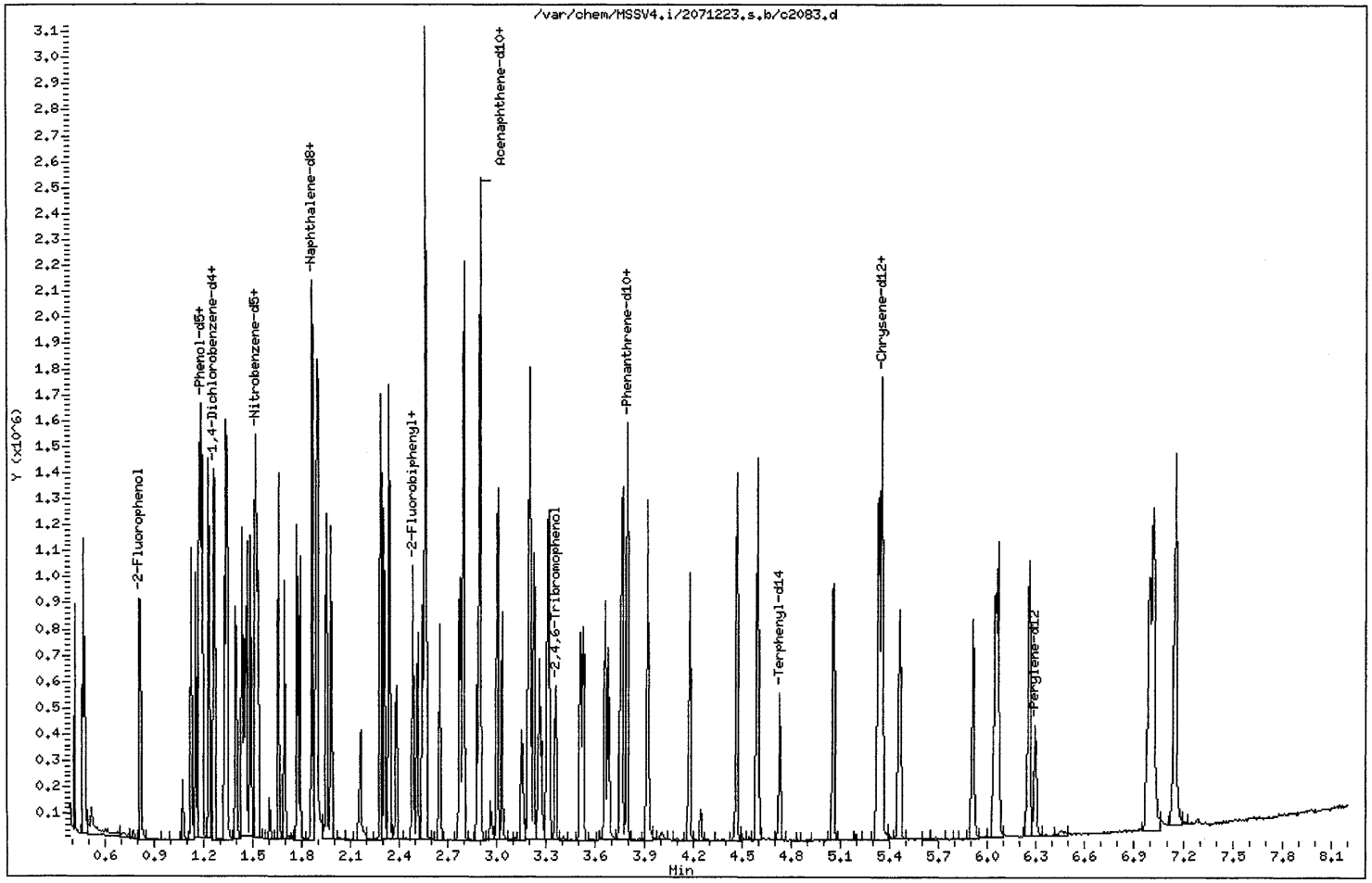
Sample Info: 558334%LCS%

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

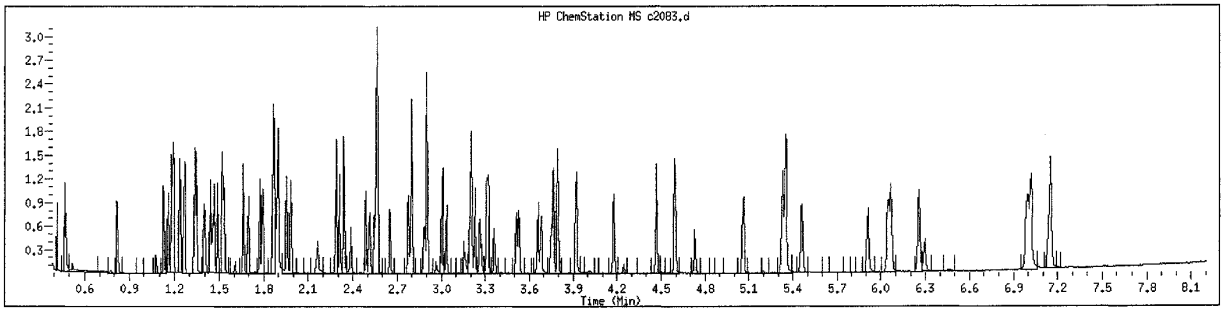
Column diameter: 0.25



Data file : /var/chem/MSSV4.i/2071223.s.b/c2083.d Page: 1
Report Date: 12/24/2007 09:36

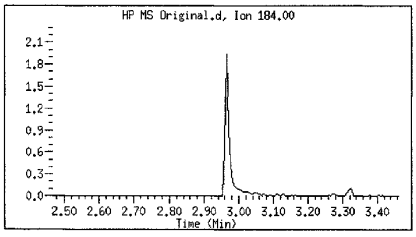
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 558334 SampleType : LCS
Injection Date: 12/23/2007 21:41 Instrument : MSSV4.i
Operator : rrr
Sample Info : 558334*LCS*
Misc Info : 1221LCS*MSSV~4727~*LCS*1000-1*363895*
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: SA8270



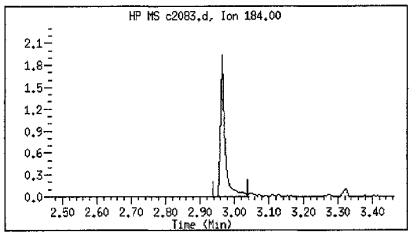
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



Electronic Signature
Applied

User: rrr
Date: 12/24/2007 09:10



M1 - Target system did not integrate

169223

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: LCS558800
Contract:
Lab File ID: 2071223/c2066
Lab Sample ID: 558800
Date Collected: Time:
Date Received:
Date Extracted: 12/22/07
Date Analyzed: 12/23/07 Time: 1726
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363956 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	3.27		0.00640	0.066
120-12-7	Anthracene	3.18		0.00590	0.066
56-55-3	Benzo(a)anthracene	3.11		0.00419	0.066
92-87-5	Benzidine	0.560	J	0.252	1.32
205-99-2	Benzo(b)fluoranthene	3.61		0.00977	0.330
207-08-9	Benzo(k)fluoranthene	3.47		0.00881	0.330
191-24-2	Benzo(g,h,i)perylene	3.18		0.00715	0.330
50-32-8	Benzo(a)pyrene	3.48		0.00714	0.066
65-85-0	Benzoic acid	2.62		0.032	1.65
85-68-7	Butylbenzylphthalate	3.33		0.00760	0.330
111-91-1	Bis(2-Chloroethoxy)methane	2.88		0.00746	0.330
111-44-4	Bis(2-Chloroethyl)ether	2.76		0.029	0.330
108-60-1	bis(2-Chloroisopropyl)ether	2.82		0.033	0.330
117-81-7	bis(2-ethylhexyl)phthalate	3.24		0.038	0.066
101-55-3	4-Bromophenyl-phenylether	3.42		0.00603	0.330
86-74-8	Carbazole	3.09		0.00765	0.330
7005-72-3	4-Chlorophenyl-phenylether	3.31		0.00641	0.330
218-01-9	Chrysene	3.44		0.00625	0.330
53-70-3	Dibenz(a,h)anthracene	3.19		0.00545	0.066
132-64-9	Dibenzofuran	3.11		0.00505	0.330
91-94-1	3,3'-Dichlorobenzidine	2.53		0.023	0.660
120-83-2	2,4-Dichlorophenol	3.02		0.00778	0.330
84-66-2	Diethylphthalate	3.16		0.00630	0.330
105-67-9	2,4-Dimethylphenol	2.78		0.00882	0.330
131-11-3	Dimethyl-phthalate	3.21		0.00509	0.330
117-84-0	Di-n-octylphthalate	3.11		0.018	0.330
51-28-5	2,4-Dinitrophenol	2.63		0.016	1.65
606-20-2	2,6-Dinitrotoluene	3.09		0.00567	0.330
206-44-0	Fluoranthene	3.00		0.00536	0.330

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: LCS558800
Contract:
Lab File ID: 2071223/c2066
Lab Sample ID: 558800
Date Collected: Time:
Date Received:
Date Extracted: 12/22/07
Date Analyzed: 12/23/07 Time: 1726
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363956 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	3.13		0.00546	0.066
118-74-1	Hexachlorobenzene	3.46		0.011	0.330
77-47-4	Hexachlorocyclopentadiene	3.28		0.019	0.330
67-72-1	Hexachloroethane	2.85		0.029	0.330
78-59-1	Isophorone	2.90		0.00749	0.330
193-39-5	Indeno(1,2,3-cd)pyrene	2.63		0.010	0.330
91-57-6	2-Methylnaphthalene	2.77		0.00803	0.066
95-48-7	o-Cresol	2.68		0.017	0.330
98-95-3	Nitrobenzene	3.06		0.040	0.330
88-75-5	2-Nitrophenol	3.07		0.00959	0.330
62-75-9	N-Nitrosodimethylamine	4.52		0.097	0.330
86-30-6	N-Nitrosodiphenylamine	3.41		0.00564	0.330
85-01-8	Phenanthrene	3.12		0.00578	0.066
95-95-4	2,4,5-Trichlorophenol	3.15		0.00654	0.330
88-06-2	2,4,6-Trichlorophenol	3.32		0.00755	0.330
100-51-6	Benzyl alcohol	2.61		0.010	0.330
62-53-3	Aniline	2.09		0.018	0.330
110-86-1	Pyridine	2.58		0.016	0.330
105-60-2	Caprolactam	2.59		0.00978	0.330
98-86-2	Acetophenone	2.68		0.00818	0.330
99-09-2	3-Nitroaniline	2.18		0.031	1.65
100-01-6	4-Nitroaniline	2.18		0.00804	1.65
84-74-2	Di-n-butylphthalate	3.10		0.00664	0.330
122-66-7	1,2 Diphenylhydrazine	3.15		0.00966	0.330
88-74-4	2-Nitroaniline	3.13		0.00584	1.65
91-58-7	2-Chloronaphthalene	3.20		0.00901	0.330
106-47-8	4-Chloroaniline	1.88		0.00400	0.330
1912-24-9	Atrazine (Aatrex)	3.25		0.016	0.660
100-52-7	Benzaldehyde	2.88		0.026	0.660

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: LCS558800
Contract:
Lab File ID: 2071223/c2066
Lab Sample ID: 558800
Date Collected: Time:
Date Received:
Date Extracted: 12/22/07
Date Analyzed: 12/23/07 Time: 1726
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363956 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	2.91		0.00551	0.330
1319-77-3M	m,p-Cresol	2.60		0.00965	0.330
534-52-1	2-Methyl-4,6-dinitrophenol	2.99		0.039	1.65
108-95-2	Phenol	2.71		0.010	0.330
95-57-8	2-Chlorophenol	2.74		0.014	0.330
621-64-7	N-Nitroso-di-n-propylamine	2.82		0.00984	0.066
59-50-7	4-Chloro-3-methylphenol	2.79		0.00806	0.330
83-32-9	Acenaphthene	3.17		0.00887	0.066
100-02-7	4-Nitrophenol	3.02		0.034	1.65
121-14-2	2,4-Dinitrotoluene	3.21		0.021	0.330
87-86-5	Pentachlorophenol	2.75		0.017	1.65
129-00-0	Pyrene	3.46		0.00676	0.330

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2066.d
Lab Smp Id: 558800 Client Smp ID: 1222LCS
Inj Date : 23-DEC-2007 17:26
Operator : rrr Inst ID: MSSV4.i
Smp Info : 558800*LCS*
Misc Info : 1222LCS*MSSV~4727~*LCS*30.0-1*363956*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:34 rrr Quant Type: ISTD
Cal Date : 07-NOV-2007 03:14 Cal File: c0245.d
Als bottle: 17 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SA8270.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula:
Amt * DF * (Uf * Vt/(Vi * Ws * (100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
	2 Pyridine	79	0.483	0.478	(0.382)	364894	77.3201	2580
	1 n-Nitrosodimethylamine	42	0.478	0.467	(0.378)	203780	135.675	4520(R)
$	3 2-Fluorophenol	112	0.831	0.825	(0.657)	296677	75.3498	2510
$	4 Phenol-d5	99	1.178	1.189	(0.932)	518680	96.7721	3230
	5 Aniline	93	1.130	1.130	(0.894)	413568	62.8182	2090
	6 Phenol +	94	1.189	1.194	(0.941)	444685	81.2997	2710
	7 bis(-2-Chloroethyl)Ether	63	1.157	1.157	(0.915)	239234	82.7088	2760
	8 2-Chlorophenol	128	1.194	1.200	(0.945)	306927	82.3487	2740
	9 1,3-Dichlorobenzene	146	1.237	1.232	(0.979)	353028	85.8526	2860
*	10 1,4-Dichlorobenzene-d4	152	1.264	1.259	(1.000)	105105	40.0000	
	11 1,4-Dichlorobenzene +	146	1.269	1.269	(1.004)	356126	85.5989	2850

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/Kg)
	12 Benzyl alcohol	108	1.349	1.350	(1.068)	201550	78.4117	2610
	13 1,2-Dichlorobenzene	146	1.339	1.334	(1.059)	346907	86.6653	2890
	15 2-Methylphenol	108	1.440	1.446	(1.140)	294905	80.4126	2680
	14 Bis(2-chloroisopropyl)ether	45	1.403	1.403	(1.110)	427621	84.4744	2820
	17 3- & 4-Methylphenol	108	1.526	1.526	(1.207)	304380	78.1206	2600
	16 N-Nitroso-di-n-propylamine++	70	1.472	1.467	(1.165)	258939	84.6209	2820
	18 Hexachloroethane	117	1.488	1.489	(1.178)	145701	85.5819	2850
$	19 Nitrobenzene-d5	82	1.526	1.526	(0.808)	189292	48.7653	1630
	20 Nitrobenzene	77	1.537	1.537	(0.813)	518345	91.6675	3060
	21 Isophorone	82	1.665	1.660	(0.881)	629589	87.0711	2900
	22 2-Nitrophenol +	139	1.697	1.697	(0.898)	164824	91.9934	3070
	23 2,4-Dimethyphenol	107	1.777	1.777	(0.941)	308436	83.2794	2780
	24 bis(-2-Chloroethoxy)methane	93	1.793	1.794	(0.949)	369121	86.2658	2880
	25 Benzoic Acid	122	1.911	1.906	(1.011)	116170	78.7188	2620
	26 2,4-Dichlorophenol +	162	1.868	1.879	(0.989)	229720	90.4919	3020
	27 1,2,4-Trichlorobenzene	180	1.868	1.863	(0.989)	260821	92.3427	3080
*	28 Naphthalene-d8	136	1.890	1.890	(1.000)	360662	40.0000	
	29 Naphthalene	128	1.900	1.900	(1.006)	829696	88.6166	2950
	30 4-Chloroaniline	127	1.954	1.954	(1.034)	203436	56.5450	1880
	31 Hexachlorobutadiene +	225	1.981	1.981	(1.048)	147352	98.2785	3280
	32 4-Chloro-3-Methylphenol +	107	2.312	2.318	(1.224)	244318	83.7052	2790
	33 2-Methylnaphthalene	142	2.291	2.286	(1.212)	504014	83.2459	2770
	145 1-Methylnapthalene	142	2.344	2.339	(1.241)	485097	87.6376	2920
	34 Hexachlorocyclopentadiene ++	237	2.387	2.387	(0.828)	140863	98.4542	3280
	35 2,4,6-Trichlorophenol +	196	2.489	2.494	(0.863)	145636	99.5203	3320
	36 2,4,5-Trichlorphenol	196	2.553	2.558	(0.885)	147477	94.3687	3150
$	37 2-Fluorobiphenyl	172	2.515	2.516	(0.872)	270537	53.4371	1780
	38 2-Chloronaphthalene	162	2.564	2.564	(0.889)	447932	96.0936	3200
	39 2-Nitroaniline	138	2.654	2.655	(0.920)	149623	94.0213	3130
	40 Dimethylphthalate	163	2.777	2.778	(0.963)	430703	96.2571	3210
	41 2,6-Dinitrotoluene	165	2.804	2.799	(0.972)	99290	92.6736	3090
	42 Acenaphthylene	152	2.799	2.799	(0.970)	709397	98.2229	3270
	43 3-Nitroaniline	138	2.901	2.901	(1.006)	80020	65.4155	2180
*	44 Acenaphthene-d10	164	2.884	2.885	(1.000)	158468	40.0000	
	45 Acenaphthene +	153	2.901	2.901	(1.006)	419534	95.2052	3170
	46 2,4-Dinitrophenol ++	184	2.965	2.965	(1.028)	47912	79.0172	2630(M1)
	49 4-Nitrophenol ++	109	3.163	3.179	(1.096)	67035	90.6303	3020
	47 Dibenzofuran	168	3.007	3.008	(1.043)	585700	93.3878	3110
	48 2,4-Dinitrotoluene	165	3.034	3.034	(1.052)	126910	96.3837	3210
	50 Diethylphthalate	149	3.200	3.200	(1.109)	384578	94.9194	3160
	52 4-Chlorophenyl-phenylether	204	3.232	3.232	(1.121)	207032	99.3702	3310
	51 Fluorene	166	3.205	3.206	(1.111)	441637	93.9718	3130
	53 4-Nitroaniline	138	2.901	2.901	(1.006)	80020	65.4153	2180
	54 4,6-Dinitro-o-cresol	198	3.275	3.275	(0.873)	73300	89.5828	2990
	55 N-nitrosodiphenylamine (1)+	169	3.312	3.313	(0.883)	296018	102.181	3410
	56 Azobenzene	77	3.323	3.318	(0.886)	620978	94.6086	3150
$	57 2,4,6-Tribromophenol	332	3.360	3.366	(1.165)	45028	102.739	3420

169228

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
Compounds								
58	4-Bromophenyl-phenylether	248	3.516	3.516	(0.937)	88148	102.723	3420
59	Hexachlorobenzene	284	3.532	3.532	(0.942)	100205	103.894	3460
60	Pentachlorophenol +	266	3.687	3.687	(0.983)	48105	82.4553	2750
* 61	Phenanthrene-d10	188	3.751	3.751	(1.000)	230707	40.0000	
62	Phenanthrene	178	3.767	3.767	(1.004)	556399	93.7425	3120
63	Anthracene	178	3.794	3.794	(1.011)	563207	95.3528	3180
64	Carbazole	167	3.922	3.922	(1.046)	488471	92.6488	3090
65	Di-n-butylphthalate	149	4.179	4.179	(1.114)	548225	92.9429	3100
67	Fluoranthene +	202	4.468	4.468	(1.191)	483252	89.9351	3000
68	Benzidine	184	4.591	4.591	(0.861)	20310	16.7907	560
69	Pyrene	202	4.591	4.596	(0.861)	493570	103.867	3460
$ 70	Terphenyl-d14	244	4.730	4.730	(0.887)	140787	53.8003	1790
71	Butylbenzylphthalate	149	5.061	5.062	(0.949)	202820	100.010	3330
73	3,3'-Dichlorobenzidine	252	5.356	5.356	(1.004)	89118	75.9627	2530
72	Benzo(a)anthracene	228	5.329	5.329	(0.999)	347932	93.2031	3110
* 74	Chrysene-d12	240	5.334	5.340	(1.000)	120519	40.0000	
76	bis(2-Ethylhexyl)phthalate	149	5.463	5.463	(1.024)	250295	97.3335	3240
75	Chrysene	228	5.350	5.350	(1.003)	373737	103.077	3440
77	Di-n-octylphthalate +	149	5.912	5.912	(1.108)	361583	93.3903	3110(H)
78	Benzo(b)fluoranthene	252	6.045	6.046	(0.960)	303097	108.289	3610
79	Benzo(k)fluoranthene	252	6.067	6.062	(0.963)	310505	103.952	3470
80	Benzo(a)pyrene +	252	6.254	6.260	(0.993)	257388	104.271	3480
* 81	Perylene-d12	264	6.297	6.297	(1.000)	80718	40.0000	
82	Indeno(1,2,3-cd)pyrene	276	6.987	6.987	(1.310)	197983	79.0047	2630
83	Dibenzo(a,h)anthracene	278	7.014	7.014	(1.114)	201317	95.6416	3190
84	Benzo(g,h,i)perylene	276	7.142	7.137	(1.134)	231938	95.4114	3180
M 66	Total Methylphenol	108				599285	158.464	5280
91	Acetophenone	105	1.462	1.457	(1.157)	198953	80.4007	2680
155	Benzaldehyde	77	1.082	1.082	(0.856)	56342	86.4470	2880
156	Caprolactam	113	2.178	2.163	(1.153)	61454	77.5677	2590
157	Biphenyl	154	2.569	2.569	(1.359)	570745	87.3729	2910
158	Atrazine	200	3.660	3.660	(0.976)	91102	97.3640	3250
174	1,4-Dioxane	88	0.429	0.419	(0.340)	116261	65.0783	2170

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

169229

Data File: /var/chem/MSSV4.i/2071223.s.b/c2066.d

Page 1

Date : 23-DEC-2007 17:26

Client ID: 1222LCS

Instrument: MSSV4.i

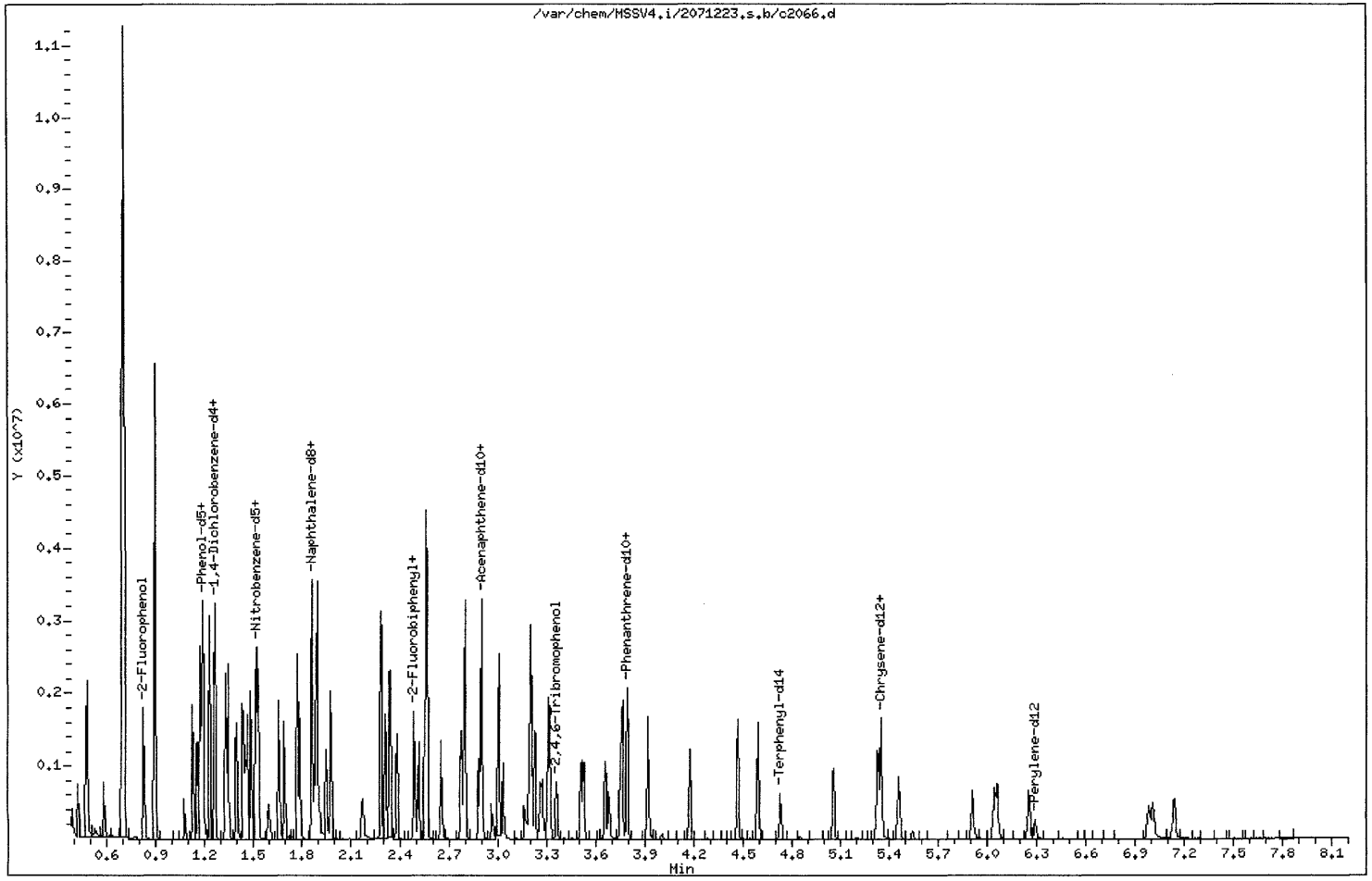
Sample Info: 558800%LCS%

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

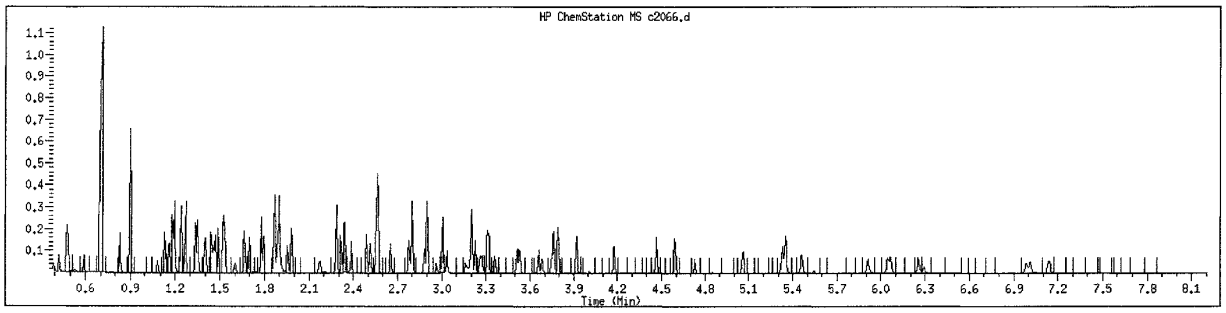
Column diameter: 0.25



Data file : /var/chem/MSSV4.i/2071223.s.b/c2066.d Page: 1
Report Date: 12/24/2007 09:36

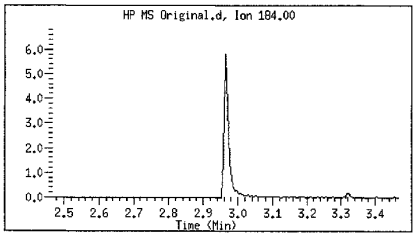
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 558800 SampleType : LCS
Injection Date: 12/23/2007 17:26 Instrument : MSSV4.i
Operator : rrr
Sample Info : 558800*LCS*
Misc Info : 1222LCS*MSSV~4727~*LCS*30.0-1*363956*
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



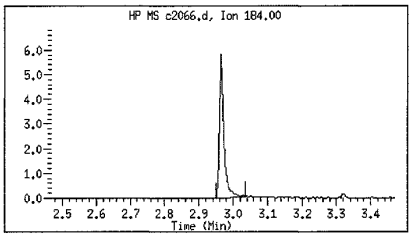
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



Electronic Signature
Applied

User: rrr
Date: 12/24/2007 08:29



M1 - Target system did not integrate

169231

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: LCSD558335
Contract:
Lab File ID: 2071223/c2084
Lab Sample ID: 558335
Date Collected: Time:
Date Received:
Date Extracted: 12/21/07
Date Analyzed: 12/23/07 Time: 2156
Dilution Factor: 1 Analyst: RRR
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363895 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	0.103		0.000088	0.010
120-12-7	Anthracene	0.105		0.000102	0.00200
56-55-3	Benzo(a)anthracene	0.111		0.000079	0.010
92-87-5	Benzidine	0.057		0.00718	0.040
205-99-2	Benzo(b)fluoranthene	0.113		0.000165	0.010
207-08-9	Benzo(k)fluoranthene	0.098		0.000066	0.010
191-24-2	Benzo(g,h,i)perylene	0.150		0.000141	0.010
50-32-8	Benzo(a)pyrene	0.109		0.000150	0.010
65-85-0	Benzoic acid	0.095		0.00100	0.050
85-68-7	Butylbenzylphthalate	0.110		0.000356	0.010
111-91-1	Bis(2-Chloroethoxy)methane	0.100		0.000241	0.010
111-44-4	Bis(2-Chloroethyl)ether	0.095		0.000470	0.010
108-60-1	bis(2-Chloroisopropyl)ether	0.096		0.000528	0.010
117-81-7	bis(2-ethylhexyl)phthalate	0.112		0.00191	0.010
101-55-3	4-Bromophenyl-phenylether	0.109		0.000366	0.010
86-74-8	Carbazole	0.103		0.000293	0.010
7005-72-3	4-Chlorophenyl-phenylether	0.106		0.000346	0.010
218-01-9	Chrysene	0.107		0.000056	0.010
53-70-3	Dibenz(a,h)anthracene	0.134		0.000257	0.010
132-64-9	Dibenzofuran	0.098		0.000320	0.010
91-94-1	3,3'-Dichlorobenzidine	0.119		0.00208	0.020
120-83-2	2,4-Dichlorophenol	0.097		0.000387	0.010
84-66-2	Diethylphthalate	0.111		0.000257	0.010
105-67-9	2,4-Dimethylphenol	0.082		0.00131	0.010
131-11-3	Dimethyl-phthalate	0.108		0.000206	0.010
117-84-0	Di-n-octylphthalate	0.120		0.000889	0.010
51-28-5	2,4-Dinitrophenol	0.053		0.00112	0.050
606-20-2	2,6-Dinitrotoluene	0.106		0.000410	0.010
206-44-0	Fluoranthene	0.106		0.000155	0.00200

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: LCSD558335
Contract:
Lab File ID: 2071223/c2084
Lab Sample ID: 558335
Date Collected: Time:
Date Received:
Date Extracted: 12/21/07
Date Analyzed: 12/23/07 Time: 2156
Dilution Factor: 1 Analyst: RRR
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363895 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	0.102		0.000110	0.010
118-74-1	Hexachlorobenzene	0.110		0.000256	0.010
77-47-4	Hexachlorocyclopentadiene	0.071		0.000597	0.010
67-72-1	Hexachloroethane	0.087		0.000842	0.00500
78-59-1	Isophorone	0.100		0.000240	0.010
193-39-5	Indeno(1,2,3-cd)pyrene	0.156		0.000158	0.010
91-57-6	2-Methylnaphthalene	0.096		0.000102	0.010
95-48-7	o-Cresol	0.102		0.000327	0.010
98-95-3	Nitrobenzene	0.077		0.000362	0.010
88-75-5	2-Nitrophenol	0.099		0.000522	0.010
62-75-9	N-Nitrosodimethylamine	0.102		0.00101	0.010
86-30-6	N-Nitrosodiphenylamine	0.113		0.000510	0.010
85-01-8	Phenanthrene	0.104		0.000137	0.00200
95-95-4	2,4,5-Trichlorophenol	0.102		0.000406	0.010
88-06-2	2,4,6-Trichlorophenol	0.104		0.000420	0.010
100-51-6	Benzyl alcohol	0.098		0.000442	0.010
62-53-3	Aniline	0.087		0.000556	0.010
110-86-1	Pyridine	0.073		0.000349	0.010
105-60-2	Caprolactam	0.101		0.00258	0.010
98-86-2	Acetophenone	0.096		0.000371	0.010
99-09-2	3-Nitroaniline	0.105		0.000400	0.050
100-01-6	4-Nitroaniline	0.105		0.000564	0.050
84-74-2	Di-n-butylphthalate	0.114		0.000944	0.00500
122-66-7	1,2 Diphenylhydrazine	0.101		0.000204	0.010
88-74-4	2-Nitroaniline	0.104		0.000267	0.050
91-58-7	2-Chloronaphthalene	0.097		0.000343	0.010
106-47-8	4-Chloroaniline	0.101		0.000786	0.010
1912-24-9	Atrazine (Aatrex)	0.109		0.00205	0.020
100-52-7	Benzaldehyde	0.202	E	0.00121	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: LCSD558335
Contract:
Lab File ID: 2071223/c2084
Lab Sample ID: 558335
Date Collected: Time:
Date Received:
Date Extracted: 12/21/07
Date Analyzed: 12/23/07 Time: 2156
Dilution Factor: 1 Analyst: RRR
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363895 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	0.104		0.000341	0.010
1319-77-3M	m,p-Cresol	0.099		0.000295	0.010
534-52-1	2-Methyl-4,6-dinitrophenol	0.071		0.000284	0.050
108-95-2	Phenol	0.098		0.000325	0.010
95-57-8	2-Chlorophenol	0.095		0.000344	0.010
621-64-7	N-Nitroso-di-n-propylamine	0.101		0.000313	0.010
59-50-7	4-Chloro-3-methylphenol	0.103		0.000408	0.010
83-32-9	Acenaphthene	0.098		0.000135	0.010
100-02-7	4-Nitrophenol	0.100		0.00201	0.050
121-14-2	2,4-Dinitrotoluene	0.110		0.000464	0.010
87-86-5	Pentachlorophenol	0.113		0.00106	0.050
129-00-0	Pyrene	0.101		0.000089	0.00200

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2084.d
Lab Smp Id: 558335 Client Smp ID: 1221LCSD
Inj Date : 23-DEC-2007 21:56
Operator : rrr Inst ID: MSSV4.i
Smp Info : 558335*LCSD*
Misc Info : 1221LCSD*MSSV~4727~*LCSD*1000-1*363895*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:34 rrr Quant Type: ISTD
Cal Date : 07-NOV-2007 03:14 Cal File: c0245.d
Als bottle: 35 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SA8270.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	2 Pyridine	79	0.478	0.478	(0.379)	280953	72.6566	72.7
	1 n-Nitrosodimethylamine	42	0.472	0.467	(0.375)	118071	102.152	102(R)
$	3 2-Fluorophenol	112	0.815	0.825	(0.647)	309027	95.9323	95.9
$	4 Phenol-d5	99	1.173	1.189	(0.932)	495928	113.094	113(R)
	5 Aniline	93	1.130	1.130	(0.898)	469017	87.0759	87.1
	6 Phenol +	94	1.178	1.194	(0.936)	439521	98.2170	98.2(R)
	7 bis(-2-Chloroethyl)Ether	63	1.157	1.157	(0.919)	224584	94.9025	94.9
	8 2-Chlorophenol	128	1.194	1.200	(0.949)	289014	94.7788	94.8
	9 1,3-Dichlorobenzene	146	1.237	1.232	(0.983)	306766	91.1847	91.2
*	10 1,4-Dichlorobenzene-d4	152	1.258	1.259	(1.000)	85991	40.0000	
	11 1,4-Dichlorobenzene +	146	1.269	1.269	(1.008)	307721	90.4049	90.4
	12 Benzyl alcohol	108	1.349	1.350	(1.072)	206396	98.1454	98.1
	13 1,2-Dichlorobenzene	146	1.333	1.334	(1.060)	295095	90.1082	90.1

169235

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	15 2-Methylphenol	108	1.435	1.446	(1.140)	305723	101.892	102
	14 Bis(2-chloroisopropyl)ether	45	1.403	1.403	(1.115)	398475	96.2138	96.2
	17 3- & 4-Methylphenol	108	1.521	1.526	(1.208)	314742	98.7357	98.7
	16 N-Nitroso-di-n-propylamine++	70	1.467	1.467	(1.166)	253171	101.126	101
	18 Hexachloroethane	117	1.488	1.489	(1.183)	121065	86.9178	86.9
$	19 Nitrobenzene-d5	82	1.526	1.526	(0.808)	176918	50.9540	51.0(M1)
	20 Nitrobenzene	77	1.537	1.537	(0.813)	390495	77.2040	77.2
	21 Isophorone	82	1.665	1.660	(0.881)	648547	100.274	100
	22 2-Nitrophenol +	139	1.697	1.697	(0.898)	158389	98.8301	98.8
	23 2,4-Dimethyphenol	107	1.777	1.777	(0.941)	273092	82.4346	82.4
	24 bis(-2-Chloroethoxy)methane	93	1.793	1.794	(0.949)	382067	99.8246	99.8
	25 Benzoic Acid	122	1.911	1.906	(1.011)	125655	95.1902	95.2(R)
	26 2,4-Dichlorophenol +	162	1.868	1.879	(0.989)	220356	97.0428	97.0
	27 1,2,4-Trichlorobenzene	180	1.868	1.863	(0.989)	239345	94.7354	94.7
*	28 Naphthalene-d8	136	1.890	1.890	(1.000)	322606	40.0000	
	29 Naphthalene	128	1.900	1.900	(1.006)	812017	96.9593	97.0
	30 4-Chloroaniline	127	1.954	1.954	(1.034)	325566	101.166	101
	31 Hexachlorobutadiene +	225	1.981	1.981	(1.048)	135433	100.985	101
	32 4-Chloro-3-Methylphenol +	107	2.307	2.318	(1.221)	267825	102.583	103
	33 2-Methylnaphthalene	142	2.291	2.286	(1.212)	519036	95.8398	95.8
	145 1-Methylnapthalene	142	2.344	2.339	(1.241)	469272	94.7795	94.8
	34 Hexachlorocyclopentadiene ++	237	2.387	2.387	(0.828)	104426	70.4958	70.5
	35 2,4,6-Trichlorophenol +	196	2.489	2.494	(0.863)	157194	103.752	104
	36 2,4,5-Trichlorphenol	196	2.548	2.558	(0.883)	164600	101.731	102
$	37 2-Fluorobiphenyl	172	2.515	2.516	(0.872)	268624	51.2482	51.2
	38 2-Chloronaphthalene	162	2.564	2.564	(0.889)	466603	96.6825	96.7
	39 2-Nitroaniline	138	2.654	2.655	(0.920)	171403	104.031	104
	40 Dimethylphthalate	163	2.778	2.778	(0.963)	501247	108.199	108
	41 2,6-Dinitrotoluene	165	2.804	2.799	(0.972)	117667	106.077	106
	42 Acenaphthylene	152	2.799	2.799	(0.970)	766791	102.546	103
	43 3-Nitroaniline	138	2.901	2.901	(1.006)	133168	105.148	105
*	44 Acenaphthene-d10	164	2.884	2.885	(1.000)	164068	40.0000	
	45 Acenaphthene +	153	2.901	2.901	(1.006)	449120	98.4404	98.4
	46 2,4-Dinitrophenol ++	184	2.965	2.965	(1.028)	33132	52.7767	52.8(M1)
	49 4-Nitrophenol ++	109	3.152	3.179	(1.093)	76162	99.4552	99.5(R)
	47 Dibenzofuran	168	3.007	3.008	(1.043)	633019	97.4876	97.5
	48 2,4-Dinitrotoluene	165	3.040	3.034	(1.054)	150316	110.263	110
	50 Diethylphthalate	149	3.200	3.200	(1.109)	467690	111.493	111
	52 4-Chlorophenyl-phenylether	204	3.232	3.232	(1.121)	228845	106.091	106
	51 Fluorene	166	3.205	3.206	(1.111)	496643	102.069	102
	53 4-Nitroaniline	138	2.901	2.901	(1.006)	133168	105.147	105
	54 4,6-Dinitro-o-cresol	198	3.280	3.275	(0.875)	60687	70.6354	70.6
	55 N-nitrosodiphenylamine (1)+	169	3.312	3.313	(0.883)	342596	112.626	113
	56 Azobenzene	77	3.323	3.318	(0.886)	698442	101.342	101
$	57 2,4,6-Tribromophenol	332	3.366	3.366	(1.167)	45645	100.592	101
	58 4-Bromophenyl-phenylether	248	3.516	3.516	(0.937)	98512	109.333	109
	59 Hexachlorobenzene	284	3.532	3.532	(0.942)	111162	109.765	110

169236

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	60 Pentachlorophenol +	266	3.687	3.687	(0.983)	69447	113.367	113
*	61 Phenanthrene-d10	188	3.751	3.751	(1.000)	242245	40.0000	
	62 Phenanthrene	178	3.767	3.767	(1.004)	648087	103.989	104
	63 Anthracene	178	3.799	3.794	(1.013)	654292	105.498	105
	64 Carbazole	167	3.922	3.922	(1.046)	568738	102.735	103
	65 Di-n-butylphthalate	149	4.179	4.179	(1.114)	705593	113.925	114
	67 Fluoranthene +	202	4.468	4.468	(1.191)	596602	105.742	106
	68 Benzidine	184	4.591	4.591	(0.860)	85888	56.4954	56.5
	69 Pyrene	202	4.596	4.596	(0.861)	603226	101.003	101
$	70 Terphenyl-d14	244	4.730	4.730	(0.886)	176522	53.6716	53.7
	71 Butylbenzylphthalate	149	5.061	5.062	(0.948)	281193	110.322	110
	73 3,3'-Dichlorobenzidine	252	5.356	5.356	(1.003)	174819	118.562	119
	72 Benzo(a)anthracene	228	5.334	5.329	(0.999)	523002	111.471	111
*	74 Chrysene-d12	240	5.340	5.340	(1.000)	151472	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.463	5.463	(1.023)	360564	111.562	112
	75 Chrysene	228	5.356	5.350	(1.003)	487082	106.886	107
	77 Di-n-octylphthalate +	149	5.912	5.912	(1.107)	582902	119.788	120(H)
	78 Benzo(b)fluoranthene	252	6.051	6.046	(0.961)	570194	113.080	113
	79 Benzo(k)fluoranthene	252	6.067	6.062	(0.963)	527289	97.9875	98.0
	80 Benzo(a)pyrene +	252	6.259	6.260	(0.994)	484521	108.955	109
*	81 Perylene-d12	264	6.297	6.297	(1.000)	145416	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	6.998	6.987	(1.311)	590225	156.314	156(RM2)
	83 Dibenzo(a,h)anthracene	278	7.024	7.014	(1.116)	543458	134.203	134
	84 Benzo(g,h,i)perylene	276	7.153	7.137	(1.136)	726092	149.576	150(R)
M	66 Total Methylphenol	108				620465	200.532	201(A)
	91 Acetophenone	105	1.456	1.457	(1.157)	193300	95.4798	95.5
	155 Benzaldehyde	77	1.082	1.082	(0.860)	79740	202.469	202(AR)
	156 Caprolactam	113	2.178	2.163	(1.153)	71738	101.230	101(R)
	157 Biphenyl	154	2.569	2.569	(1.359)	608789	104.191	104
	158 Atrazine	200	3.665	3.660	(0.977)	107034	108.943	109
	174 1,4-Dioxane	88	0.419	0.419	(0.333)	119322	83.6530	83.7

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

Data File: /var/chem/MSSV4.i/2071223.s.b/c2084.d

Page 1

Date : 23-DEC-2007 21:56

Client ID: 1221LCSD

Instrument: MSSV4.i

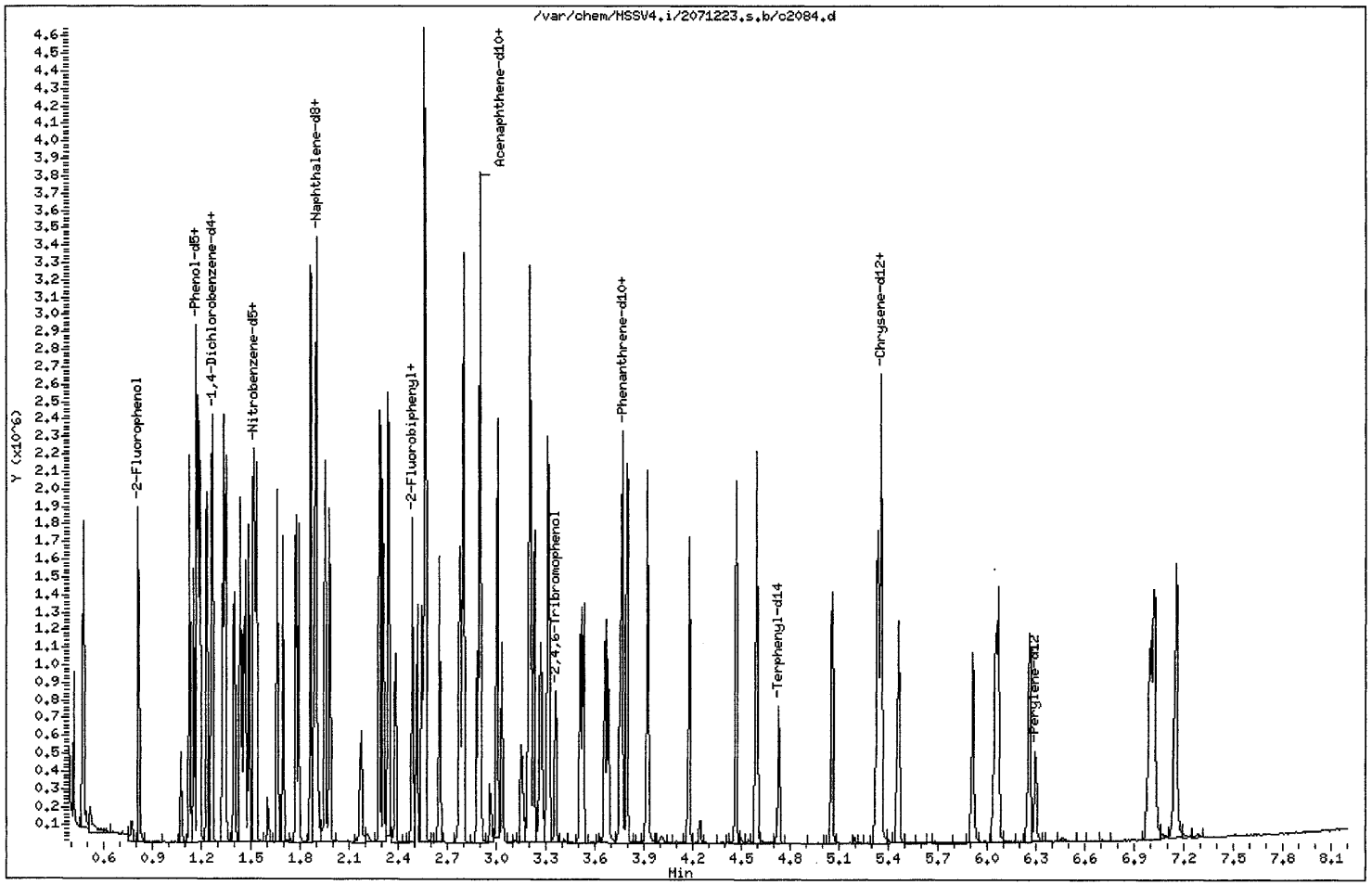
Sample Info: 558335*LCSD*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

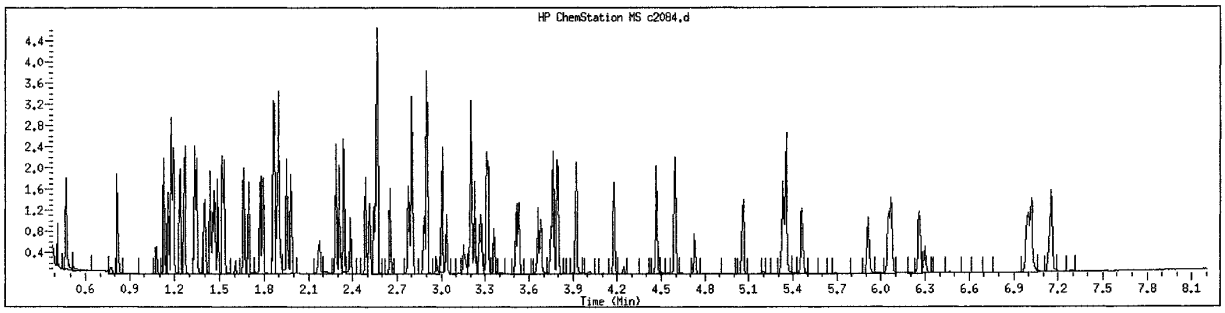


169238

Data file : /var/chem/MSSV4.i/2071223.s.b/c2084.d Page: 1
Report Date: 12/24/2007 09:36

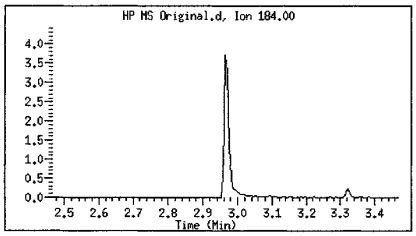
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 558335 SampleType : LCSD
Injection Date: 12/23/2007 21:56 Instrument : MSSV4.i
Operator : rrr
Sample Info : 558335*LCSD*
Misc Info : 1221LCSD*MSSV~4727~*LCSD*1000-1*363895*
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: SA8270



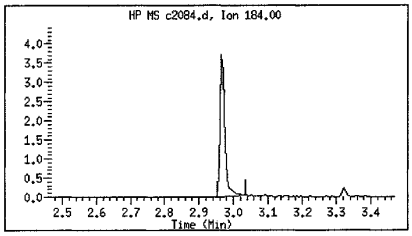
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1

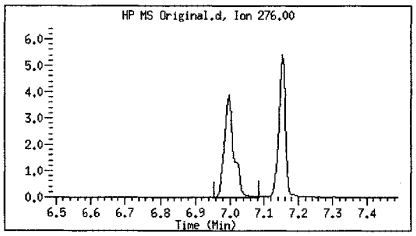


Electronic Signature
Applied

User: rrr
Date: 12/24/2007 09:11

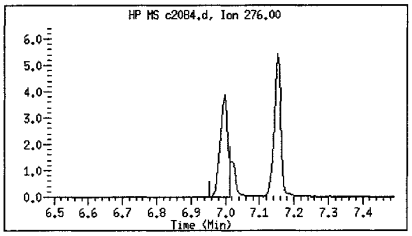


82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



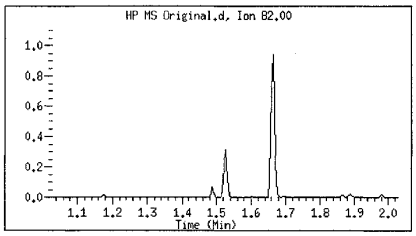
Electronic Signature
Applied

User: rrr
Date: 12/24/2007 09:11



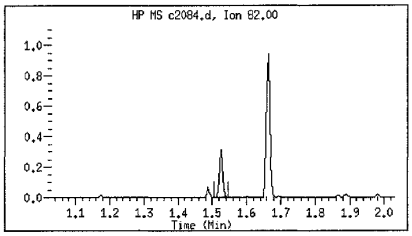
Original Final

$ 19 Nitrobenzene-d5 CAS#: 4165-60-0 Reason: M1



Electronic Signature Applied

User: rrr
Date: 12/24/2007 09:10



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: LCSD558801
Contract:
Lab File ID: 2071223/c2067
Lab Sample ID: 558801
Date Collected: Time:
Date Received:
Date Extracted: 12/22/07
Date Analyzed: 12/23/07 Time: 1741
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363956 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	3.31		0.00640	0.066
120-12-7	Anthracene	3.35		0.00590	0.066
56-55-3	Benzo(a)anthracene	3.37		0.00419	0.066
92-87-5	Benzidine	0.614	J	0.252	1.32
205-99-2	Benzo(b)fluoranthene	3.81		0.00977	0.330
207-08-9	Benzo(k)fluoranthene	3.63		0.00881	0.330
191-24-2	Benzo(g,h,i)perylene	3.32		0.00715	0.330
50-32-8	Benzo(a)pyrene	3.63		0.00714	0.066
65-85-0	Benzoic acid	2.91		0.032	1.65
85-68-7	Butylbenzylphthalate	3.59		0.00760	0.330
111-91-1	Bis(2-Chloroethoxy)methane	3.02		0.00746	0.330
111-44-4	Bis(2-Chloroethyl)ether	2.94		0.029	0.330
108-60-1	bis(2-Chloroisopropyl)ether	2.95		0.033	0.330
117-81-7	bis(2-ethylhexyl)phthalate	3.56		0.038	0.066
101-55-3	4-Bromophenyl-phenylether	3.73		0.00603	0.330
86-74-8	Carbazole	3.23		0.00765	0.330
7005-72-3	4-Chlorophenyl-phenylether	3.40		0.00641	0.330
218-01-9	Chrysene	3.57		0.00625	0.330
53-70-3	Dibenz(a,h)anthracene	3.25		0.00545	0.066
132-64-9	Dibenzofuran	3.12		0.00505	0.330
91-94-1	3,3'-Dichlorobenzidine	2.87		0.023	0.660
120-83-2	2,4-Dichlorophenol	3.15		0.00778	0.330
84-66-2	Diethylphthalate	3.11		0.00630	0.330
105-67-9	2,4-Dimethylphenol	2.93		0.00882	0.330
131-11-3	Dimethyl-phthalate	3.30		0.00509	0.330
117-84-0	Di-n-octylphthalate	3.39		0.018	0.330
51-28-5	2,4-Dinitrophenol	2.82		0.016	1.65
606-20-2	2,6-Dinitrotoluene	3.03		0.00567	0.330
206-44-0	Fluoranthene	3.24		0.00536	0.330

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: LCSD558801
Contract:
Lab File ID: 2071223/c2067
Lab Sample ID: 558801
Date Collected: Time:
Date Received:
Date Extracted: 12/22/07
Date Analyzed: 12/23/07 Time: 1741
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363956 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	3.23		0.00546	0.066
118-74-1	Hexachlorobenzene	3.61		0.011	0.330
77-47-4	Hexachlorocyclopentadiene	3.22		0.019	0.330
67-72-1	Hexachloroethane	2.89		0.029	0.330
78-59-1	Isophorone	3.07		0.00749	0.330
193-39-5	Indeno(1,2,3-cd)pyrene	2.87		0.010	0.330
91-57-6	2-Methylnaphthalene	2.93		0.00803	0.066
95-48-7	o-Cresol	2.97		0.017	0.330
98-95-3	Nitrobenzene	3.18		0.040	0.330
88-75-5	2-Nitrophenol	3.23		0.00959	0.330
62-75-9	N-Nitrosodimethylamine	3.41		0.097	0.330
86-30-6	N-Nitrosodiphenylamine	3.55		0.00564	0.330
85-01-8	Phenanthrene	3.31		0.00578	0.066
95-95-4	2,4,5-Trichlorophenol	3.27		0.00654	0.330
88-06-2	2,4,6-Trichlorophenol	3.33		0.00755	0.330
100-51-6	Benzyl alcohol	2.96		0.010	0.330
62-53-3	Aniline	2.30		0.018	0.330
110-86-1	Pyridine	2.37		0.016	0.330
105-60-2	Caprolactam	2.80		0.00978	0.330
98-86-2	Acetophenone	2.83		0.00818	0.330
99-09-2	3-Nitroaniline	2.24		0.031	1.65
100-01-6	4-Nitroaniline	2.24		0.00804	1.65
84-74-2	Di-n-butylphthalate	3.33		0.00664	0.330
122-66-7	1,2 Diphenylhydrazine	3.36		0.00966	0.330
88-74-4	2-Nitroaniline	3.19		0.00584	1.65
91-58-7	2-Chloronaphthalene	3.23		0.00901	0.330
106-47-8	4-Chloroaniline	2.13		0.00400	0.330
1912-24-9	Atrazine (Aatrex)	3.58		0.016	0.660
100-52-7	Benzaldehyde	2.93		0.026	0.660

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: LCSD558801
Contract:
Lab File ID: 2071223/c2067
Lab Sample ID: 558801
Date Collected: Time:
Date Received:
Date Extracted: 12/22/07
Date Analyzed: 12/23/07 Time: 1741
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363956 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	3.10		0.00551	0.330
1319-77-3M	m,p-Cresol	2.91		0.00965	0.330
534-52-1	2-Methyl-4,6-dinitrophenol	3.19		0.039	1.65
108-95-2	Phenol	2.88		0.010	0.330
95-57-8	2-Chlorophenol	3.02		0.014	0.330
621-64-7	N-Nitroso-di-n-propylamine	2.86		0.00984	0.066
59-50-7	4-Chloro-3-methylphenol	2.98		0.00806	0.330
83-32-9	Acenaphthene	3.24		0.00887	0.066
100-02-7	4-Nitrophenol	3.00		0.034	1.65
121-14-2	2,4-Dinitrotoluene	3.31		0.021	0.330
87-86-5	Pentachlorophenol	3.00		0.017	1.65
129-00-0	Pyrene	3.74		0.00676	0.330

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2067.d
Lab Smp Id: 558801 Client Smp ID: 1222LCSD
Inj Date : 23-DEC-2007 17:41
Operator : rrr Inst ID: MSSV4.i
Smp Info : 558801*LCSD*
Misc Info : 1222LCSD*MSSV~4727~*LCSD*30.0-1*363956*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:34 rrr Quant Type: ISTD
Cal Date : 07-NOV-2007 03:14 Cal File: c0245.d
Als bottle: 18 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SA8270.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula:
Amt * DF * (Uf * Vt/(Vi * Ws * (100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
	2 Pyridine	79	0.483	0.478	(0.382)	321310	71.0443	2370
	1 n-Nitrosodimethylamine	42	0.478	0.467	(0.378)	138436	102.420	3410
$	3 2-Fluorophenol	112	0.825	0.825	(0.653)	380609	101.076	3370
$	4 Phenol-d5	99	1.178	1.189	(0.932)	483531	94.3292	3140
	5 Aniline	93	1.130	1.130	(0.894)	434643	69.0307	2300
	6 Phenol +	94	1.184	1.194	(0.937)	451832	86.3743	2880
	7 bis(-2-Chloroethyl)Ether	63	1.157	1.157	(0.915)	243645	88.0759	2940
	8 2-Chlorophenol	128	1.194	1.200	(0.945)	323292	90.6959	3020
	9 1,3-Dichlorobenzene	146	1.237	1.232	(0.979)	341152	86.7487	2890
*	10 1,4-Dichlorobenzene-d4	152	1.264	1.259	(1.000)	100520	40.0000	
	11 1,4-Dichlorobenzene +	146	1.269	1.269	(1.004)	346676	87.1283	2900

169244

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
	12 Benzyl alcohol	108	1.350	1.350	(1.068)	217968	88.6670	2960
	13 1,2-Dichlorobenzene	146	1.333	1.334	(1.055)	329034	85.9496	2860
	15 2-Methylphenol	108	1.440	1.446	(1.140)	312215	89.0157	2970
	14 Bis(2-chloroisopropyl)ether	45	1.403	1.403	(1.110)	427734	88.3508	2950
	17 3- & 4-Methylphenol	108	1.521	1.526	(1.203)	324852	87.1778	2910
	16 N-Nitroso-di-n-propylamine++	70	1.473	1.467	(1.165)	250855	85.7184	2860
	18 Hexachloroethane	117	1.489	1.489	(1.178)	141210	86.7273	2890
$	19 Nitrobenzene-d5	82	1.526	1.526	(0.808)	186586	49.3406	1640(M1)
	20 Nitrobenzene	77	1.537	1.537	(0.813)	526067	95.4958	3180
	21 Isophorone	82	1.665	1.660	(0.881)	648870	92.1132	3070
	22 2-Nitrophenol +	139	1.697	1.697	(0.898)	169383	97.0404	3230
	23 2,4-Dimethyphenol	107	1.777	1.777	(0.941)	317694	88.0498	2930
	24 bis(-2-Chloroethoxy)methane	93	1.793	1.794	(0.949)	377096	90.4626	3020
	25 Benzoic Acid	122	1.917	1.906	(1.014)	125571	87.3415	2910
	26 2,4-Dichlorophenol +	162	1.868	1.879	(0.989)	233729	94.5083	3150
	27 1,2,4-Trichlorobenzene	180	1.863	1.863	(0.986)	261790	95.1393	3170
*	28 Naphthalene-d8	136	1.890	1.890	(1.000)	351361	40.0000	
	29 Naphthalene	128	1.900	1.900	(1.006)	843788	92.5074	3080
	30 4-Chloroaniline	127	1.954	1.954	(1.034)	223461	63.7551	2130
	31 Hexachlorobutadiene +	225	1.981	1.981	(1.048)	151912	104.002	3470
	32 4-Chloro-3-Methylphenol +	107	2.312	2.318	(1.224)	253812	89.2598	2980
	33 2-Methylnaphthalene	142	2.286	2.286	(1.209)	519033	87.9959	2930
	145 1-Methylnapthalene	142	2.339	2.339	(1.238)	491457	91.1369	3040
	34 Hexachlorocyclopentadiene ++	237	2.387	2.387	(0.828)	141443	96.7203	3220
	35 2,4,6-Trichlorophenol +	196	2.489	2.494	(0.863)	149203	99.7515	3330
	36 2,4,5-Trichlorphenol	196	2.553	2.558	(0.885)	156902	98.2271	3270
$	37 2-Fluorobiphenyl	172	2.516	2.516	(0.872)	265172	51.2440	1710
	38 2-Chloronaphthalene	162	2.564	2.564	(0.889)	461154	96.7893	3230
	39 2-Nitroaniline	138	2.655	2.655	(0.920)	155722	95.7364	3190
	40 Dimethylphthalate	163	2.778	2.778	(0.963)	453206	99.0945	3300
	41 2,6-Dinitrotoluene	165	2.804	2.799	(0.972)	99643	90.9905	3030
	42 Acenaphthylene	152	2.799	2.799	(0.970)	732174	99.1829	3310
	43 3-Nitroaniline	138	2.901	2.901	(1.006)	83989	67.1743	2240
*	44 Acenaphthene-d10	164	2.885	2.885	(1.000)	161973	40.0000	
	45 Acenaphthene +	153	2.901	2.901	(1.006)	438228	97.2954	3240
	46 2,4-Dinitrophenol ++	184	2.965	2.965	(1.028)	52346	84.4616	2820(M1)
	49 4-Nitrophenol ++	109	3.163	3.179	(1.096)	67960	89.8926	3000
	47 Dibenzofuran	168	3.008	3.008	(1.043)	600683	93.7042	3120
	48 2,4-Dinitrotoluene	165	3.034	3.034	(1.052)	133802	99.4190	3310
	50 Diethylphthalate	149	3.200	3.200	(1.109)	386944	93.4368	3110
	52 4-Chlorophenyl-phenylether	204	3.232	3.232	(1.121)	216923	101.865	3400
	51 Fluorene	166	3.206	3.206	(1.111)	464904	96.7820	3230
	53 4-Nitroaniline	138	2.901	2.901	(1.006)	83989	67.1742	2240
	54 4,6-Dinitro-o-cresol	198	3.275	3.275	(0.873)	76460	95.7609	3190
	55 N-nitrosodiphenylamine (1)+	169	3.312	3.313	(0.883)	300735	106.382	3550
	56 Azobenzene	77	3.323	3.318	(0.886)	646567	100.949	3360
$	57 2,4,6-Tribromophenol	332	3.361	3.366	(1.165)	42680	95.2744	3180

169245

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
Compounds								
58	4-Bromophenyl-phenylether	248	3.516	3.516	(0.937)	93782	111.997	3730
59	Hexachlorobenzene	284	3.532	3.532	(0.942)	101968	108.343	3610
60	Pentachlorophenol +	266	3.687	3.687	(0.983)	51191	89.9198	3000
* 61	Phenanthrene-d10	188	3.751	3.751	(1.000)	225127	40.0000	
62	Phenanthrene	178	3.767	3.767	(1.004)	575336	99.3356	3310
63	Anthracene	178	3.794	3.794	(1.011)	579829	100.600	3350
64	Carbazole	167	3.922	3.922	(1.046)	498791	96.9511	3230(R)
65	Di-n-butylphthalate	149	4.179	4.179	(1.114)	574571	99.8239	3330
67	Fluoranthene +	202	4.468	4.468	(1.191)	509064	97.0870	3240
68	Benzidine	184	4.591	4.591	(0.861)	22290	18.4079	614
69	Pyrene	202	4.596	4.596	(0.862)	533318	112.112	3740
$ 70	Terphenyl-d14	244	4.730	4.730	(0.887)	150391	57.4089	1910
71	Butylbenzylphthalate	149	5.061	5.062	(0.949)	218916	107.832	3590
73	3,3'-Dichlorobenzidine	252	5.356	5.356	(1.004)	101005	86.0029	2870
72	Benzo(a)anthracene	228	5.329	5.329	(0.999)	377463	101.006	3370
* 74	Chrysene-d12	240	5.334	5.340	(1.000)	120648	40.0000	
76	bis(2-Ethylhexyl)phthalate	149	5.463	5.463	(1.024)	274693	106.707	3560
75	Chrysene	228	5.350	5.350	(1.003)	388572	107.054	3570
77	Di-n-octylphthalate +	149	5.912	5.912	(1.108)	394079	101.675	3390(H)
78	Benzo(b)fluoranthene	252	6.046	6.046	(0.960)	336303	114.250	3810(R)
79	Benzo(k)fluoranthene	252	6.067	6.062	(0.963)	342046	108.886	3630
80	Benzo(a)pyrene +	252	6.254	6.260	(0.993)	282952	108.996	3630
* 81	Perylene-d12	264	6.297	6.297	(1.000)	84888	40.0000	
82	Indeno(1,2,3-cd)pyrene	276	6.987	6.987	(1.310)	218992	86.1257	2870(M1)
83	Dibenzo(a,h)anthracene	278	7.014	7.014	(1.114)	216805	97.6380	3250
84	Benzo(g,h,i)perylene	276	7.142	7.137	(1.134)	256790	99.7377	3320
M 66	Total Methylphenol	108				637067	176.138	5870
91	Acetophenone	105	1.457	1.457	(1.152)	200766	84.8341	2830
155	Benzaldehyde	77	1.082	1.082	(0.856)	54474	87.8622	2930
156	Caprolactam	113	2.179	2.163	(1.153)	64825	83.9886	2800
157	Biphenyl	154	2.569	2.569	(1.359)	592397	93.0882	3100
158	Atrazine	200	3.666	3.660	(0.977)	98091	107.432	3580
174	1,4-Dioxane	88	0.430	0.419	(0.340)	45011	17.7583	592(M1)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

Data File: /var/chem/MSSV4.i/2071223.s.b/c2067.d

Page 1

Date : 23-DEC-2007 17:41

Client ID: 1222LCSD

Instrument: MSSV4.i

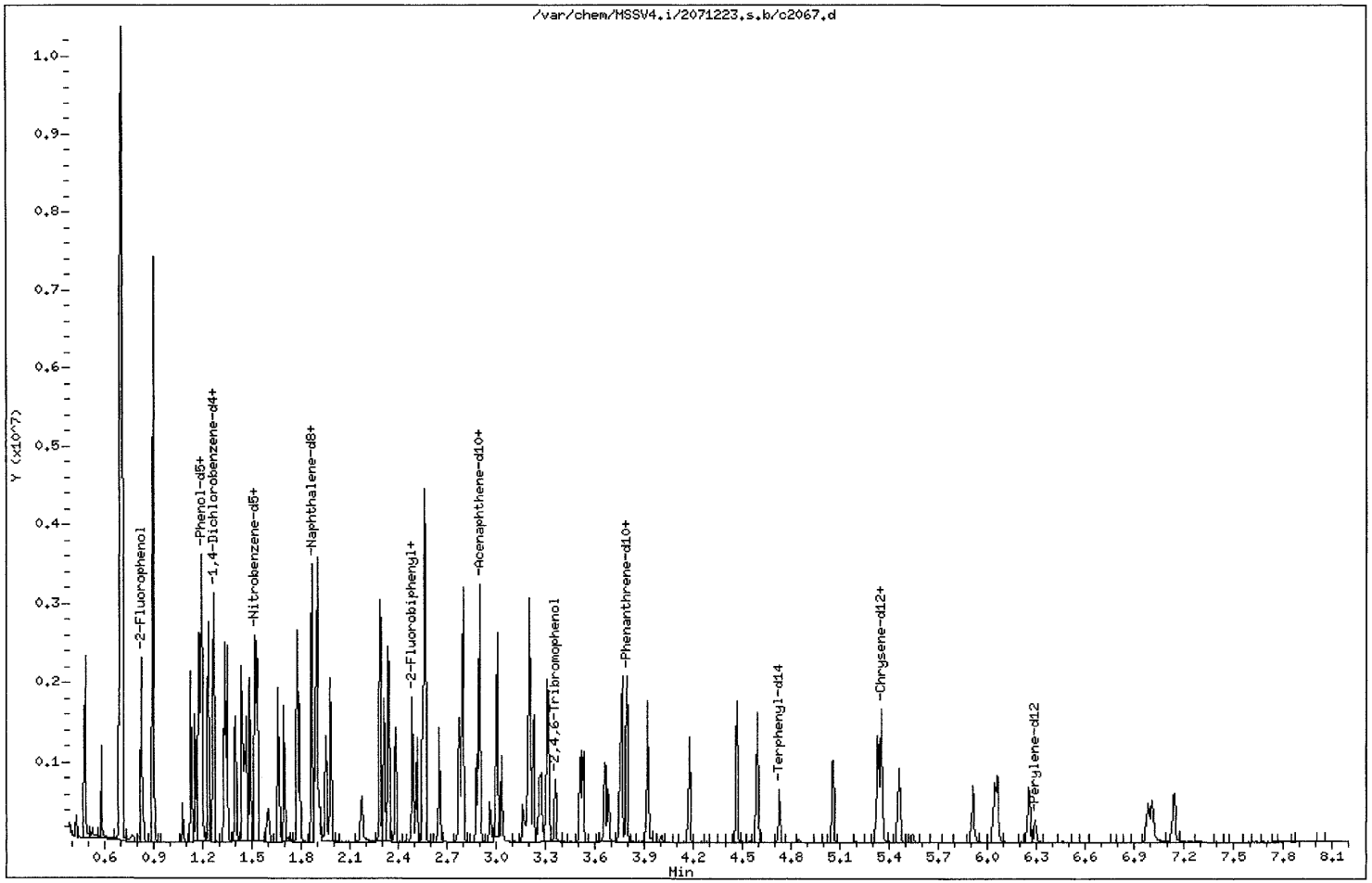
Sample Info: 558801*LCSD*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

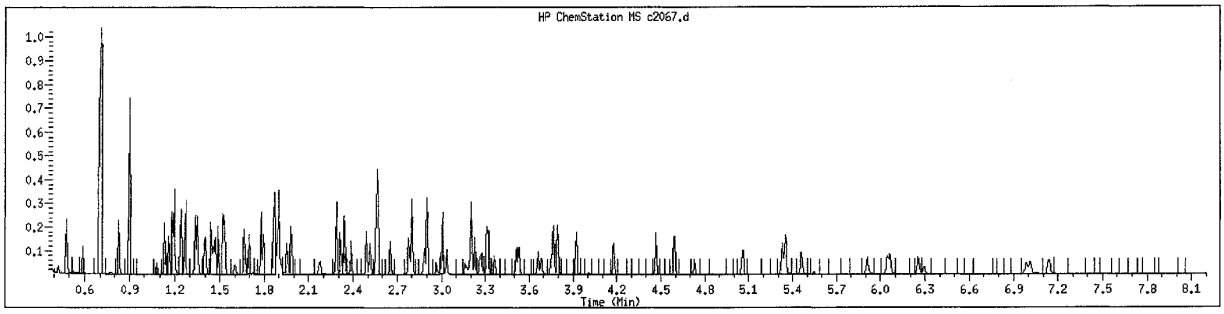
Column diameter: 0.25



Data file : /var/chem/MSSV4.i/2071223.s.b/c2067.d Page: 1
Report Date: 12/24/2007 09:36

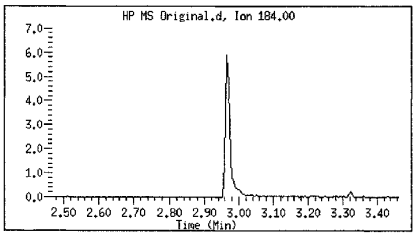
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 558801 SampleType : LCSD
Injection Date: 12/23/2007 17:41 Instrument : MSSV4.i
Operator : rrr
Sample Info : 558801*LCSD*
Misc Info : 1222LCSD*MSSV~4727~*LCSD*30.0-1*363956*
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



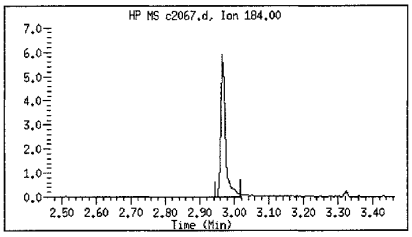
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1

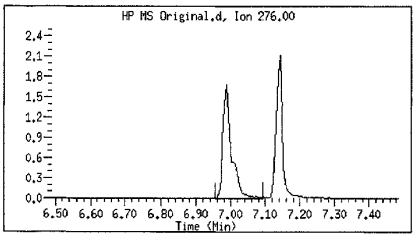


Electronic Signature Applied

User: rrr
Date: 12/24/2007 08:29



82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M1



Electronic Signature Applied

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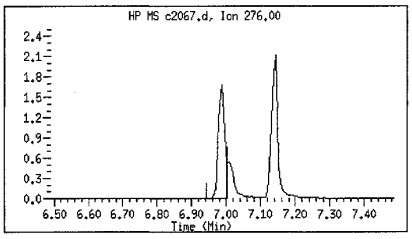
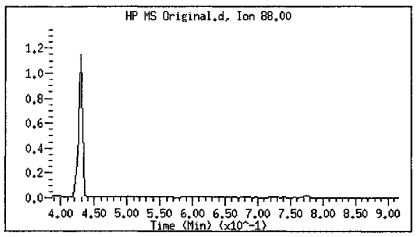
Date: 12/24/2007 08:30



Original Final

174 1,4-Dioxane CAS#: 123-91-1 Reason: M1



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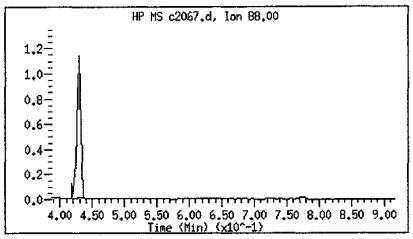
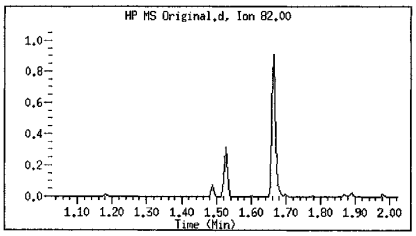


$ 19 Nitrobenzene-d5 CAS#: 4165-60-0 Reason: M1



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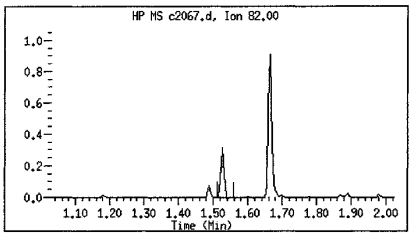


M1 - Target system did not integrate

169249

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 18.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED9 MS (1-2)
Contract:
Lab File ID: 2071223/c2069
Lab Sample ID: 20712202002
Date Collected: 12/19/07 Time: 1200
Date Received: 12/20/07
Date Extracted: 12/22/07
Date Analyzed: 12/23/07 Time: 1811
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363956 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	3.83		0.012	0.400
95-95-4	2,4,5-Trichlorophenol	3.84		0.00792	0.400
88-06-2	2,4,6-Trichlorophenol	4.00		0.00915	0.400
120-83-2	2,4-Dichlorophenol	3.81		0.00943	0.400
51-28-5	2,4-Dinitrophenol	2.56		0.019	2.00
121-14-2	2,4-Dinitrotoluene	3.53		0.025	0.400
606-20-2	2,6-Dinitrotoluene	3.57		0.00687	0.400
91-58-7	2-Chloronaphthalene	3.74		0.011	0.400
95-57-8	2-Chlorophenol	3.70		0.017	0.400
91-57-6	2-Methylnaphthalene	3.59		0.00973	0.080
88-74-4	2-Nitroaniline	3.57		0.00708	2.00
88-75-5	2-Nitrophenol	3.94		0.012	0.400
91-94-1	3,3'-Dichlorobenzidine	3.43		0.028	0.800
99-09-2	3-Nitroaniline	2.82		0.037	2.00
534-52-1	2-Methyl-4,6-dinitrophenol	3.28		0.047	2.00
59-50-7	4-Chloro-3-methylphenol	3.71		0.00977	0.400
106-47-8	4-Chloroaniline	2.73		0.00485	0.400
7005-72-3	4-Chlorophenyl-phenylether	4.10		0.00777	0.400
83-32-9	Acenaphthene	3.79		0.011	0.080
208-96-8	Acenaphthylene	3.92		0.00775	0.080
98-86-2	Acetophenone	3.48		0.00991	0.400
62-53-3	Aniline	2.82		0.021	0.400
120-12-7	Anthracene	3.93		0.00715	0.080
1912-24-9	Atrazine (Aatrex)	4.01		0.019	0.800
100-52-7	Benzaldehyde	6.28		0.032	0.800
92-87-5	Benzidine	0.685	J	0.305	1.60
56-55-3	Benzo(a)anthracene	3.95		0.00508	0.080
50-32-8	Benzo(a)pyrene	4.18		0.00865	0.080
205-99-2	Benzo(b)fluoranthene	4.44		0.012	0.400

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 18.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED9 MS (1-2)
Contract:
Lab File ID: 2071223/c2069
Lab Sample ID: 20712202002
Date Collected: 12/19/07 Time: 1200
Date Received: 12/20/07
Date Extracted: 12/22/07
Date Analyzed: 12/23/07 Time: 1811
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363956 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	3.72		0.00866	0.400
207-08-9	Benzo(k)fluoranthene	4.26		0.011	0.400
65-85-0	Benzoic acid	2.26		0.039	2.00
100-51-6	Benzyl alcohol	3.74		0.012	0.400
92-52-4	Biphenyl	3.81		0.00668	0.400
111-91-1	Bis(2-Chloroethoxy)methane	3.85		0.00904	0.400
111-44-4	Bis(2-Chloroethyl)ether	3.65		0.035	0.400
108-60-1	bis(2-Chloroisopropyl)ether	3.65		0.039	0.400
117-81-7	bis(2-ethylhexyl)phthalate	4.16		0.047	0.080
101-55-3	4-Bromophenyl-phenylether	4.17		0.00731	0.400
85-68-7	Butylbenzylphthalate	4.18		0.00921	0.400
105-60-2	Caprolactam	3.28		0.012	0.400
86-74-8	Carbazole	3.79		0.00927	0.400
218-01-9	Chrysene	4.29		0.00757	0.400
84-74-2	Di-n-butylphthalate	3.87		0.00805	0.400
117-84-0	Di-n-octylphthalate	3.99		0.022	0.400
53-70-3	Dibenz(a,h)anthracene	3.72		0.00660	0.080
132-64-9	Dibenzofuran	3.81		0.00612	0.400
84-66-2	Diethylphthalate	3.99		0.00763	0.400
131-11-3	Dimethyl-phthalate	3.94		0.00617	0.400
105-67-9	2,4-Dimethylphenol	3.62		0.011	0.400
206-44-0	Fluoranthene	3.83		0.00649	0.400
86-73-7	Fluorene	3.89		0.00662	0.080
118-74-1	Hexachlorobenzene	4.29		0.013	0.400
77-47-4	Hexachlorocyclopentadiene	3.56		0.023	0.400
67-72-1	Hexachloroethane	3.46		0.035	0.400
193-39-5	Indeno(1,2,3-cd)pyrene	3.17		0.013	0.400
78-59-1	Isophorone	3.77		0.00908	0.400
100-01-6	4-Nitroaniline	2.82		0.00974	2.00

FORM I SV-1

169251

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 18.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED9 MS (1-2)
Contract:
Lab File ID: 2071223/c2069
Lab Sample ID: 20712202002
Date Collected: 12/19/07 Time: 1200
Date Received: 12/20/07
Date Extracted: 12/22/07
Date Analyzed: 12/23/07 Time: 1811
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363956 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	3.26		0.048	0.400
100-02-7	4-Nitrophenol	3.92		0.041	2.00
87-86-5	Pentachlorophenol	3.42		0.021	2.00
85-01-8	Phenanthrene	3.90		0.00700	0.080
108-95-2	Phenol	3.67		0.013	0.400
129-00-0	Pyrene	4.24		0.00819	0.400
110-86-1	Pyridine	2.92		0.019	0.400
1319-77-3M	m,p-Cresol	3.70		0.012	0.400
621-64-7	N-Nitroso-di-n-propylamine	3.74		0.012	0.080
62-75-9	N-Nitrosodimethylamine	4.17		0.118	0.400
86-30-6	N-Nitrosodiphenylamine	4.15		0.00683	0.400
95-48-7	o-Cresol	3.77		0.020	0.400

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2069.d
Lab Smp Id: 20712202002 Client Smp ID: 20712202002
Inj Date : 23-DEC-2007 18:11
Operator : rrr Inst ID: MSSV4.i
Smp Info : 20712202002*4485*
Misc Info : 20712202002*MSSV~4727~*122020*30.2-1*363956*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:34 rrr Quant Type: ISTD
Cal Date : 07-NOV-2007 03:14 Cal File: c0245.d
Als bottle: 20 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SA8270.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula:
Amt * DF * (Uf * Vt/(Vi * Ws * (100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.20000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
	2 Pyridine	79	0.483	0.478	(0.382)	308217	72.1616	2390
	1 n-Nitrosodimethylamine	42	0.478	0.467	(0.378)	132161	103.353	3420
$	3 2-Fluorophenol	112	0.826	0.825	(0.653)	369858	103.964	3440
$	4 Phenol-d5	99	1.179	1.189	(0.932)	494643	102.139	3380
	5 Aniline	93	1.130	1.130	(0.894)	414623	69.7016	2310
	6 Phenol +	94	1.184	1.194	(0.937)	449169	90.8860	3010
	7 bis(-2-Chloroethyl)Ether	63	1.157	1.157	(0.915)	235953	90.2828	2990
	8 2-Chlorophenol	128	1.195	1.200	(0.945)	308242	91.5302	3030
	9 1,3-Dichlorobenzene	146	1.237	1.232	(0.979)	325692	87.6601	2900
*	10 1,4-Dichlorobenzene-d4	152	1.264	1.259	(1.000)	94967	40.0000	
	11 1,4-Dichlorobenzene +	146	1.269	1.269	(1.004)	327331	87.0768	2880

169253

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
	12 Benzyl alcohol	108	1.350	1.350	(1.068)	215094	92.6141	3070
	13 1,2-Dichlorobenzene	146	1.334	1.334	(1.055)	314251	86.8880	2880
	15 2-Methylphenol	108	1.441	1.446	(1.140)	309534	93.4116	3090
	14 Bis(2-chloroisopropyl)ether	45	1.403	1.403	(1.110)	412640	90.2169	2990
	17 3- & 4-Methylphenol	108	1.521	1.526	(1.203)	322041	91.4768	3030
	16 N-Nitroso-di-n-propylamine++	70	1.473	1.467	(1.165)	256694	92.8424	3070
	18 Hexachloroethane	117	1.489	1.489	(1.178)	132040	85.8372	2840
$	19 Nitrobenzene-d5	82	1.526	1.526	(0.808)	186919	50.4519	1670(M1)
	20 Nitrobenzene	77	1.537	1.537	(0.813)	435371	80.6680	2670
	21 Isophorone	82	1.665	1.660	(0.881)	644889	93.4432	3090
	22 2-Nitrophenol +	139	1.697	1.697	(0.898)	166842	97.5634	3230
	23 2,4-Dimethyphenol	107	1.778	1.777	(0.941)	316740	89.6026	2970
	24 bis(-2-Chloroethoxy)methane	93	1.794	1.794	(0.949)	389617	95.4011	3160
	25 Benzoic Acid	122	1.906	1.906	(1.008)	78774	55.9259	1850
	26 2,4-Dichlorophenol +	162	1.868	1.879	(0.989)	228207	94.1857	3120
	27 1,2,4-Trichlorobenzene	180	1.863	1.863	(0.986)	253200	93.9223	3110
*	28 Naphthalene-d8	136	1.890	1.890	(1.000)	344235	40.0000	
	29 Naphthalene	128	1.901	1.900	(1.006)	816899	91.4134	3030
	30 4-Chloroaniline	127	1.954	1.954	(1.034)	232774	67.7870	2240
	31 Hexachlorobutadiene +	225	1.981	1.981	(1.048)	140131	97.9224	3240
	32 4-Chloro-3-Methylphenol +	107	2.312	2.318	(1.224)	256181	91.9579	3040
	33 2-Methylnaphthalene	142	2.286	2.286	(1.209)	513203	88.8086	2940
	145 1-Methylnapthalene	142	2.339	2.339	(1.238)	494564	93.6116	3100
	34 Hexachlorocyclopentadiene ++	237	2.387	2.387	(0.828)	136786	88.0691	2920
	35 2,4,6-Trichlorophenol +	196	2.489	2.494	(0.863)	157289	99.0116	3280
	36 2,4,5-Trichlorphenol	196	2.553	2.558	(0.885)	161624	95.2696	3150
$	37 2-Fluorobiphenyl	172	2.516	2.516	(0.872)	280116	50.9682	1690
	38 2-Chloronaphthalene	162	2.564	2.564	(0.889)	469166	92.7159	3070
	39 2-Nitroaniline	138	2.655	2.655	(0.920)	152855	88.4816	2930
	40 Dimethylphthalate	163	2.778	2.778	(0.963)	473275	97.4346	3230
	41 2,6-Dinitrotoluene	165	2.804	2.799	(0.972)	102795	88.3827	2930
	42 Acenaphthylene	152	2.799	2.799	(0.970)	760317	96.9757	3210
	43 3-Nitroaniline	138	2.901	2.901	(1.006)	92524	69.6757	2310
*	44 Acenaphthene-d10	164	2.885	2.885	(1.000)	172027	40.0000	
	45 Acenaphthene +	153	2.901	2.901	(1.006)	449119	93.8858	3110
	46 2,4-Dinitrophenol ++	184	2.965	2.965	(1.028)	41705	63.3593	2100(M1)
	49 4-Nitrophenol ++	109	3.163	3.179	(1.096)	77728	96.8042	3210
	47 Dibenzofuran	168	3.008	3.008	(1.043)	641505	94.2236	3120
	48 2,4-Dinitrotoluene	165	3.034	3.034	(1.052)	124938	87.4072	2890
	50 Diethylphthalate	149	3.200	3.200	(1.109)	434290	98.7405	3270
	52 4-Chlorophenyl-phenylether	204	3.232	3.232	(1.121)	229781	101.596	3360
	51 Fluorene	166	3.206	3.206	(1.111)	492204	96.4767	3190
	53 4-Nitroaniline	138	2.901	2.901	(1.006)	92524	69.6755	2310
	54 4,6-Dinitro-o-cresol	198	3.275	3.275	(0.873)	71883	81.3095	2690
	55 N-nitrosodiphenylamine (1)+	169	3.313	3.313	(0.883)	321163	102.606	3400
	56 Azobenzene	77	3.323	3.318	(0.886)	673512	94.9716	3140
$	57 2,4,6-Tribromophenol	332	3.361	3.366	(1.165)	48043	100.978	3340

169254

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
58	4-Bromophenyl-phenylether	248	3.516	3.516	(0.937)	95726	103.247	3420
59	Hexachlorobenzene	284	3.532	3.532	(0.942)	110686	106.216	3520
60	Pentachlorophenol +	266	3.682	3.687	(0.981)	53334	84.6110	2800
* 61	Phenanthrene-d10	188	3.751	3.751	(1.000)	249268	40.0000	
62	Phenanthrene	178	3.767	3.767	(1.004)	619157	96.5484	3200
63	Anthracene	178	3.794	3.794	(1.011)	620281	97.1959	3220
64	Carbazole	167	3.922	3.922	(1.046)	534330	93.8005	3110
65	Di-n-butylphthalate	149	4.179	4.179	(1.114)	610334	95.7678	3170
67	Fluoranthene +	202	4.468	4.468	(1.191)	550658	94.8488	3140
68	Benzidine	184	4.591	4.591	(0.861)	23047	16.9690	562
69	Pyrene	202	4.596	4.596	(0.862)	560273	105.006	3480
$ 70	Terphenyl-d14	244	4.730	4.730	(0.887)	165702	56.3941	1870
71	Butylbenzylphthalate	149	5.062	5.062	(0.949)	235989	103.636	3430
73	3,3'-Dichlorobenzidine	252	5.356	5.356	(1.004)	111921	84.9631	2810
72	Benzo(a)anthracene	228	5.329	5.329	(0.999)	410631	97.9651	3240
* 74	Chrysene-d12	240	5.334	5.340	(1.000)	135323	40.0000	
76	bis(2-Ethylhexyl)phthalate	149	5.457	5.463	(1.023)	297099	102.895	3410
75	Chrysene	228	5.350	5.350	(1.003)	433046	106.369	3520
77	Di-n-octylphthalate +	149	5.912	5.912	(1.108)	428681	98.6080	3270(H)
78	Benzo(b)fluoranthene	252	6.046	6.046	(0.960)	356457	109.955	3640
79	Benzo(k)fluoranthene	252	6.067	6.062	(0.963)	364186	105.267	3490
80	Benzo(a)pyrene +	252	6.254	6.260	(0.993)	296302	103.637	3430
* 81	Perylene-d12	264	6.297	6.297	(1.000)	93490	40.0000	
82	Indeno(1,2,3-cd)pyrene	276	6.987	6.987	(1.310)	221064	78.6210	2600(M2)
83	Dibenzo(a,h)anthracene	278	7.014	7.014	(1.114)	223255	92.0742	3050
84	Benzo(g,h,i)perylene	276	7.142	7.137	(1.134)	257655	92.0112	3050
M 66	Total Methylphenol	108				631575	184.830	6120
91	Acetophenone	105	1.457	1.457	(1.152)	192429	86.0658	2850
155	Benzaldehyde	77	1.082	1.082	(0.856)	74680	155.612	5150(R)
156	Caprolactam	113	2.173	2.163	(1.150)	61524	81.3619	2690
157	Biphenyl	154	2.569	2.569	(1.359)	587946	94.3013	3120
158	Atrazine	200	3.666	3.660	(0.977)	100591	99.5002	3290
174	1,4-Dioxane	88	0.430	0.419	(0.340)	46560	20.9764	695(M2)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M1- Compound response manually integrated because
Target system did not integrate.
M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

Data File: /var/chem/MSSV4.i/2071223.s.b/c2069.d

Page 1

Date : 23-DEC-2007 18:11

Client ID: 20712202002

Instrument: MSSV4.i

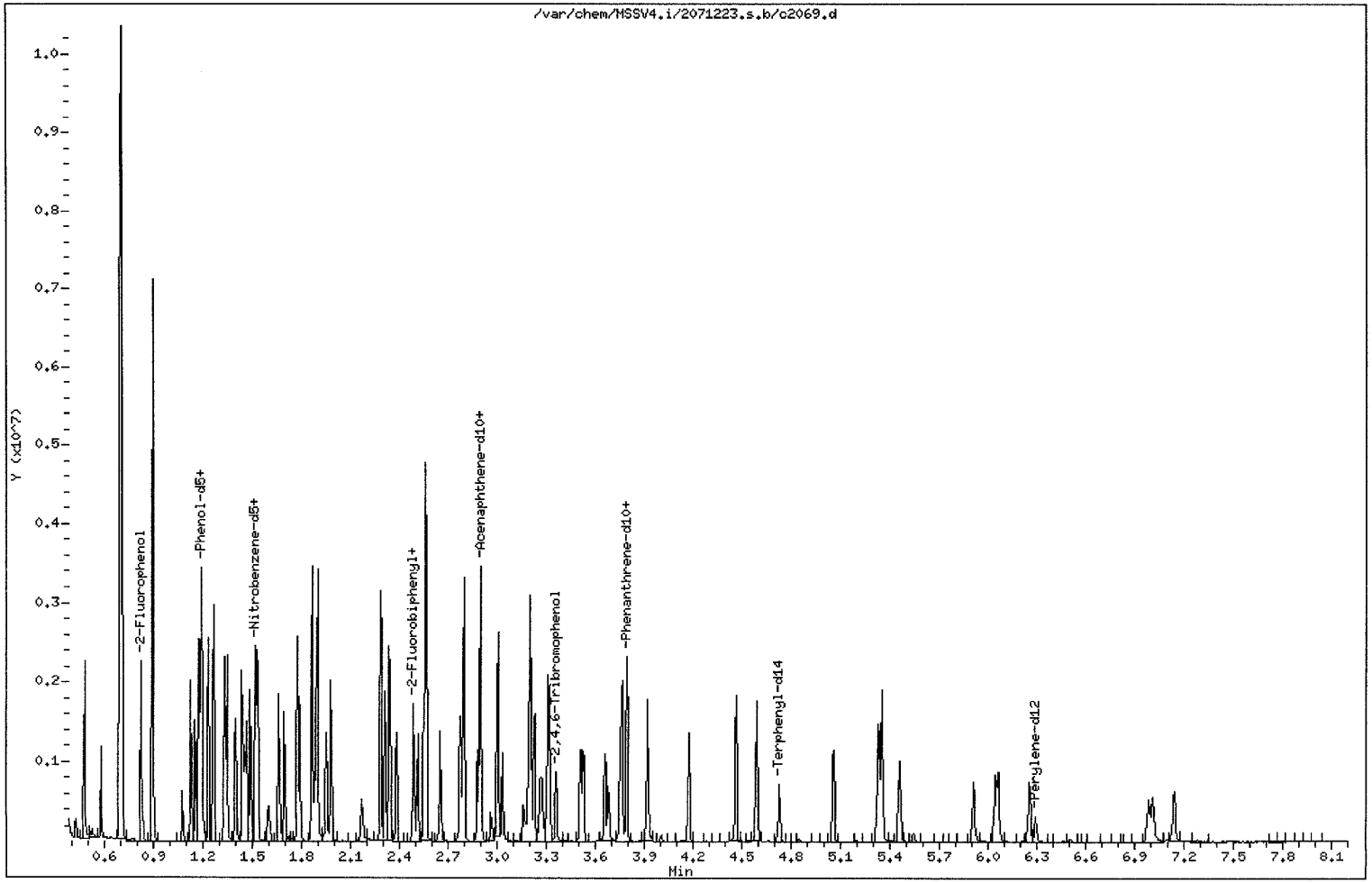
Sample Info: 20712202002*4485*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

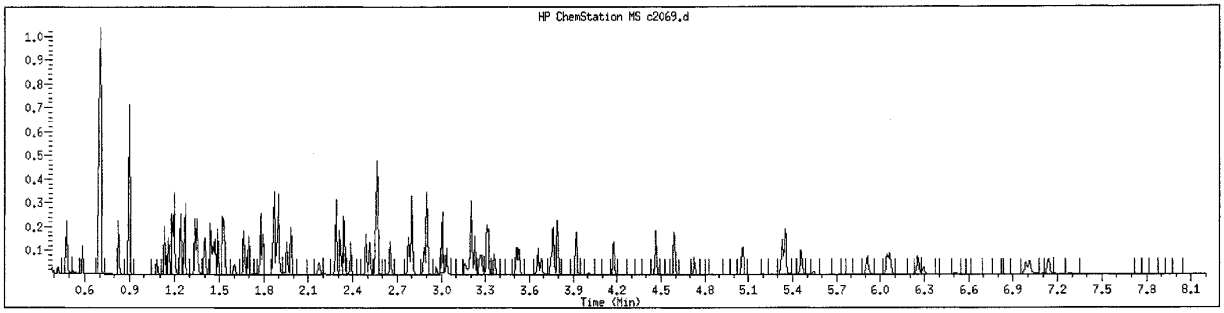


169256

Data file : /var/chem/MSSV4.i/2071223.s.b/c2069.d Page: 1
Report Date: 12/24/2007 09:36

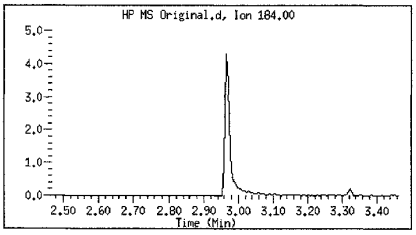
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202002 SampleType : MS
Injection Date: 12/23/2007 18:11 Instrument : MSSV4.i
Operator : rrr
Sample Info : 20712202002*4485*
Misc Info : 20712202002*MSSV~4727~*122020*30.2-1*363956*
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



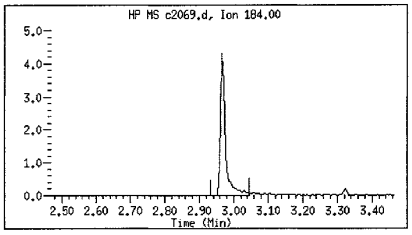
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1

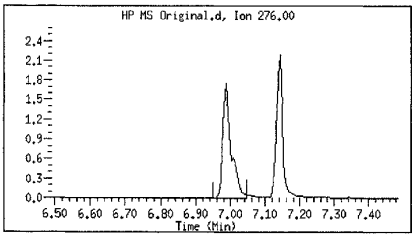


Electronic Signature
Applied

User: rrr
Date: 12/24/2007 08:39



82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



Electronic Signature
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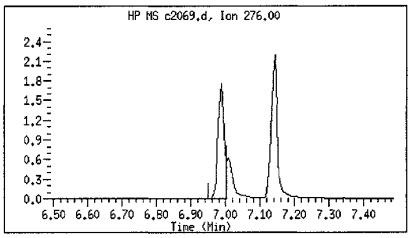
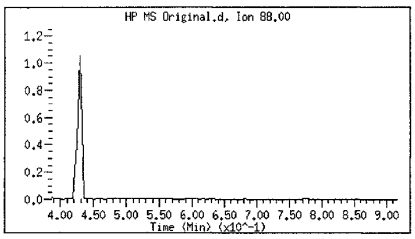
User: rrr
Date: 12/24/2007 08:40



169257

Original Final

174 1,4-Dioxane CAS#: 123-91-1 Reason: M2



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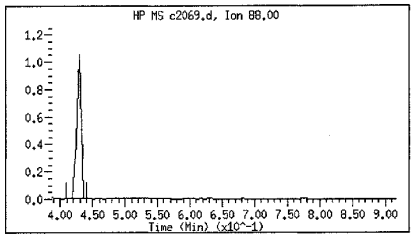
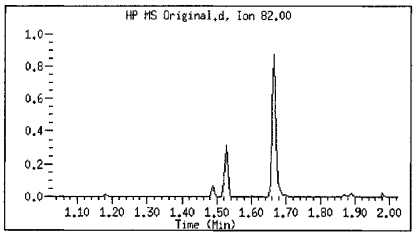


$ 19 Nitrobenzene-d5 CAS#: 4165-60-0 Reason: M1



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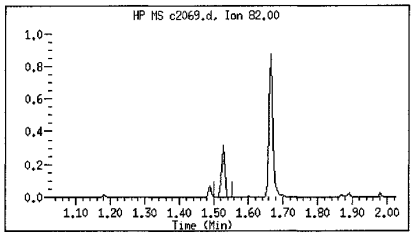
User: rrr
Date: 12/24/2007 08:39



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 18.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED9 MSD (1-2)
Contract:
Lab File ID: 2071223/c2070
Lab Sample ID: 20712202003
Date Collected: 12/19/07 Time: 1200
Date Received: 12/20/07
Date Extracted: 12/22/07
Date Analyzed: 12/23/07 Time: 1826
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363956 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	4.06		0.012	0.401
95-95-4	2,4,5-Trichlorophenol	3.88		0.00795	0.401
88-06-2	2,4,6-Trichlorophenol	4.00		0.00918	0.401
120-83-2	2,4-Dichlorophenol	3.89		0.00946	0.401
51-28-5	2,4-Dinitrophenol	2.93		0.019	2.01
121-14-2	2,4-Dinitrotoluene	4.01		0.025	0.401
606-20-2	2,6-Dinitrotoluene	3.85		0.00689	0.401
91-58-7	2-Chloronaphthalene	3.82		0.011	0.401
95-57-8	2-Chlorophenol	3.79		0.017	0.401
91-57-6	2-Methylnaphthalene	3.65		0.00976	0.080
88-74-4	2-Nitroaniline	3.68		0.00710	2.01
88-75-5	2-Nitrophenol	4.03		0.012	0.401
91-94-1	3,3'-Dichlorobenzidine	3.54		0.028	0.802
99-09-2	3-Nitroaniline	2.82		0.037	2.01
534-52-1	2-Methyl-4,6-dinitrophenol	3.56		0.048	2.01
59-50-7	4-Chloro-3-methylphenol	3.76		0.00980	0.401
106-47-8	4-Chloroaniline	2.73		0.00486	0.401
7005-72-3	4-Chlorophenyl-phenylether	4.09		0.00779	0.401
83-32-9	Acenaphthene	3.89		0.011	0.080
208-96-8	Acenaphthylene	4.00		0.00778	0.080
98-86-2	Acetophenone	3.62		0.00994	0.401
62-53-3	Aniline	2.85		0.022	0.401
120-12-7	Anthracene	4.20		0.00717	0.080
1912-24-9	Atrazine (Aatrex)	4.23		0.019	0.802
100-52-7	Benzaldehyde	6.84		0.032	0.802
92-87-5	Benzidine	0.749	J	0.306	1.60
56-55-3	Benzo(a)anthracene	4.04		0.00509	0.080
50-32-8	Benzo(a)pyrene	4.49		0.00868	0.080
205-99-2	Benzo(b)fluoranthene	4.77		0.012	0.401

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 18.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED9 MSD (1-2)
Contract:
Lab File ID: 2071223/c2070
Lab Sample ID: 20712202003
Date Collected: 12/19/07 Time: 1200
Date Received: 12/20/07
Date Extracted: 12/22/07
Date Analyzed: 12/23/07 Time: 1826
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363956 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	4.11		0.00869	0.401
207-08-9	Benzo(k)fluoranthene	4.59		0.011	0.401
65-85-0	Benzoic acid	2.27		0.039	2.01
100-51-6	Benzyl alcohol	3.71		0.012	0.401
92-52-4	Biphenyl	3.93		0.00670	0.401
111-91-1	Bis(2-Chloroethoxy)methane	3.94		0.00907	0.401
111-44-4	Bis(2-Chloroethyl)ether	3.62		0.035	0.401
108-60-1	bis(2-Chloroisopropyl)ether	3.73		0.040	0.401
117-81-7	bis(2-ethylhexyl)phthalate	4.29		0.047	0.080
101-55-3	4-Bromophenyl-phenylether	4.21		0.00733	0.401
85-68-7	Butylbenzylphthalate	4.42		0.00924	0.401
105-60-2	Caprolactam	3.85		0.012	0.401
86-74-8	Carbazole	3.93		0.00930	0.401
218-01-9	Chrysene	4.48		0.00760	0.401
84-74-2	Di-n-butylphthalate	4.12		0.00807	0.401
117-84-0	Di-n-octylphthalate	4.07		0.022	0.401
53-70-3	Dibenz(a,h)anthracene	4.03		0.00663	0.080
132-64-9	Dibenzofuran	3.82		0.00614	0.401
84-66-2	Diethylphthalate	3.92		0.00766	0.401
131-11-3	Dimethyl-phthalate	3.96		0.00619	0.401
105-67-9	2,4-Dimethylphenol	3.74		0.011	0.401
206-44-0	Fluoranthene	3.92		0.00652	0.401
86-73-7	Fluorene	3.96		0.00664	0.080
118-74-1	Hexachlorobenzene	4.49		0.013	0.401
77-47-4	Hexachlorocyclopentadiene	3.79		0.023	0.401
67-72-1	Hexachloroethane	3.50		0.035	0.401
193-39-5	Indeno(1,2,3-cd)pyrene	3.27		0.013	0.401
78-59-1	Isophorone	3.83		0.00911	0.401
100-01-6	4-Nitroaniline	2.82		0.00977	2.01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 18.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED9 MSD (1-2)
Contract:
Lab File ID: 2071223/c2070
Lab Sample ID: 20712202003
Date Collected: 12/19/07 Time: 1200
Date Received: 12/20/07
Date Extracted: 12/22/07
Date Analyzed: 12/23/07 Time: 1826
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV4
Prep Batch: 363956 Analytical Batch: 364041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	3.33		0.049	0.401
100-02-7	4-Nitrophenol	3.79		0.041	2.01
87-86-5	Pentachlorophenol	3.62		0.021	2.01
85-01-8	Phenanthrene	4.05		0.00703	0.080
108-95-2	Phenol	3.77		0.013	0.401
129-00-0	Pyrene	4.45		0.00822	0.401
110-86-1	Pyridine	2.02		0.019	0.401
1319-77-3M	m,p-Cresol	3.74		0.012	0.401
621-64-7	N-Nitroso-di-n-propylamine	3.81		0.012	0.080
62-75-9	N-Nitrosodimethylamine	4.26		0.118	0.401
86-30-6	N-Nitrosodiphenylamine	4.34		0.00686	0.401
95-48-7	o-Cresol	3.85		0.020	0.401

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV4.i/2071223.s.b/c2070.d
Lab Smp Id: 20712202003 Client Smp ID: 20712202003
Inj Date : 23-DEC-2007 18:26
Operator : rrr Inst ID: MSSV4.i
Smp Info : 20712202003*4485*
Misc Info : 20712202003*MSSV~4727~*122020*30.1-1*363956*
Comment :
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Meth Date : 24-Dec-2007 09:34 rrr Quant Type: ISTD
Cal Date : 07-NOV-2007 03:14 Cal File: c0245.d
Als bottle: 21 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SA8270.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula:
Amt * DF * (Uf * Vt/(Vi * Ws * (100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.10000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
	2 Pyridine	79	0.483	0.478	(0.382)	215803	49.9631	1660
	1 n-Nitrosodimethylamine	42	0.472	0.467	(0.374)	135117	105.178	3490
$	3 2-Fluorophenol	112	0.825	0.825	(0.653)	328395	92.1356	3060
$	4 Phenol-d5	99	1.178	1.189	(0.932)	441122	90.9164	3020
	5 Aniline	93	1.130	1.130	(0.894)	418975	70.3007	2340
	6 Phenol +	94	1.184	1.194	(0.937)	460137	92.9301	3090
	7 bis(-2-Chloroethyl)Ether	63	1.157	1.157	(0.915)	234240	89.4587	2970
	8 2-Chlorophenol	128	1.194	1.200	(0.945)	315994	93.6555	3110
	9 1,3-Dichlorobenzene	146	1.237	1.232	(0.979)	325856	87.5392	2910
*	10 1,4-Dichlorobenzene-d4	152	1.264	1.259	(1.000)	95146	40.0000	
	11 1,4-Dichlorobenzene +	146	1.269	1.269	(1.004)	328228	87.1511	2900

169262

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
12	Benzyl alcohol	108	1.349	1.350	(1.068)	213039	91.5567	3040
13	1,2-Dichlorobenzene	146	1.333	1.334	(1.055)	318136	87.7966	2920
15	2-Methylphenol	108	1.440	1.446	(1.140)	315661	95.0814	3160
14	Bis(2-chloroisopropyl)ether	45	1.403	1.403	(1.110)	421991	92.0878	3060
17	3- & 4-Methylphenol	108	1.520	1.526	(1.203)	326230	92.4924	3070
16	N-Nitroso-di-n-propylamine++	70	1.472	1.467	(1.165)	260152	93.9161	3120
18	Hexachloroethane	117	1.488	1.489	(1.178)	133219	86.4408	2870
$ 19	Nitrobenzene-d5	82	1.526	1.526	(0.807)	188407	50.0252	1660(M1)
20	Nitrobenzene	77	1.537	1.537	(0.813)	451148	82.2296	2730
21	Isophorone	82	1.665	1.660	(0.881)	663164	94.5260	3140
22	2-Nitrophenol +	139	1.697	1.697	(0.898)	172840	99.4245	3300
23	2,4-Dimethyphenol	107	1.777	1.777	(0.941)	332064	92.4075	3070
24	bis(-2-Chloroethoxy)methane	93	1.793	1.794	(0.949)	403845	97.2742	3230
25	Benzoic Acid	122	1.906	1.906	(1.008)	79967	55.8481	1860
26	2,4-Dichlorophenol +	162	1.868	1.879	(0.989)	236656	96.0818	3190
27	1,2,4-Trichlorobenzene	180	1.863	1.863	(0.986)	260583	95.0865	3160
* 28	Naphthalene-d8	136	1.890	1.890	(1.000)	349935	40.0000	
29	Naphthalene	128	1.900	1.900	(1.006)	849699	93.5350	3110
30	4-Chloroaniline	127	1.954	1.954	(1.034)	234863	67.2812	2240
31	Hexachlorobutadiene +	225	1.980	1.981	(1.048)	145247	99.8441	3320
32	4-Chloro-3-Methylphenol +	107	2.312	2.318	(1.224)	262917	92.8386	3080
33	2-Methylnaphthalene	142	2.291	2.286	(1.212)	528184	89.9122	2990
145	1-Methylnapthalene	142	2.344	2.339	(1.241)	497534	92.6398	3080
34	Hexachlorocyclopentadiene ++	237	2.387	2.387	(0.828)	147307	93.6804	3110
35	2,4,6-Trichlorophenol +	196	2.489	2.494	(0.863)	158719	98.6870	3280
36	2,4,5-Trichlorphenol	196	2.553	2.558	(0.885)	164286	95.6517	3180
$ 37	2-Fluorobiphenyl	172	2.515	2.516	(0.872)	281511	50.5941	1680
38	2-Chloronaphthalene	162	2.563	2.564	(0.889)	482056	94.0954	3130
39	2-Nitroaniline	138	2.654	2.655	(0.920)	158950	90.8818	3020
40	Dimethylphthalate	163	2.777	2.778	(0.963)	481773	97.9683	3250
41	2,6-Dinitrotoluene	165	2.804	2.799	(0.972)	112048	95.1574	3160
42	Acenaphthylene	152	2.799	2.799	(0.970)	782699	98.6067	3280
43	3-Nitroaniline	138	2.900	2.901	(1.006)	93543	69.5795	2310
* 44	Acenaphthene-d10	164	2.884	2.885	(1.000)	174162	40.0000	
45	Acenaphthene +	153	2.900	2.901	(1.006)	465193	96.0538	3190
46	2,4-Dinitrophenol ++	184	2.965	2.965	(1.028)	48219	72.3575	2400(M1)
49	4-Nitrophenol ++	109	3.163	3.179	(1.096)	76056	93.5607	3110
47	Dibenzofuran	168	3.007	3.008	(1.043)	648530	94.0878	3130
48	2,4-Dinitrotoluene	165	3.034	3.034	(1.052)	143098	98.8848	3290
50	Diethylphthalate	149	3.200	3.200	(1.109)	430731	96.7308	3210
52	4-Chlorophenyl-phenylether	204	3.232	3.232	(1.121)	230944	100.859	3350
51	Fluorene	166	3.205	3.206	(1.111)	505084	97.7876	3250
53	4-Nitroaniline	138	2.900	2.901	(1.006)	93543	69.5793	2310
54	4,6-Dinitro-o-cresol	198	3.280	3.275	(0.875)	76781	87.9907	2920
55	N-nitrosodiphenylamine (1)+	169	3.312	3.313	(0.883)	330975	107.130	3560
56	Azobenzene	77	3.323	3.318	(0.886)	702173	100.314	3330
$ 57	2,4,6-Tribromophenol	332	3.360	3.366	(1.165)	45863	95.2145	3160

169263

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/Kg)
	58	4-Bromophenyl-phenylether	248	3.516	3.516	(0.937)	94985	103.794	3450
	59	Hexachlorobenzene	284	3.532	3.532	(0.942)	113883	110.719	3680
	60	Pentachlorophenol +	266	3.687	3.687	(0.983)	55565	89.3083	2970
*	61	Phenanthrene-d10	188	3.751	3.751	(1.000)	246036	40.0000	
	62	Phenanthrene	178	3.767	3.767	(1.004)	631776	99.8103	3320
	63	Anthracene	178	3.794	3.794	(1.011)	652486	103.585	3440
	64	Carbazole	167	3.922	3.922	(1.046)	544311	96.8078	3220(R)
	65	Di-n-butylphthalate	149	4.179	4.179	(1.114)	640889	101.883	3380
	67	Fluoranthene +	202	4.468	4.468	(1.191)	554250	96.7216	3210
	68	Benzidine	184	4.591	4.591	(0.861)	24485	18.4780	614
	69	Pyrene	202	4.596	4.596	(0.862)	571575	109.799	3650
$	70	Terphenyl-d14	244	4.730	4.730	(0.887)	165237	57.6402	1910
	71	Butylbenzylphthalate	149	5.061	5.062	(0.949)	241902	108.885	3620
	73	3,3'-Dichlorobenzidine	252	5.355	5.356	(1.004)	112016	87.1587	2900
	72	Benzo(a)anthracene	228	5.329	5.329	(0.999)	407099	99.5479	3310
*	74	Chrysene-d12	240	5.334	5.340	(1.000)	132026	40.0000	
	76	bis(2-Ethylhexyl)phthalate	149	5.462	5.463	(1.024)	298706	106.035	3520
	75	Chrysene	228	5.350	5.350	(1.003)	438670	110.441	3670
	77	Di-n-octylphthalate +	149	5.912	5.912	(1.108)	426912	100.653	3340(H)
	78	Benzo(b)fluoranthene	252	6.045	6.046	(0.960)	347888	117.789	3910(R)
	79	Benzo(k)fluoranthene	252	6.067	6.062	(0.963)	356622	113.145	3760
	80	Benzo(a)pyrene +	252	6.259	6.260	(0.994)	288191	110.642	3680(R)
*	81	Perylene-d12	264	6.297	6.297	(1.000)	85174	40.0000	
	82	Indeno(1,2,3-cd)pyrene	276	6.987	6.987	(1.310)	222269	80.7070	2680(M2)
	83	Dibenzo(a,h)anthracene	278	7.014	7.014	(1.114)	222125	99.4211	3300
	84	Benzo(g,h,i)perylene	276	7.142	7.137	(1.134)	263029	101.518	3370
M	66	Total Methylphenol	108				641891	187.495	6230
	91	Acetophenone	105	1.462	1.457	(1.157)	200166	89.3578	2970
	155	Benzaldehyde	77	1.082	1.082	(0.856)	78821	168.994	5610(R)
	156	Caprolactam	113	2.178	2.163	(1.153)	73132	95.1374	3160
	157	Biphenyl	154	2.569	2.569	(1.359)	614015	96.8783	3220
	158	Atrazine	200	3.665	3.660	(0.977)	104268	104.492	3470
	174	1,4-Dioxane	88	0.424	0.419	(0.336)	51422	24.7473	822

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M1- Compound response manually integrated because
Target system did not integrate.
M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

169264

Data File: /var/chem/MSSV4.i/2071223.s.b/c2070.d

Page 1

Date : 23-DEC-2007 18:26

Client ID: 20712202003

Instrument: MSSV4.i

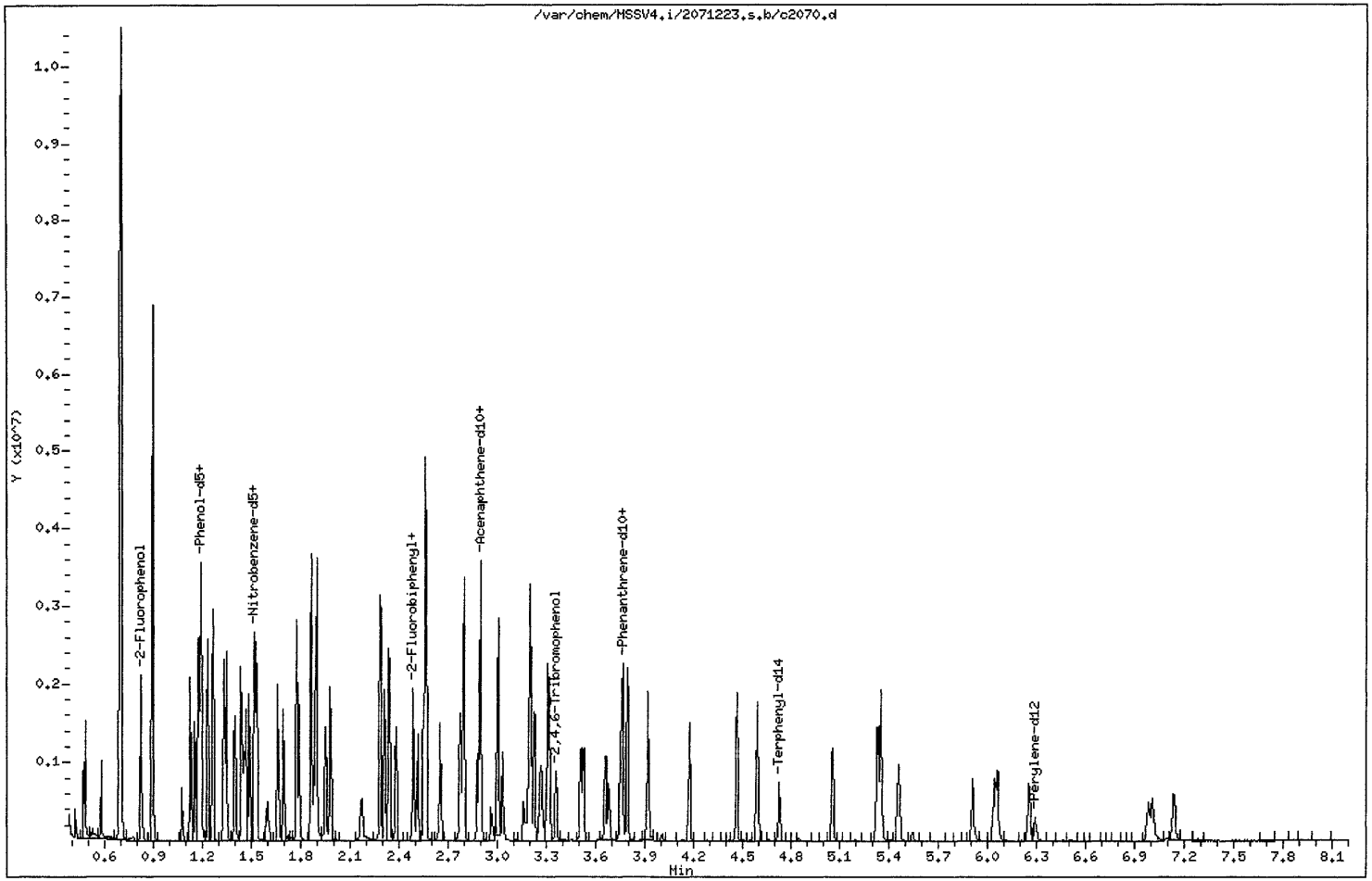
Sample Info: 20712202003*4485*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

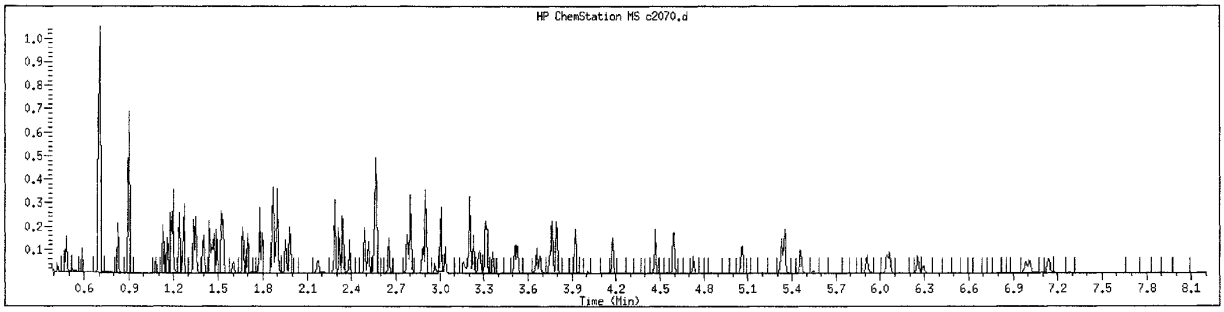
Column diameter: 0.25



Data file : /var/chem/MSSV4.i/2071223.s.b/c2070.d Page: 1
Report Date: 12/24/2007 09:36

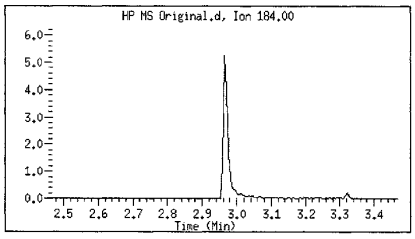
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202003 SampleType : MSD
Injection Date: 12/23/2007 18:26 Instrument : MSSV4.i
Operator : rrr
Sample Info : 20712202003*4485*
Misc Info : 20712202003*MSSV~4727~*122020*30.1-1*363956*
Method : /var/chem/MSSV4.i/2071223.s.b/8270CE_04.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



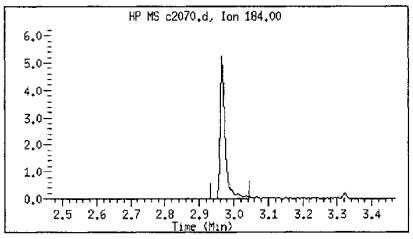
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1

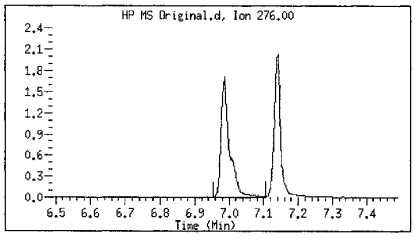


Electronic Signature Applied

User: rrr
Date: 12/24/2007 08:40

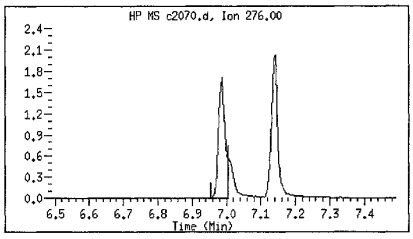


82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



Electronic Signature Applied

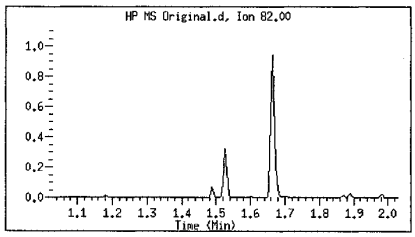
User: rrr
Date: 12/24/2007 08:41



169266

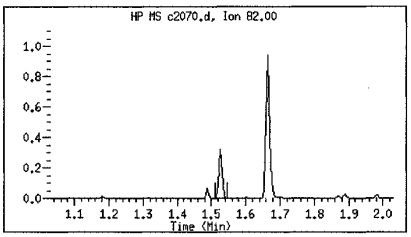
Original Final

$ 19 Nitrobenzene-d5 CAS#: 4165-60-0 Reason: M1



Electronic Signature Applied

User: rrr
Date: 12/24/2007 08:40



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

169267

BASE NEUTRAL/ACID SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12-22-07 0830	BATCH NO:	363956
MATRIX:	WATER ☐ SOIL ☑ OTHER ☐	LEVEL:	LOW ☑ MEDIUM ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	BN pH	Acid pH	COMMENTS	METHOD
1	QC ACCOUNT	MB for HBN 363956 [EXTO/19087]	558799	30.0	1.0				LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 363956 [EXTO/19087	558800	30.0	1.0				
3	QC ACCOUNT	LCSD for HBN 363956 [EXTO/1908	558801	30.0	1.0				SEPARATORY FUNNEL/3510
4	4482	2WSED9 (1-2)	20712202001	30.3	1.0				
5	4482	2WSED9 MS (1-2)	20712202002	30.2	1.0				SONICATOR/3550
6	4482	2WSED9 MSD (1-2)	20712202003	30.1	1.0				✓
7	0463	B2-0204-S	20712203501	30.1	1.0				SOXHLET/3540
8	0463	B2-2527-S	20712203502	30.0	1.0				
9	0463	B2-0810-S	20712203503	30.0	1.0				GPC CLEANUP/3640
10	0463	B2-0203-S	20712203504	30.2	1.0				
11	0463	B1-3436-S	20712203505	30.1	1.0				WASTE DILUTION/3580
12	0463	B1-2830-S	20712203506	30.0	1.0				
13	4547	COMP 9	20712215201	30.3	1.0				TCLP EXTRACTION FLUID 1
14	4547	COMP 10	20712215202	30.2	1.0				
15	4547	COMP 6	20712215203	30.0	1.0				TCLP EXTRACTION FLUID 2
16	4547	COMP 7	20712215204	30.4	1.0				
17	4547	COMP 8	20712215205	30.4	1.0				MECL2/Acetone No: E34E57
18		12-23-07							
19									ACETONE LOT NO:
20									
21									MeCL2 Lot No: E42E58
22									
23									Sodium Sulfate Lot No: E32607
24									
25									
26									
27									
28									

COMMENTS: SAMPLE PREPARATION INCLUDE DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

SURROGATE ID	430-40-5	8270 SPIKE ID		625 SPIKE ID	430-40-3	TECHNICIAN	DATE
VOLUME	0.5ml	VOLUME		VOLUME	1.0ml	Dalton Henderson	12-22-07
CONCENTRATION	100/200 ug/ml	CONCENTRATION		CONCENTRATION	100ug/ml		
NaOH		ACID				SUPERVISOR	DATE
SPIKE WITNESS	AM					Diane Ryder	12-23-07

BASE NEUTRAL/ACID SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12-21-07 2330	BATCH NO:	363895
MATRIX:	WATER ☑ SOIL ☐ OTHER ☐	LEVEL:	LOW ☑ MEDIUM ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	BN pH	Acid pH	COMMENTS	METHOD
1	QC ACCOUNT	MB for HBN 363895 [EXTO/19078]	558333	1000	1.0	>11	<2		LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 363895 [EXTO/19078	558334	1000	1.0	>11	<2		
3	QC ACCOUNT	LCSD for HBN 363895 [EXTO/1907	558335	1000	1.0	>11	<2		SEPARATORY FUNNEL/3510 ✓
4	0267	25427-121807-PRIM-1	20712196101	990	1.0	>11	<2		
5	0267	25427-121807-PRIM-2	20712196102	970	1.0	>11	<2		SONICATOR/3550
6	0267	25427-121807-PRIM-3	20712196103	970	1.0	>11	<2		
7	0267	25427-121807-SEC-1	20712196104	940	1.0	>11	<2		SOXHLET/3540
8	0267	25427-121807-SEC-2	20712196105	970	1.0	>11	<2		
9	4569	OCM-RINSATE	20712200920	1000	1.0	>11	<2		GPC CLEANUP/3640
10	4482	SS121907-EB	20712202014	970	1.0	>11	<2		
11	4482	SS121907-FB	20712202015	890	1.0	>11	<2		WASTE DILUTION/3580
12	4565	071218X021-01	20712203401	940	1.0	>11	<2		
13	4565	071218X020-01	20712203601	980	1.0	>11	<2		TCLP EXTRACTION FLUID 1
14	0523	001 RIVER	20712204501	960	1.0	>11	<2		
15	0523	101 RIVER	20712204502	970	1.0	>11	<2		TCLP EXTRACTION FLUID 2
16	0523	PP3340A	20712204503	970	1.0	>11	<2		
17	0463	B2-07-GW	20712203507	920	1.0	>11	<2		MECL2/Acetone No:
18									
19									ACETONE LOT NO:
20									
21									MeCL2 Lot No: E39E17
22									
23				12-24-07					Sodium Sulfate Lot No: E32607
24									
25					GLJ				
26									
27									
28									

COMMENTS: SAMPLE PREPARATION INCLUDE DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

SURROGATE ID	430-40-5	8270 SPIKE ID		625 SPIKE ID	430-40-3	TECHNICIAN	DATE
VOLUME	0.5 ~~1.0~~ ml	VOLUME		VOLUME	1.0ml		12-21-7
CONCENTRATION	100ug/ml	CONCENTRATION		CONCENTRATION	100ug/ml		
NaOH	448-52-2	ACID	307-17-3			SUPERVISOR	DATE
SPIKE WITNESS							12/31/07

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 23-DEC-2007
Instrument: MSSV4.i

Standard	Conc ppm	Lot No.
DFTPP	50	
Int. Standard	4000	

Inst. Conditions: _____

MISC: _____

Sample ID	ClientName	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
1100	35-6-6	c2050c.d	0.00 ml	23-DEC-2007 13:18	1.000	rrr	1	all
1100	35-6-6	c2050.d	0.00 ml	23-DEC-2007 13:18	1.000	rrr	1	all
1205	35-10-12	c2051.d	1000.00 ml	23-DEC-2007 13:33	1.000	rrr	2	8270C
1204	35-10-13	c2052.d	1000.00 ml	23-DEC-2007 13:57	1.000	rrr	3	8270C
1206	35-10-14	c2053.d	1000.00 ml	23-DEC-2007 14:12	1.000	rrr	4	8270C
1207	35-10-15	c2054.d	1000.00 ml	23-DEC-2007 14:27	1.000	rrr	5	8270C
1208	35-10-16	c2055.d	1000.00 ml	23-DEC-2007 14:41	1.000	rrr	6	8270C
1209	35-10-17	c2056.d	1000.00 ml	23-DEC-2007 14:56	1.000	rrr	7	8270C
1203	35-11-1	c2057.d	1000.00 ml	23-DEC-2007 15:11	1.000	rrr	8	8270C
1202	35-11-2	c2058.d	1000.00 ml	23-DEC-2007 15:26	1.000	rrr	9	8270C
1201	35-11-3	c2059.d	1000.00 ml	23-DEC-2007 15:41	1.000	rrr	10	8270C
1600	35-11-4	c2060.d	1000.00 ml	23-DEC-2007 15:56	1.000	rrr	11	ICV
1400	35-2-1	c2061.d	1000.00 ml	23-DEC-2007 16:11	1.000	rrr	12	APP9
1400	35-3-11	c2062.d	1000.00 ml	23-DEC-2007 16:26	1.000	rrr	13	APQ
1400	35-6-4	c2063.d	1000.00 ml	23-DEC-2007 16:41	1.000	rrr	14	SKLBA
1400	35-12-8	c2064.d	1000.00 ml	23-DEC-2007 16:56	1.000	rrr	15	thiol
558799	BLK	c2065.d	30.00 g	23-DEC-2007 17:11	1.000	rrr	16	all
558800	LCS	c2066.d	30.00 g	23-DEC-2007 17:26	1.000	rrr	17	SA8270
558801	LCSD	c2067.d	30.00 g	23-DEC-2007 17:41	1.000	rrr	18	SA8270
20712202001	4485	c2068.d	30.30 g	23-DEC-2007 17:56	1.000	rrr	19	SA8270
20712202002	4485	c2069.d	30.20 g	23-DEC-2007 18:11	1.000	rrr	20	SA8270
20712202003	4485	c2070.d	30.10 g	23-DEC-2007 18:26	1.000	rrr	21	SA8270
20712203501	0463	c2071.d	30.10 g	23-DEC-2007 18:41	1.000	rrr	22	SA8270
20712203502	0463	c2072.d	30.00 g	23-DEC-2007 18:56	1.000	rrr	23	SA8270
20712203503	0463	c2073.d	30.00 g	23-DEC-2007 19:11	1.000	rrr	24	SA8270
20712203504	0463	c2074.d	30.20 g	23-DEC-2007 19:26	1.000	rrr	25	SA8270
20712203505	0463	c2075.d	30.10 g	23-DEC-2007 19:41	1.000	rrr	26	SA8270
20712203506	0463	c2076.d	30.00 g	23-DEC-2007 19:56	1.000	rrr	27	SA8270
20712215201	4547	c2077.d	30.30 g	23-DEC-2007 20:11	1.000	rrr	28	all
20712215202	4547	c2078.d	30.20 g	23-DEC-2007 20:26	1.000	rrr	29	all
20712215203	4547	c2079.d	30.00 g	23-DEC-2007 20:41	1.000	rrr	30	all
20712215204	4547	c2080.d	30.40 g	23-DEC-2007 20:56	1.000	rrr	31	all
20712215205	4547	c2081.d	30.40 g	23-DEC-2007 21:11	1.000	rrr	32	all
558333	BLK	c2082.d	1000.00 ml	23-DEC-2007 21:26	1.000	rrr	33	all
558334	LCS	c2083.d	1000.00 ml	23-DEC-2007 21:41	1.000	rrr	34	SA8270
558335	LCSD	c2084.d	1000.00 ml	23-DEC-2007 21:56	1.000	rrr	35	SA8270

169270

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 23-DEC-2007
Instrument: MSSV4.i

Standard	Conc ppm	Lot No.
DFTPP	50	
Int. Standard	4000	

Inst. Conditions: _____

MISC: _____

Sample ID	ClientName	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
20712196101	0267	c2085.d	990.00 ml	23-DEC-2007 22:11	10.000	rrr	36	SA8270
20712196102	0267	c2086.d	970.00 ml	23-DEC-2007 22:26	10.000	rrr	37	all
20712196103	0267	c2087.d	970.00 ml	23-DEC-2007 22:41	10.000	rrr	38	SA8270
20712196104	0267	c2088.d	940.00 ml	23-DEC-2007 22:56	10.000	rrr	39	SA8270
20712196105	0267	c2089.d	970.00 ml	23-DEC-2007 23:11	10.000	rrr	40	SA8270
20712200920	4569	c2090.d	1000.00 ml	23-DEC-2007 23:26	1.000	rrr	41	all
20712202014	4482	c2091.d	970.00 ml	23-DEC-2007 23:42	1.000	rrr	42	SA8270
20712202015	4482	c2092.d	890.00 ml	23-DEC-2007 23:57	1.000	rrr	43	SA8270
20712203401	4565	c2093.d	940.00 ml	24-DEC-2007 00:12	1.000	rrr	44	SA8270
20712203601	4565	c2094.d	980.00 ml	24-DEC-2007 00:27	1.000	rrr	45	SA8270
20712204501	0523	c2095.d	960.00 ml	24-DEC-2007 00:42	1.000	rrr	46	all
20712204502	0523	c2096.d	970.00 ml	24-DEC-2007 00:57	1.000	rrr	47	all
20712204503	0523	c2097.d	970.00 ml	24-DEC-2007 01:12	1.000	rrr	48	all
20712203507	0463	c2098.d	920.00 ml	24-DEC-2007 01:27	1.000	rrr	49	SA8270

169271

2E

WATER ORGANIC SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

GC Column (1): RTX-XLB-30 ID: .25 (mm) GC Cloumn (2): ID: (mm)

Method: SW-846 8081A

	EPA SAMPLE NO.	SMC1 1-(1)	Lo	Hi	F	SMC1 1-(2)	Lo	Hi	F	SMC2 2-(1)	Lo	Hi	F	SMC2 2-(2)	Lo	Hi	F	TOT OUT
1.	SS121907-EB	82	45	148						49	34	135						0
2.	SS121907-FB	69	45	148						76	34	135						0
3.	MB559285	98	45	148						88	34	135						0
4.	LCS559286	106	45	148						99	34	135						0
5.	LCSD559287	110	45	148						102	34	135						0

SMC 1 : Tetrachloro-m-xylene SMC 2 : Decachlorobiphenyl

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

2F

ORGANICS SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

GC Column (1) : RTX-35MS-3 ID: .25 (mm) GC Cloumn (2) : ID: (mm)

Method: SW-846 8081A

	EPA SAMPLE NO.	SMC1 1-(1)	#	1-(2)	#	SMC2 2-(1)	#	2-(2)	#	TOT OUT
1.	2WSED9 (1-2)	102				102				0
2.	2WSED9 MS (1-2)	110				112				0
3.	2WSED9 MSD (1-2)	117				119				0
4.	3WSED6 (0-0.5)	90				102				0
5.	3WSED5 (0-0.5)	79				98				0
6.	3WSED4 (0-0.5)	74				83				0
7.	3WSED3 (0-0.5)	131				139				0
8.	3WSED2 (0-0.5)	161	*			167	*			2
9.	3WSED1 (0-0.5)	101				98				0
10.	SS-900 (0-0.5)	145				141				0
11.	3WSED7 (0-0.5)	132				130				0
12.	3WSED8 (0-0.5)	120				116				0
13.	3WSED9 (0-0.5)	104				102				0
14.	MB559659	84				82				0
15.	LCS559660	88				90				0
16.	LCSD559661	100				100				0

	CONTROL LIMITS	
SMC 1 : Tetrachloro-m-xylene	52	151
SMC 2 : Decachlorobiphenyl	56	159

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

3E

WATER ORGANICS LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8081A

Prep Batch: 364075 Analytical Batch: 364419

SAMPLE NO : 559286

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
4,4'-DDD	mg/L	.0005	0	.00064	128		35 - 165
4,4'-DDE	mg/L	.0005	0	.000623	125		57 - 139
4,4'-DDT	mg/L	.0005	0	.000586	117		32 - 148
Aldrin	mg/L	.0005	0	.000631	126		51 - 144
Dieldrin	mg/L	.0005	0	.000633	127		59 - 169
Endosulfan I	mg/L	.0005	0	.000468	94		45 - 159
Endosulfan II	mg/L	.0005	0	.000528	106		49 - 165
Endosulfan sulfate	mg/L	.0005	0	.000623	125		26 - 164
Endrin	mg/L	.0005	0	.000605	121		53 - 168
Endrin aldehyde	mg/L	.0005	0	.000565	113		53 - 186
Endrin ketone	mg/L	.0005	0	.000616	123		31 - 169
Heptachlor	mg/L	.0005	0	.00058	116		51 - 152
Heptachlor epoxide	mg/L	.0005	0	.000601	120		56 - 147
Methoxychlor	mg/L	.0005	0	.00062	124		29 - 179
alpha-BHC	mg/L	.0005	0	.000609	122		45 - 162
alpha-Chlordane	mg/L	.0005	0	.000692	138		55 - 143
beta-BHC	mg/L	.0005	0	.000555	111		53 - 153
delta-BHC	mg/L	.0005	0	.000668	134		61 - 141
gamma-BHC (Lindane)	mg/L	.0005	0	.000618	124		37 - 143
gamma-Chlordane	mg/L	.0005	0	.000641	128		63 - 140

RPD : 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

3E

WATER ORGANICS LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8081A

Prep Batch: 364075 Analytical Batch: 364419

SAMPLE NO : 559287

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	*REC FLAG*	*% RPD*	*RPD FLAG*	*QC. LIMITS REC*	*QC. LIMITS RPD*
4,4'-DDD	mg/L	.0005	.000666	133		4		35 - 165	0 - 40
4,4'-DDE	mg/L	.0005	.000643	129		3		57 - 139	0 - 40
4,4'-DDT	mg/L	.0005	.000602	120		3		32 - 148	0 - 40
Aldrin	mg/L	.0005	.000651	130		3		51 - 144	0 - 40
Dieldrin	mg/L	.0005	.000653	131		3		59 - 169	0 - 40
Endosulfan I	mg/L	.0005	.000501	100		7		45 - 159	0 - 40
Endosulfan II	mg/L	.0005	.00055	110		4		49 - 165	0 - 40
Endosulfan sulfate	mg/L	.0005	.000644	129		3		26 - 164	0 - 40
Endrin	mg/L	.0005	.000615	123		2		53 - 168	0 - 40
Endrin aldehyde	mg/L	.0005	.000592	118		5		53 - 186	0 - 40
Endrin ketone	mg/L	.0005	.000644	129		4		31 - 169	0 - 40
Heptachlor	mg/L	.0005	.000598	120		3		51 - 152	0 - 40
Heptachlor epoxide	mg/L	.0005	.000622	124		3		56 - 147	0 - 40
Methoxychlor	mg/L	.0005	.000639	128		3		29 - 179	0 - 40
alpha-BHC	mg/L	.0005	.000627	125		3		45 - 162	0 - 40
alpha-Chlordane	mg/L	.0005	.000705	141		2		55 - 143	0 - 40
beta-BHC	mg/L	.0005	.000578	116		4		53 - 153	0 - 40
delta-BHC	mg/L	.0005	.00069	138		3		61 - 141	0 - 40
gamma-BHC (Lindane)	mg/L	.0005	.00064	128		3		37 - 143	0 - 40
gamma-Chlordane	mg/L	.0005	.000661	132		3		63 - 140	0 - 40

RPD : 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

3F

SOILORGANIC MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED9 (1-2)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8081A

Prep Batch: 364231 Analytical Batch: 364684

Spike HSN : 20712202002

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*MS % REC FLAG*	*QC. LIMITS*
4,4'-DDD	mg/kg	.021	0	.026	127		31 - 141
4,4'-DDE	mg/kg	.021	0	.026	127		30 - 145
4,4'-DDT	mg/kg	.021	0	.028	140	*	23 - 134
Aldrin	mg/kg	.021	0	.026	128		35 - 132
Dieldrin	mg/kg	.021	0	.027	130		31 - 134
Endosulfan I	mg/kg	.021	0	.018	89		45 - 153
Endosulfan II	mg/kg	.021	0	.022	110		0 - 202
Endosulfan sulfate	mg/kg	.021	0	.026	127		26 - 144
Endrin	mg/kg	.021	0	.027	130		42 - 139
Endrin aldehyde	mg/kg	.021	0	.026	124		0 - 202
Endrin ketone	mg/kg	.021	0	.027	133		26 - 144
Heptachlor	mg/kg	.021	0	.024	122		35 - 130
Heptachlor epoxide	mg/kg	.021	0	.027	130		37 - 142
Methoxychlor	mg/kg	.021	0	.024	121		26 - 144
alpha-BHC	mg/kg	.021	0	.026	127		37 - 134
alpha-Chlordane	mg/kg	.021	0	.027	133	*	45 - 119
beta-BHC	mg/kg	.021	0	.026	126		17 - 147
delta-BHC	mg/kg	.021	0	.026	128		19 - 140
gamma-BHC (Lindane)	mg/kg	.021	0	.026	127		46 - 127
gamma-Chlordane	mg/kg	.021	0	.029	144	*	45 - 119

RPD : 0 out of 20 outside limits

Spike Recovery: 12 out of 40 outside limits

FORM III ORG-2

3F

SOILORGANIC MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED9 (1-2)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8081A

Prep Batch: 364231 Analytical Batch: 364684

Spike Dupe HSN : 20712202003

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
4,4'-DDD	mg/kg	.021	.028	139		9		31 - 141	0 - 40
4,4'-DDE	mg/kg	.021	.028	137		9		30 - 145	0 - 40
4,4'-DDT	mg/kg	.021	.03	152	*	8		23 - 134	0 - 40
Aldrin	mg/kg	.021	.028	138	*	9		35 - 132	0 - 40
Dieldrin	mg/kg	.021	.028	141	*	4		31 - 134	0 - 40
Endosulfan I	mg/kg	.021	.02	94		6		45 - 153	0 - 40
Endosulfan II	mg/kg	.021	.024	118		11		0 - 202	0 - 40
Endosulfan sulfate	mg/kg	.021	.028	137		9		26 - 144	0 - 40
Endrin	mg/kg	.021	.029	143	*	9		42 - 139	0 - 40
Endrin aldehyde	mg/kg	.021	.027	131		5		0 - 202	0 - 40
Endrin ketone	mg/kg	.021	.029	144		9		26 - 144	0 - 40
Heptachlor	mg/kg	.021	.027	132	*	10		35 - 130	0 - 40
Heptachlor epoxide	mg/kg	.021	.028	137		4		37 - 142	0 - 40
Methoxychlor	mg/kg	.021	.027	130		10		26 - 144	0 - 40
alpha-BHC	mg/kg	.021	.028	136	*	9		37 - 134	0 - 40
alpha-Chlordane	mg/kg	.021	.028	140	*	4		45 - 119	0 - 40
beta-BHC	mg/kg	.021	.027	130		5		17 - 147	0 - 40
delta-BHC	mg/kg	.021	.028	138		9		19 - 140	0 - 40
gamma-BHC (Lindane)	mg/kg	.021	.028	138	*	9		46 - 127	0 - 40
gamma-Chlordane	mg/kg	.021	.03	152	*	4		45 - 119	0 - 40

RPD : 0 out of 20 outside limits

Spike Recovery: 12 out of 40 outside limits

3F

SOIL ORGANIC LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8081A

Prep Batch: 364231 Analytical Batch: 364684

Spike HSN : 559660

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
4,4'-DDD	mg/kg	.017	0	.018	107		31 - 141
4,4'-DDE	mg/kg	.017	0	.017	102		30 - 145
4,4'-DDT	mg/kg	.017	0	.015	88		23 - 134
Aldrin	mg/kg	.017	0	.016	95		35 - 132
Dieldrin	mg/kg	.017	0	.017	102		31 - 134
Endosulfan I	mg/kg	.017	0	.011	68		45 - 153
Endosulfan II	mg/kg	.017	0	.015	88		0 - 202
Endosulfan sulfate	mg/kg	.017	0	.012	70		26 - 144
Endrin	mg/kg	.017	0	.017	100		42 - 139
Endrin aldehyde	mg/kg	.017	0	.017	100		0 - 202
Endrin ketone	mg/kg	.017	0	.017	104		26 - 144
Heptachlor	mg/kg	.017	0	.013	76		35 - 130
Heptachlor epoxide	mg/kg	.017	0	.016	95		37 - 142
Methoxychlor	mg/kg	.017	0	.017	104		26 - 144
alpha-BHC	mg/kg	.017	0	.013	80		37 - 134
alpha-Chlordane	mg/kg	.017	0	.016	98		45 - 119
beta-BHC	mg/kg	.017	0	.016	98		17 - 147
delta-BHC	mg/kg	.017	0	.00805	48		19 - 140
gamma-BHC (Lindane)	mg/kg	.017	0	.015	91		46 - 127
gamma-Chlordane	mg/kg	.017	0	.016	98		45 - 119

RPD : 2 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

3F

SOIL ORGANIC LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8081A

Prep Batch: 364231 Analytical Batch: 364684

Spike Dupe HSN : 559661

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
4,4'-DDD	mg/kg	.017	.021	126		15		31 - 141	0 - 40
4,4'-DDE	mg/kg	.017	.019	112		11		30 - 145	0 - 40
4,4'-DDT	mg/kg	.017	.018	105		18		23 - 134	0 - 40
Aldrin	mg/kg	.017	.018	110		12		35 - 132	0 - 40
Dieldrin	mg/kg	.017	.019	115		11		31 - 134	0 - 40
Endosulfan I	mg/kg	.017	.013	77		17		45 - 153	0 - 40
Endosulfan II	mg/kg	.017	.017	100		13		0 - 202	0 - 40
Endosulfan sulfate	mg/kg	.017	.019	112		45	*	26 - 144	0 - 40
Endrin	mg/kg	.017	.019	113		11		42 - 139	0 - 40
Endrin aldehyde	mg/kg	.017	.019	113		11		0 - 202	0 - 40
Endrin ketone	mg/kg	.017	.02	119		16		26 - 144	0 - 40
Heptachlor	mg/kg	.017	.017	104		27		35 - 130	0 - 40
Heptachlor epoxide	mg/kg	.017	.018	107		12		37 - 142	0 - 40
Methoxychlor	mg/kg	.017	.02	120		16		26 - 144	0 - 40
alpha-BHC	mg/kg	.017	.017	103		27		37 - 134	0 - 40
alpha-Chlordane	mg/kg	.017	.019	112		17		45 - 119	0 - 40
beta-BHC	mg/kg	.017	.019	112		17		17 - 147	0 - 40
delta-BHC	mg/kg	.017	.018	105		76	*	19 - 140	0 - 40
gamma-BHC (Lindane)	mg/kg	.017	.018	109		18		46 - 127	0 - 40
gamma-Chlordane	mg/kg	.017	.019	111		17		45 - 119	0 - 40

RPD : 2 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB559659

Lab Code: LA024 | Case No.: | Contract:

Lab Sample ID: 559659 | SAS No.: | SDG No.: 207122020

Matrix: Soil | Sulfur Cleanup: (Y/N) N | Date Extracted: 12/30/07

Date Analyzed (1): 12/31/07 | Time (1): 1401 | Date Analyzed (2): | Time (2):

Instrument ID (1): GCS18A | Instrument ID (2):

GC Column (1): RTX-35MS-3 | ID: .25 (mm) | GC Column (2): | ID: (mm)

Method: SW-846 8081A | Prep Batch: 364231 | Analytical Batch: 364684

Lab File ID: 2071231/sv18a0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS559660	559660	12/31/07	1419		
2.	LCSD559661	559661	12/31/07	1437		
3.	2WSED9 (1-2)	20712202001	01/04/08	1216		
4.	2WSED9 MS (1-2)	20712202002	01/04/08	1234		
5.	2WSED9 MSD (1-2)	20712202003	01/04/08	1253		
6.	3WSED6 (0-0.5)	20712202004	01/04/08	1349		
7.	3WSED5 (0-0.5)	20712202005	01/04/08	1408		
8.	3WSED4 (0-0.5)	20712202006	01/04/08	1426		
9.	3WSED3 (0-0.5)	20712202007	01/04/08	1445		
10.	3WSED2 (0-0.5)	20712202008	01/04/08	1649		
11.	3WSED1 (0-0.5)	20712202009	01/04/08	1708		
12.	SS-900 (0-0.5)	20712202010	01/04/08	1745		
13.	3WSED7 (0-0.5)	20712202011	01/04/08	1804		
14.	3WSED8 (0-0.5)	20712202012	01/04/08	1841		
15.	3WSED9 (0-0.5)	20712202013	01/04/08	1859		

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB559285

Lab Code: LA024 | Case No.: | Contract:

Lab Sample ID: 559285 | SAS No.: | SDG No.: 207122020

Matrix: Water | Sulfur Cleanup: (Y/N) N | Date Extracted: 12/25/07

Date Analyzed (1): 12/28/07 | Time (1): 1225 | Date Analyzed (2): | Time (2):

Instrument ID (1): GCS18B | Instrument ID (2):

GC Column (1): RTX-XLB-30 | ID: .25 (mm) | GC Column (2): | ID: (mm)

Method: SW-846 8081A | Prep Batch: 364075 | Analytical Batch: 364419

Lab File ID: 2071228/sv18b0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS559286	559286	12/28/07	1242		
2.	LCSD559287	559287	12/28/07	1300		
3.	SS121907-EB	20712202014	12/28/07	1359		
4.	SS121907-FB	20712202015	12/28/07	1417		

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED9 (1-2)

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20712202001

Level: (low/med) LOW | Date Collected: 12/19/07 | Time: 1200

% Moisture: 18.0 | decanted: (Y/N) | Date Received: 12/20/07

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/08 | Time: 1216

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081A

Prep Batch: 364231 | Analytical Batch: 364684 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080104/sv16a006

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00243	U	0.000541	0.00243
72-55-9	4,4'-DDE	0.00243	U	0.000468	0.00243
50-29-3	4,4'-DDT	0.00243	U	0.000523	0.00243
309-00-2	Aldrin	0.00122	U	0.000462	0.00122
60-57-1	Dieldrin	0.00243	U	0.000456	0.00243
959-98-8	Endosulfan I	0.00122	U	0.000438	0.00122
33213-65-9	Endosulfan II	0.00243	U	0.000529	0.00243
1031-07-8	Endosulfan sulfate	0.00243	U	0.000553	0.00243
72-20-8	Endrin	0.00243	U	0.000547	0.00243
7421-93-4	Endrin aldehyde	0.00243	U	0.000608	0.00243
53494-70-5	Endrin ketone	0.00243	U	0.000553	0.00243
76-44-8	Heptachlor	0.00122	U	0.000407	0.00122
1024-57-3	Heptachlor epoxide	0.00122	U	0.000438	0.00122
72-43-5	Methoxychlor	0.012	U	0.000669	0.012
8001-35-2	Toxaphene	0.122	U	0.00570	0.122
319-84-6	alpha-BHC	0.00122	U	0.000407	0.00122
5103-71-9	alpha-Chlordane	0.00122	U	0.000419	0.00122
319-85-7	beta-BHC	0.00243	U	0.000505	0.00243
319-86-8	delta-BHC	0.00122	U	0.000529	0.00122
58-89-9	gamma-BHC (Lindane)	0.00122	U	0.000383	0.00122
5103-74-2	gamma-Chlordane	0.00122	U	0.000444	0.00122

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a006.d
Report Date: 07-Jan-2008 10:57

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a006.d
Lab Smp Id: 20712202001
Inj Date : 04-JAN-2008 12:16
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20712202001*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:57 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.10000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

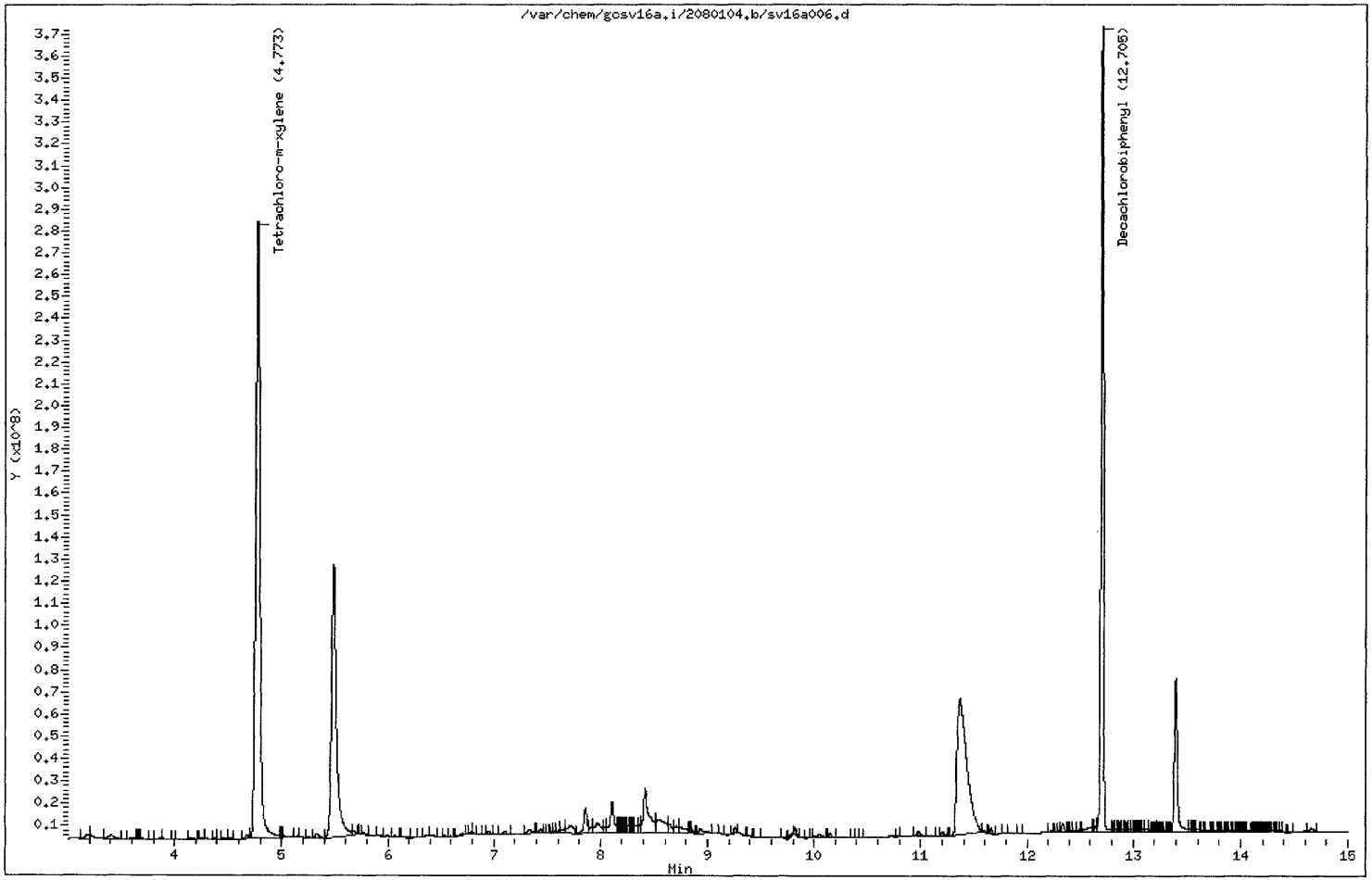
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.773	4.777	-0.004	764925322	102.068	17(A)
$ 22 Decachlorobiphenyl	12.705	12.711	-0.006	537277209	101.816	17

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

169283

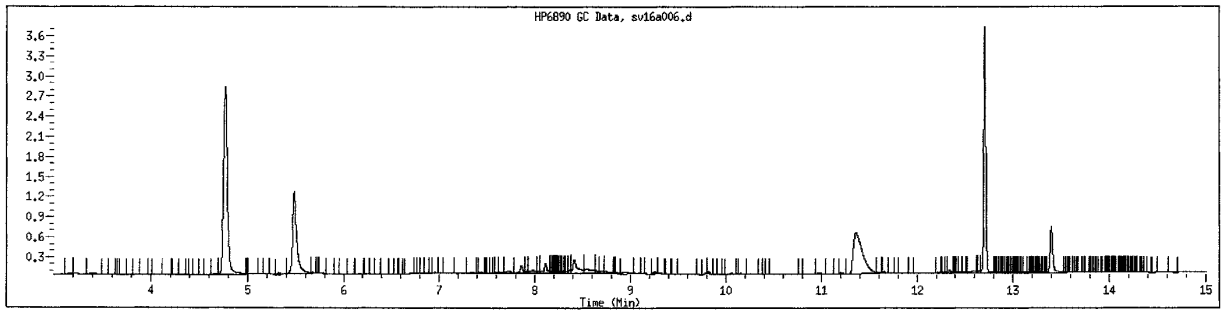
Data File: /var/chem/gcsv16a.i/2080104.b/sv16a006.d
Date : 04-JAN-2008 12:16
Client ID:
Instrument: gcsv16a.i
Sample Info: 207122020001*1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080104.b/sv16a006.d Page: 1
Report Date: 01/07/2008 10:57

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20712202001	SampleType	: SAMPLE
Injection Date	: 01/04/2008 12:16	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 20712202001*1		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080104.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: Falcon	Compound Sublist	: all



NO MANUAL INTEGRATIONS

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 3WSED6 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20712202004

Level: (low/med) LOW | Date Collected: 12/19/07 | Time: 1315

% Moisture: 46.0 | decanted: (Y/N) | Date Received: 12/20/07

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/08 | Time: 1349

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081A

Prep Batch: 364231 | Analytical Batch: 364684 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: mg/kg | Lab File ID: 2080104/sv16a011

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
50-29-3	4,4'-DDT	0.00369	U	0.000794	0.00369

FORM I ORG-1

169286

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a011.d
Report Date: 07-Jan-2008 10:57

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a011.d
Lab Smp Id: 20712202004
Inj Date : 04-JAN-2008 13:49
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20712202004*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:57 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

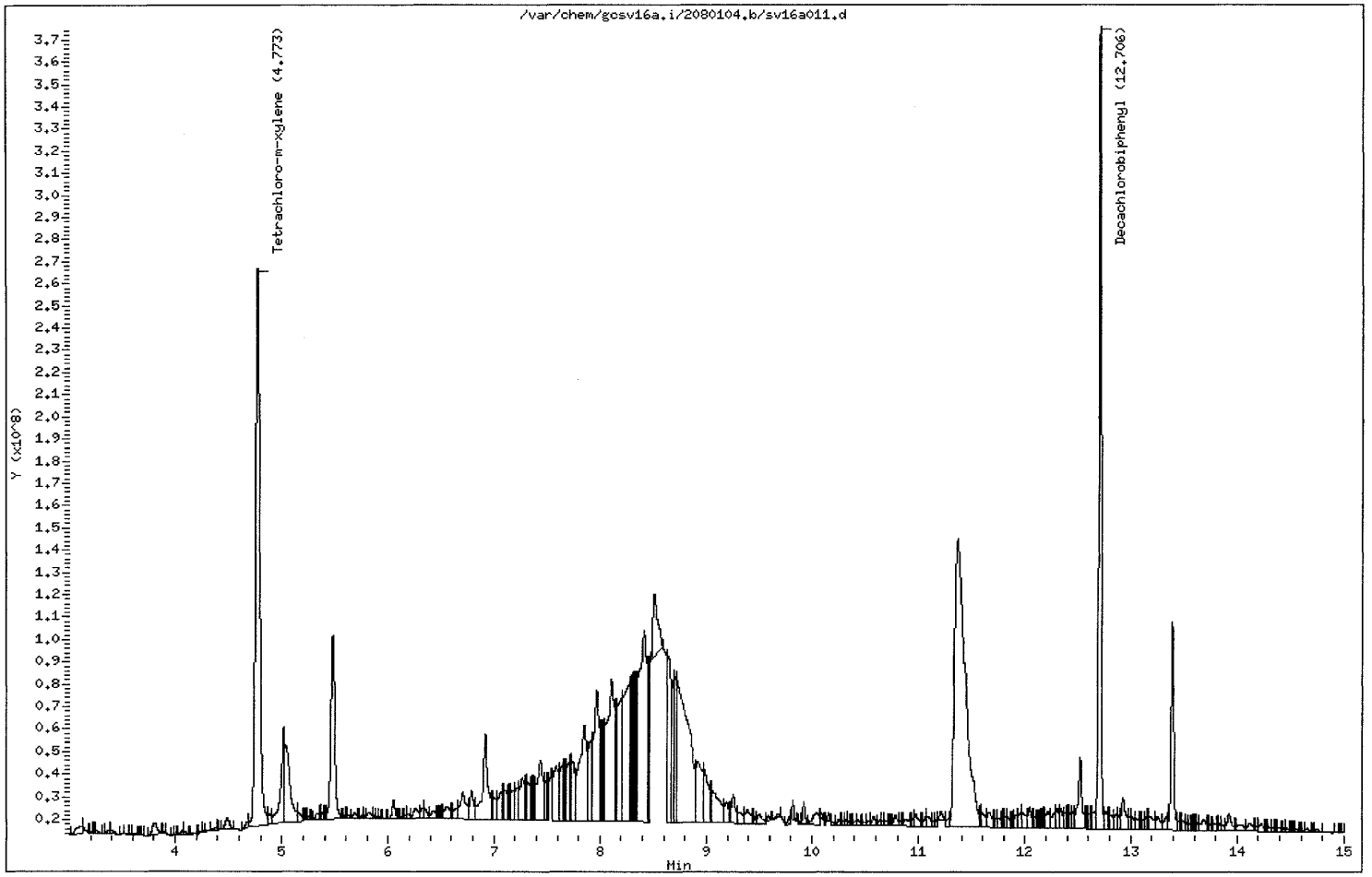
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.10000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.773	4.777	-0.004	673627990	89.8859	15
$ 22 Decachlorobiphenyl	12.706	12.711	-0.005	536688788	101.705	17

169287

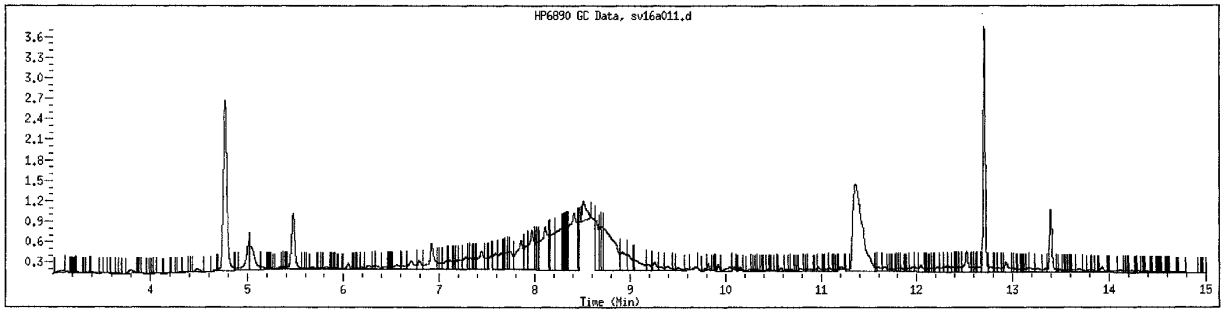
Data File: /var/chem/gcsv16a.i/2080104.b/sv16a011.d
Date : 04-JAN-2008 13:49
Client ID:
Instrument: gcsv16a.i
Sample Info: 2071220200401
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080104.b/sv16a011.d Page: 1
Report Date: 01/07/2008 10:57

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202004 SampleType : SAMPLE
Injection Date: 01/04/2008 13:49 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20712202004*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: pest



NO MANUAL INTEGRATIONS

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 3WSED5 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30.3 | Units: g | Lab Sample ID: 20712202005

Level: (low/med) LOW | Date Collected: 12/19/07 | Time: 1330

% Moisture: 47.6 | decanted: (Y/N) | Date Received: 12/20/07

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/08 | Time: 1408

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081A

Prep Batch: 364231 | Analytical Batch: 364684 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080104/sv16a012

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
50-29-3	4,4'-DDT	0.00378	U	0.000813	0.00378

FORM I ORG-1

169290

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a012.d
Report Date: 07-Jan-2008 10:57

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a012.d
Lab Smp Id: 20712202005
Inj Date : 04-JAN-2008 14:08
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20712202005*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:57 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

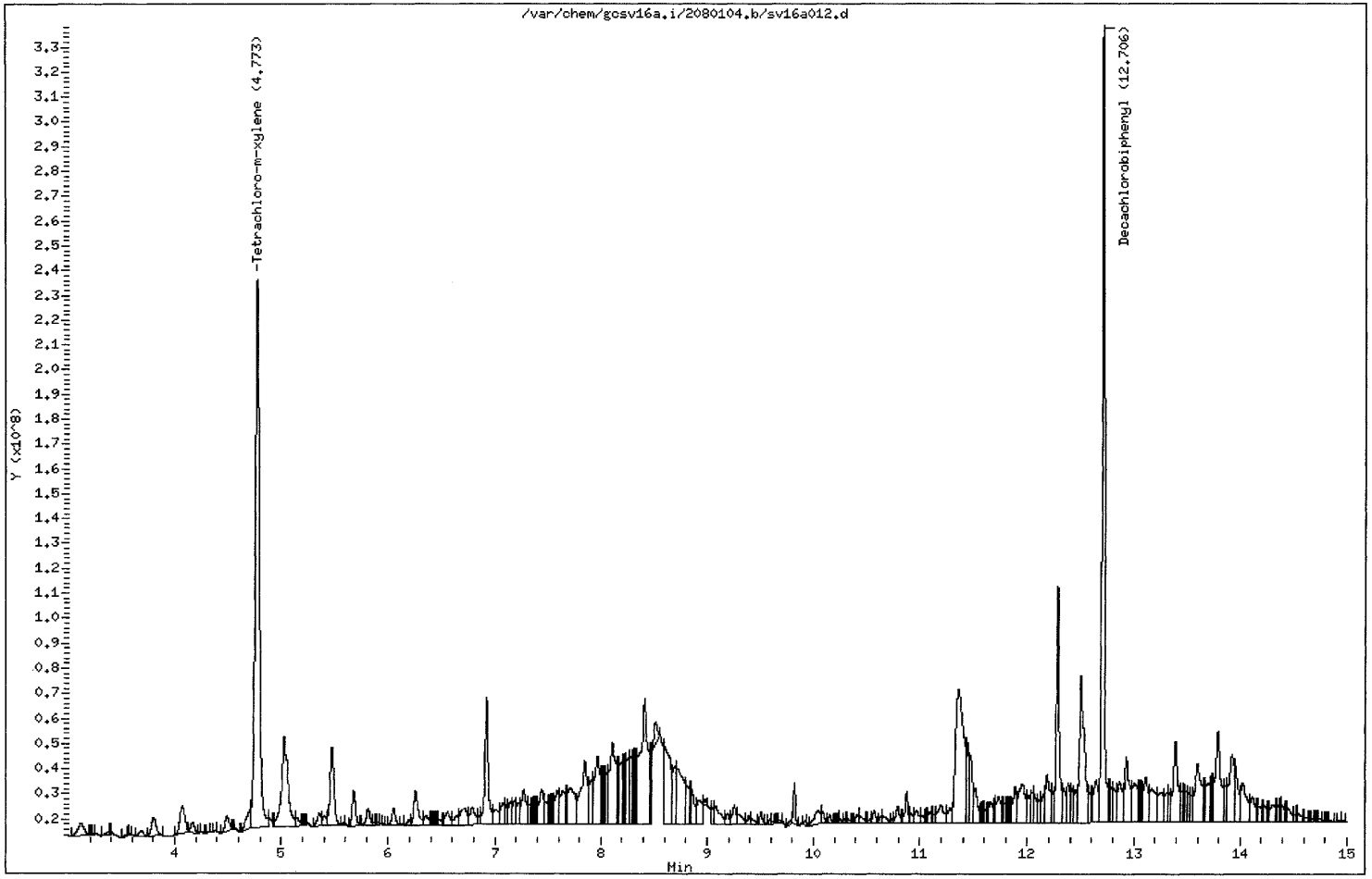
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.30000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COLUMN	CONCENTRATIONS FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	4.773	4.777	-0.004	592426775	79.0508	13
$ 22 Decachlorobiphenyl	12.706	12.711	-0.005	517654148	98.0978	16

169291

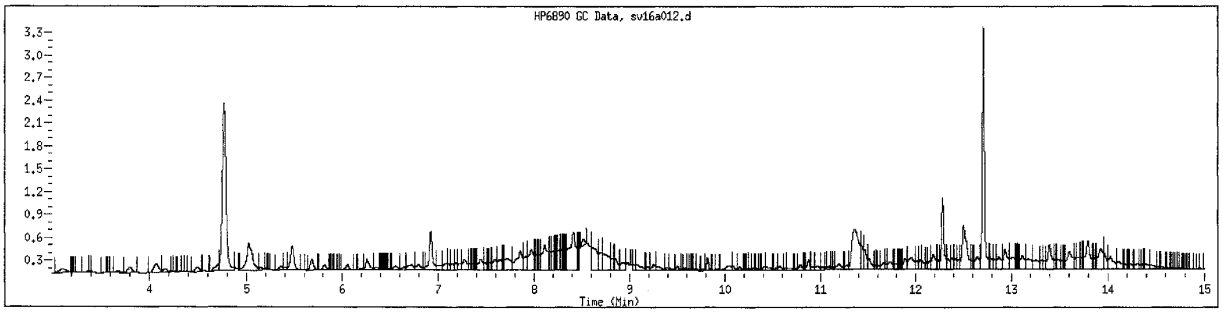
Data File: /var/chem/gcsv16a.i/2080104.b/sv16a012.d
Date : 04-JAN-2008 14:08
Client ID:
Instrument: gcsv16a.i
Sample Info: 20712202005*1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080104.b/sv16a012.d Page: 1
Report Date: 01/07/2008 10:57

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20712202005	SampleType	: SAMPLE
Injection Date	: 01/04/2008 14:08	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 20712202005*1		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080104.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: Falcon	Compound Sublist	: pest



NO MANUAL INTEGRATIONS

169293

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 3WSED4 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30 | Units: g | Lab Sample ID: 20712202006

Level: (low/med) LOW | Date Collected: 12/19/07 | Time: 1340

% Moisture: 58.4 | decanted: (Y/N) | Date Received: 12/20/07

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/08 | Time: 1426

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081A

Prep Batch: 364231 | Analytical Batch: 364684 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080104/sv16a013

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
50-29-3	4,4'-DDT	0.00481	U	0.00103	0.00481

FORM I ORG-1

169294

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a013.d
Report Date: 07-Jan-2008 10:57

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a013.d
Lab Smp Id: 20712202006
Inj Date : 04-JAN-2008 14:26
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20712202006*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:57 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

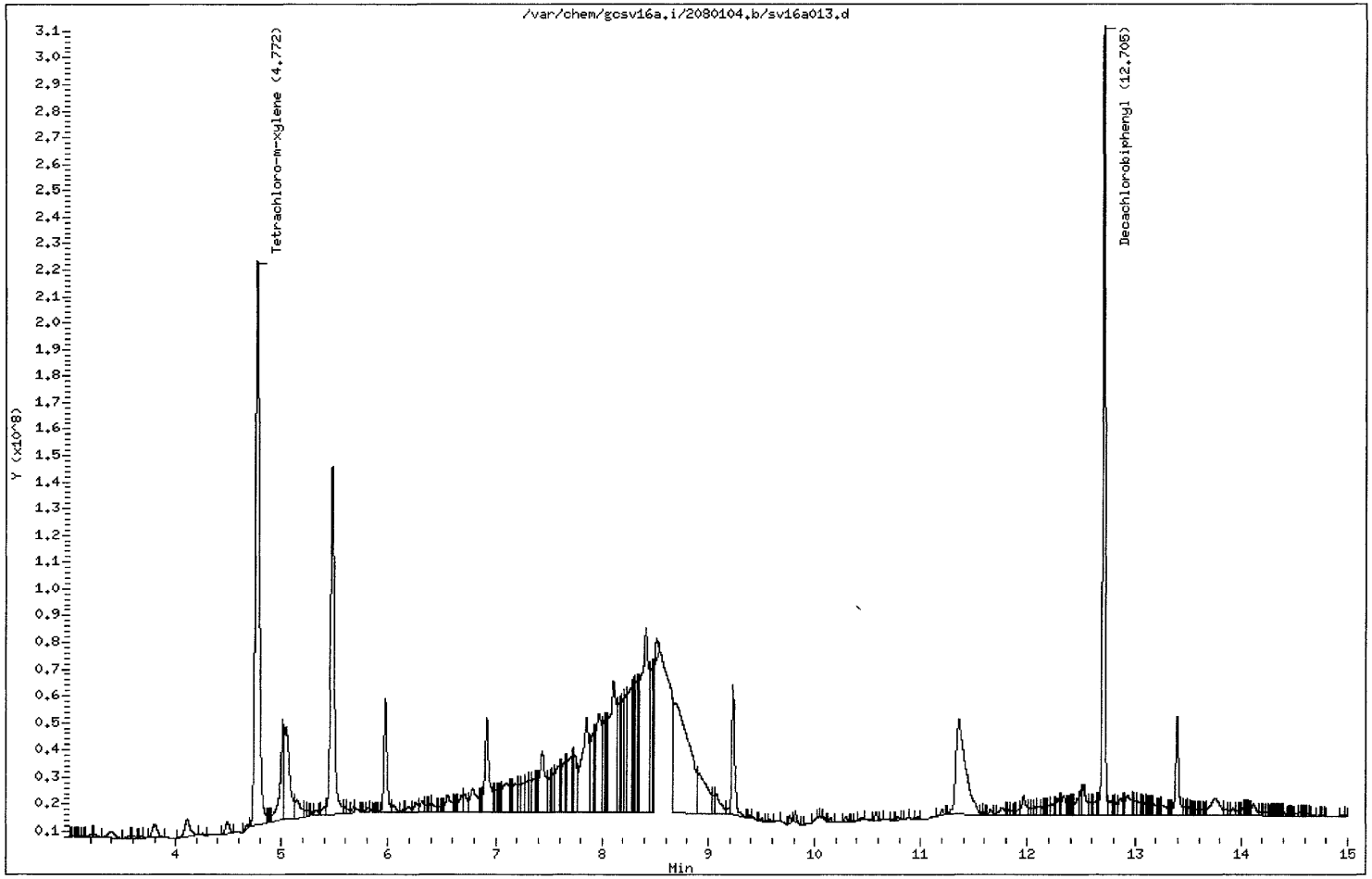
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	4.772	4.777	-0.005	557233945	74.3548	12
$ 22 Decachlorobiphenyl	12.705	12.711	-0.006	441321996	83.6325	14

169295

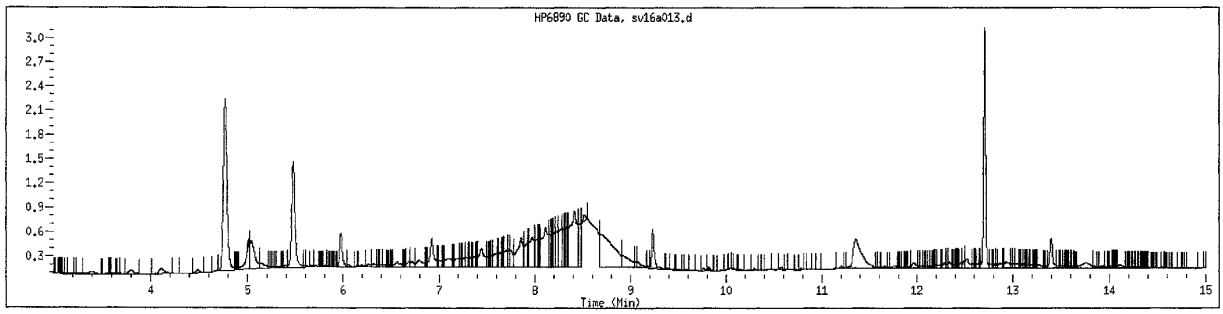
Data File: /var/chem/gcsv16a.i/2080104.b/sv16a013.d
Date : 04-JAN-2008 14:26
Client ID:
Instrument: gcsv16a.i
Sample Info: 20712202006*1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080104.b/sv16a013.d Page: 1
Report Date: 01/07/2008 10:57

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202006 SampleType : SAMPLE
Injection Date: 01/04/2008 14:26 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20712202006*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: pest



NO MANUAL INTEGRATIONS

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 3WSED3 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30.4 | Units: g | Lab Sample ID: 20712202007

Level: (low/med) LOW | Date Collected: 12/19/07 | Time: 1350

% Moisture: 33.7 | decanted: (Y/N) | Date Received: 12/20/07

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/08 | Time: 1445

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081A

Prep Batch: 364231 | Analytical Batch: 364684 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080104/sv16a014

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
50-29-3	4,4'-DDT	0.00298	U	0.000640	0.00298

FORM I ORG-1

169298

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a014.d
Report Date: 07-Jan-2008 10:57

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a014.d
Lab Smp Id: 20712202007
Inj Date : 04-JAN-2008 14:45
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20712202007*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:57 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.40000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

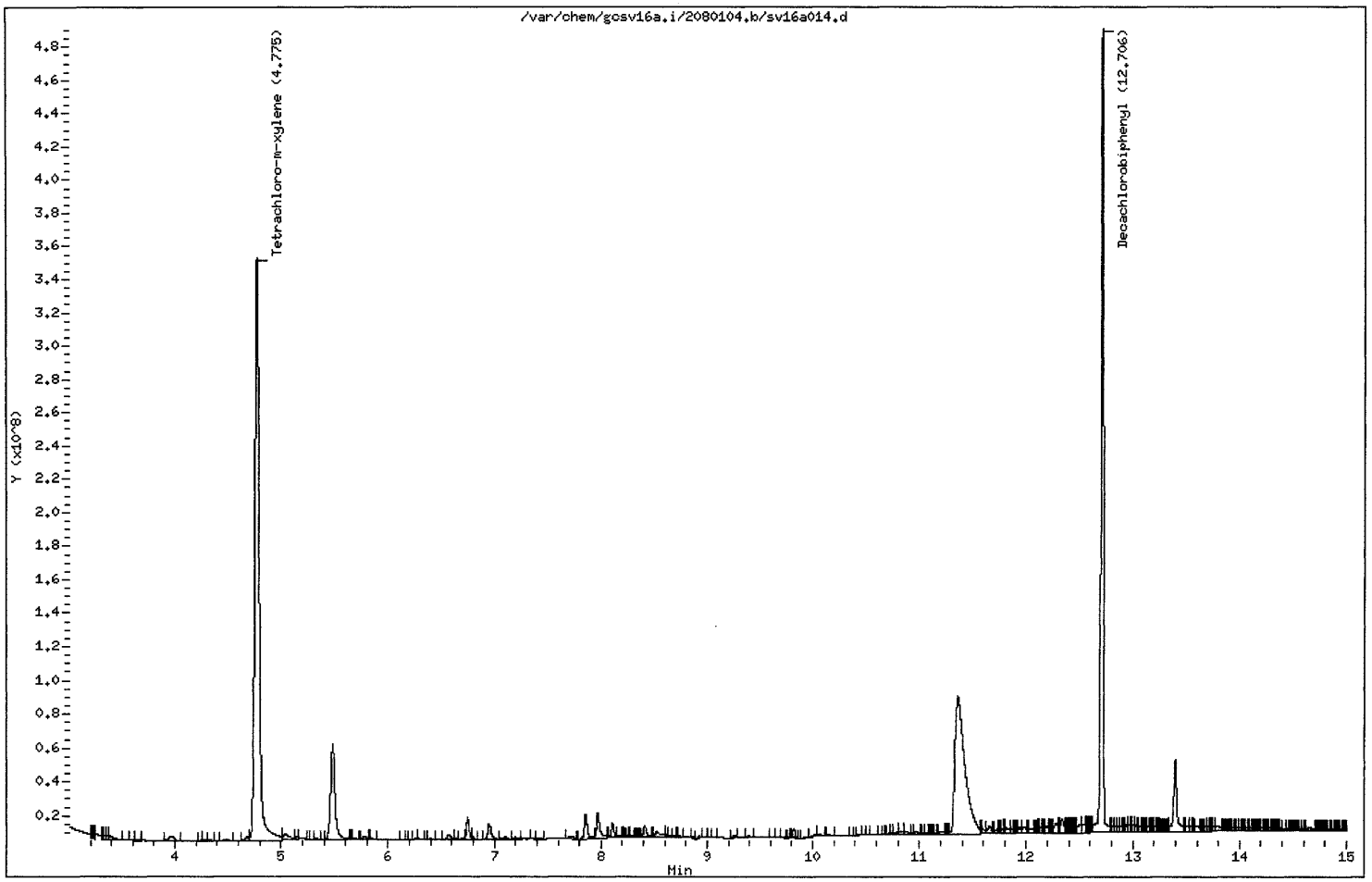
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.775	4.777	-0.002	980187554	130.792	22(A)
$ 22 Decachlorobiphenyl	12.706	12.711	-0.005	730504252	138.434	23

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

169299

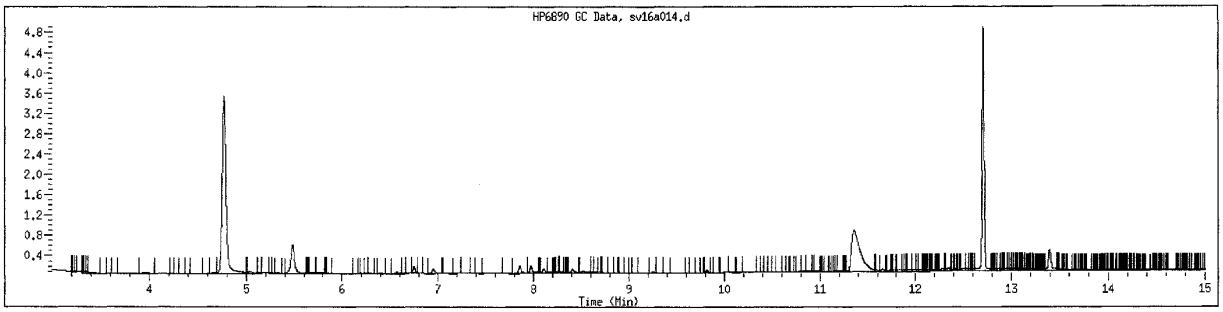
Data File: /var/chem/gcsv16a.i/2080104.b/sv16a014.d
Date : 04-JAN-2008 14:45
Client ID:
Instrument: gcsv16a.i
Sample Info: 20712202007*1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080104.b/sv16a014.d Page: 1
Report Date: 01/07/2008 10:57

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202007 SampleType : SAMPLE
Injection Date: 01/04/2008 14:45 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20712202007*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: pest



NO MANUAL INTEGRATIONS

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 3WSED2 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20712202008

Level: (low/med) LOW | Date Collected: 12/19/07 | Time: 1355

% Moisture: 32.4 | decanted: (Y/N) | Date Received: 12/20/07

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/08 | Time: 1649

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081A

Prep Batch: 364231 | Analytical Batch: 364684 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080104/sv16a019

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
50-29-3	4,4'-DDT	0.00295	U	0.000634	0.00295

FORM I ORG-1

169302

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a019.d
Report Date: 07-Jan-2008 10:57

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a019.d
Lab Smp Id: 20712202008
Inj Date : 04-JAN-2008 16:49
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20712202008*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:57 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.10000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.778	4.777	0.001	1203845748	160.636	27(AM2)
$ 22 Decachlorobiphenyl	12.706	12.711	-0.005	879394451	166.649	28(M2)

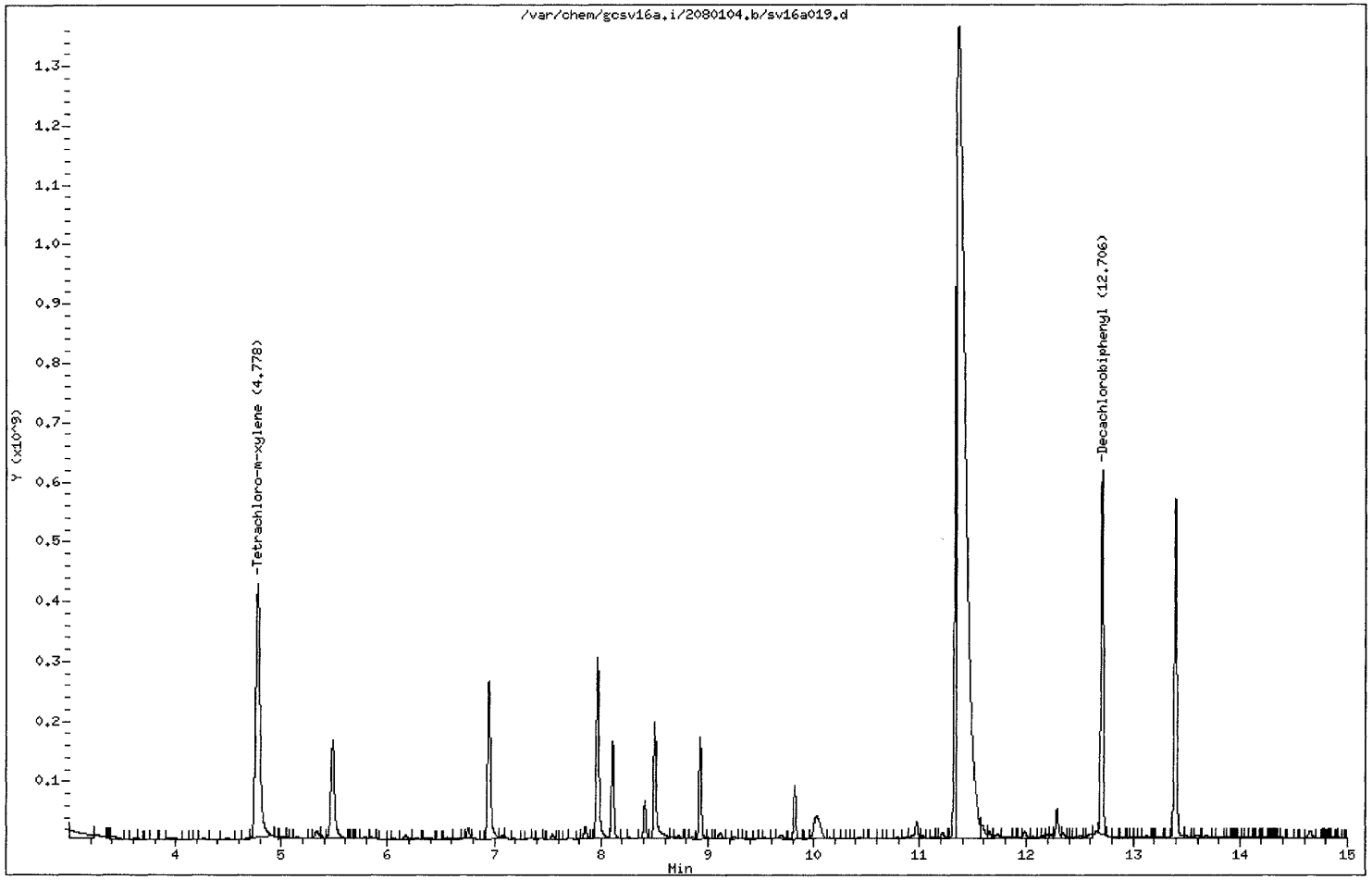
QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
M2- Compound response manually integrated because
Target system integrated incorrectly.

169303

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a019.d
Date : 04-JAN-2008 16:49
Client ID:
Sample Info: 20712202008*1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

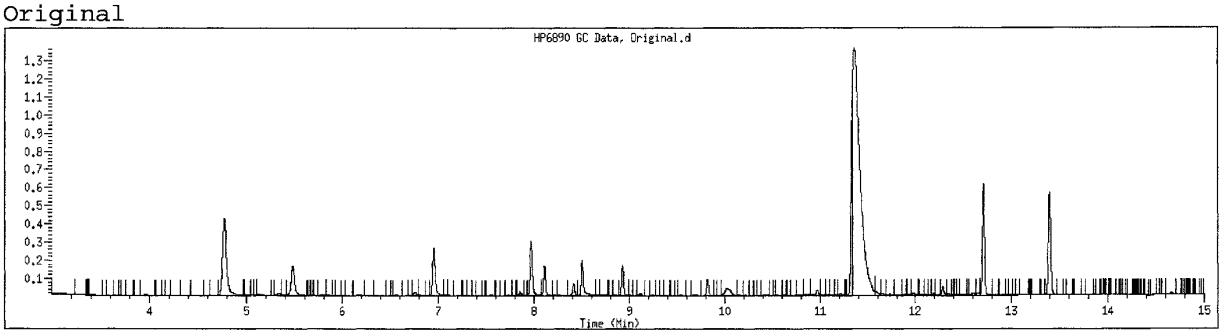


Data file : /var/chem/gcsv16a.i/2080104.b/sv16a019.d Page: 1
Report Date: 01/07/2008 10:57

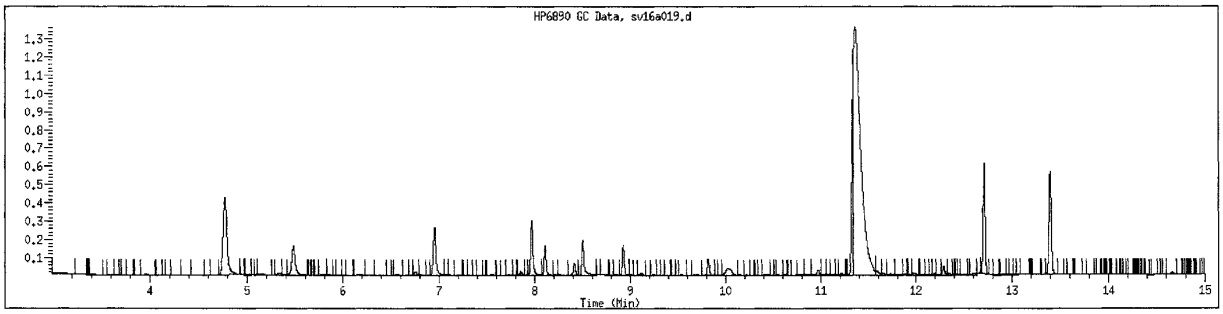
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20712202008	SampleType	: SAMPLE
Injection Date	: 01/04/2008 16:49	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 20712202008*1		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080104.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: Falcon	Compound Sublist	: pest

Original



Final



169305

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 3WSED1 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30.3 | Units: g | Lab Sample ID: 20712202009

Level: (low/med) LOW | Date Collected: 12/19/07 | Time: 1510

% Moisture: 28.8 | decanted: (Y/N) | Date Received: 12/20/07

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/08 | Time: 1708

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081A

Prep Batch: 364231 | Analytical Batch: 364684 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080104/sv16a020

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
50-29-3	4,4'-DDT	0.00278	U	0.000598	0.00278

FORM I ORG-1

169306

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a020.d
Report Date: 07-Jan-2008 10:57

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a020.d
Lab Smp Id: 20712202009
Inj Date : 04-JAN-2008 17:08
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20712202009*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:57 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.30000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

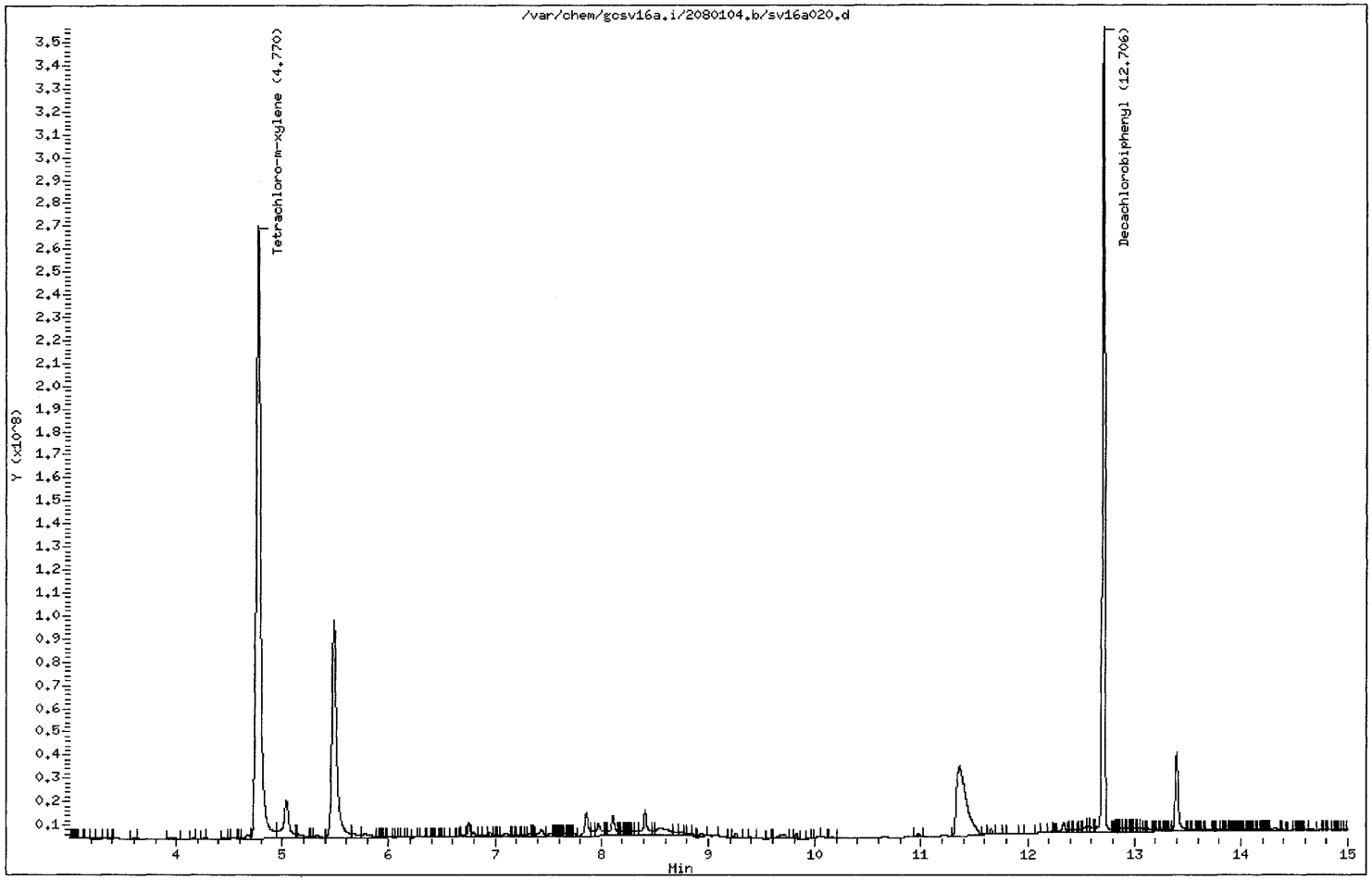
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.770	4.777	-0.007	755280737	100.781	17(A)
$ 22 Decachlorobiphenyl	12.706	12.711	-0.005	516656727	97.9088	16

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.

169307

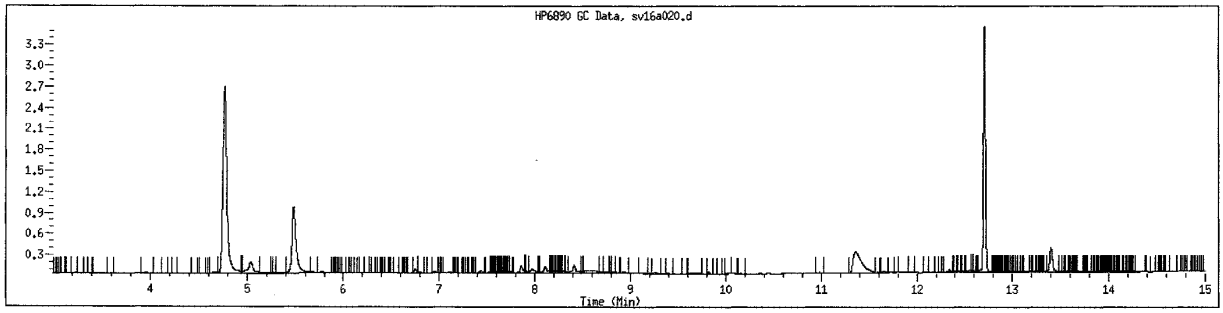
Data File: /var/chem/gcsv16a.i/2080104.b/sv16a020.d
Date : 04-JAN-2008 17:08
Client ID:
Instrument: gcsv16a.i
Sample Info: 20712202009*1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080104.b/sv16a020.d Page: 1
Report Date: 01/07/2008 10:57

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202009 SampleType : SAMPLE
Injection Date: 01/04/2008 17:08 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20712202009*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: pest



NO MANUAL INTEGRATIONS

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SS-900 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30.2 | Units: g | Lab Sample ID: 20712202010

Level: (low/med) LOW | Date Collected: 12/19/07 | Time: 0000

% Moisture: 32.5 | decanted: (Y/N) | Date Received: 12/20/07

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/08 | Time: 1745

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081A

Prep Batch: 364231 | Analytical Batch: 364684 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080104/sv16a022

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
50-29-3	4,4'-DDT	0.00294	U	0.000633	0.00294
60-57-1	Dieldrin	0.00294	U	0.000552	0.00294

FORM I ORG-1

169310

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a022.d
Report Date: 07-Jan-2008 10:57

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a022.d
Lab Smp Id: 20712202010
Inj Date : 04-JAN-2008 17:45
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20712202010*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:57 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.20000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.778	4.777	0.001	1087115231	145.060	24(A)
$ 22 Decachlorobiphenyl	12.706	12.711	-0.005	744533301	141.092	23

QC Flag Legend

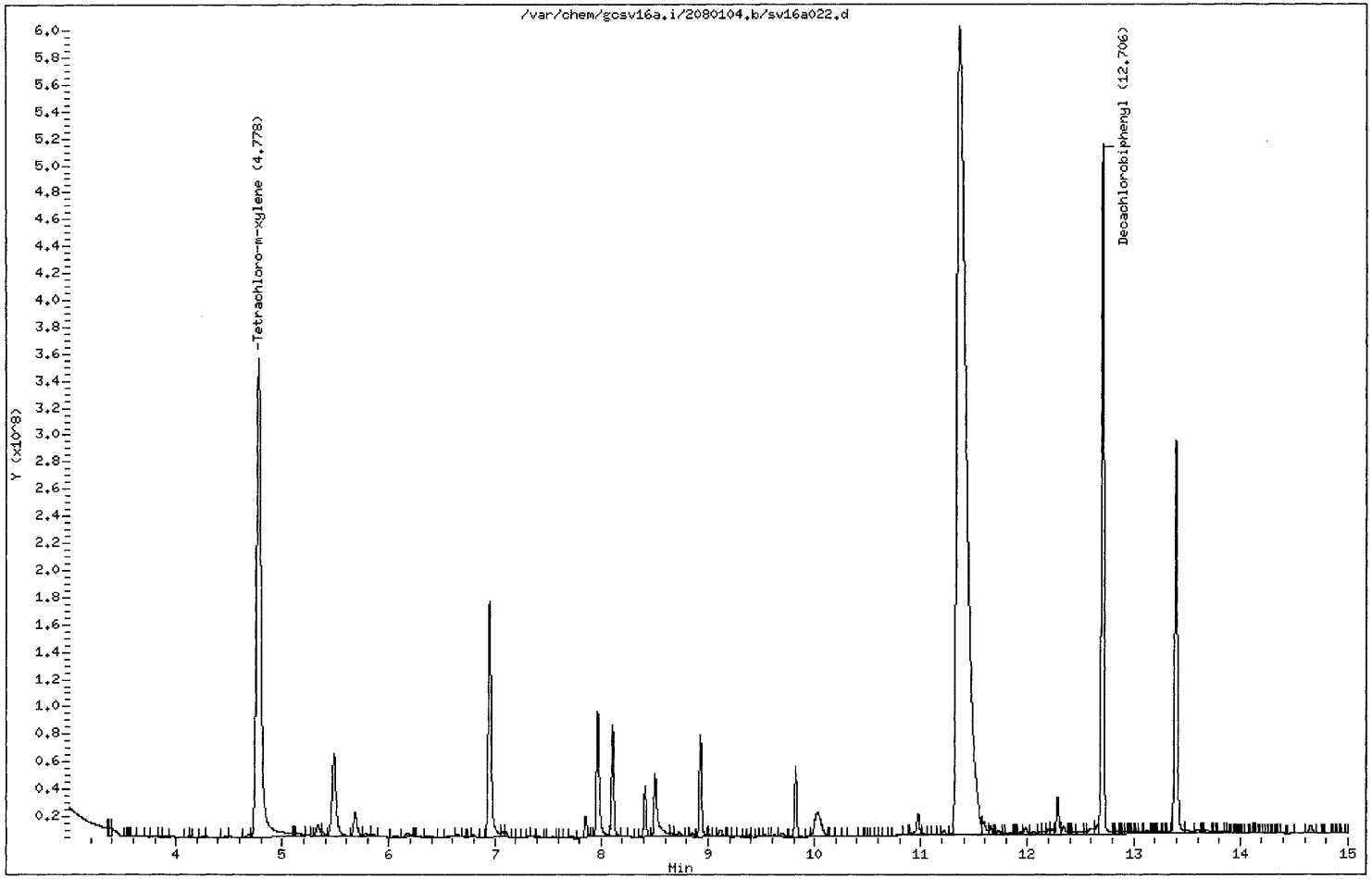
A - Target compound detected but, quantitated amount
exceeded maximum amount.

169311

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a022.d
Date : 04-JAN-2008 17:45
Client ID:
Sample Info: 20712202010*1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

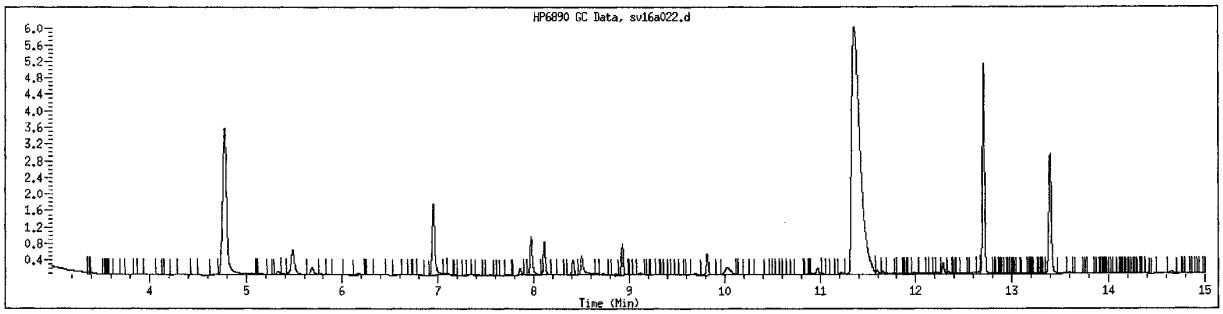
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080104.b/sv16a022.d Page: 1
Report Date: 01/07/2008 10:57

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202010 SampleType : SAMPLE
Injection Date: 01/04/2008 17:45 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20712202010*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: pest



NO MANUAL INTEGRATIONS

169313

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 3WSED7 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20712202011

Level: (low/med) LOW | Date Collected: 12/19/07 | Time: 1440

% Moisture: 50.4 | decanted: (Y/N) | Date Received: 12/20/07

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/08 | Time: 1804

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081A

Prep Batch: 364231 | Analytical Batch: 364684 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080104/sv16a023

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
50-29-3	4,4'-DDT	0.00402	U	0.000864	0.00402

FORM I ORG-1

169314

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a023.d
Report Date: 07-Jan-2008 10:57

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a023.d
Lab Smp Id: 20712202011
Inj Date : 04-JAN-2008 18:04
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20712202011*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:57 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 23
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.10000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

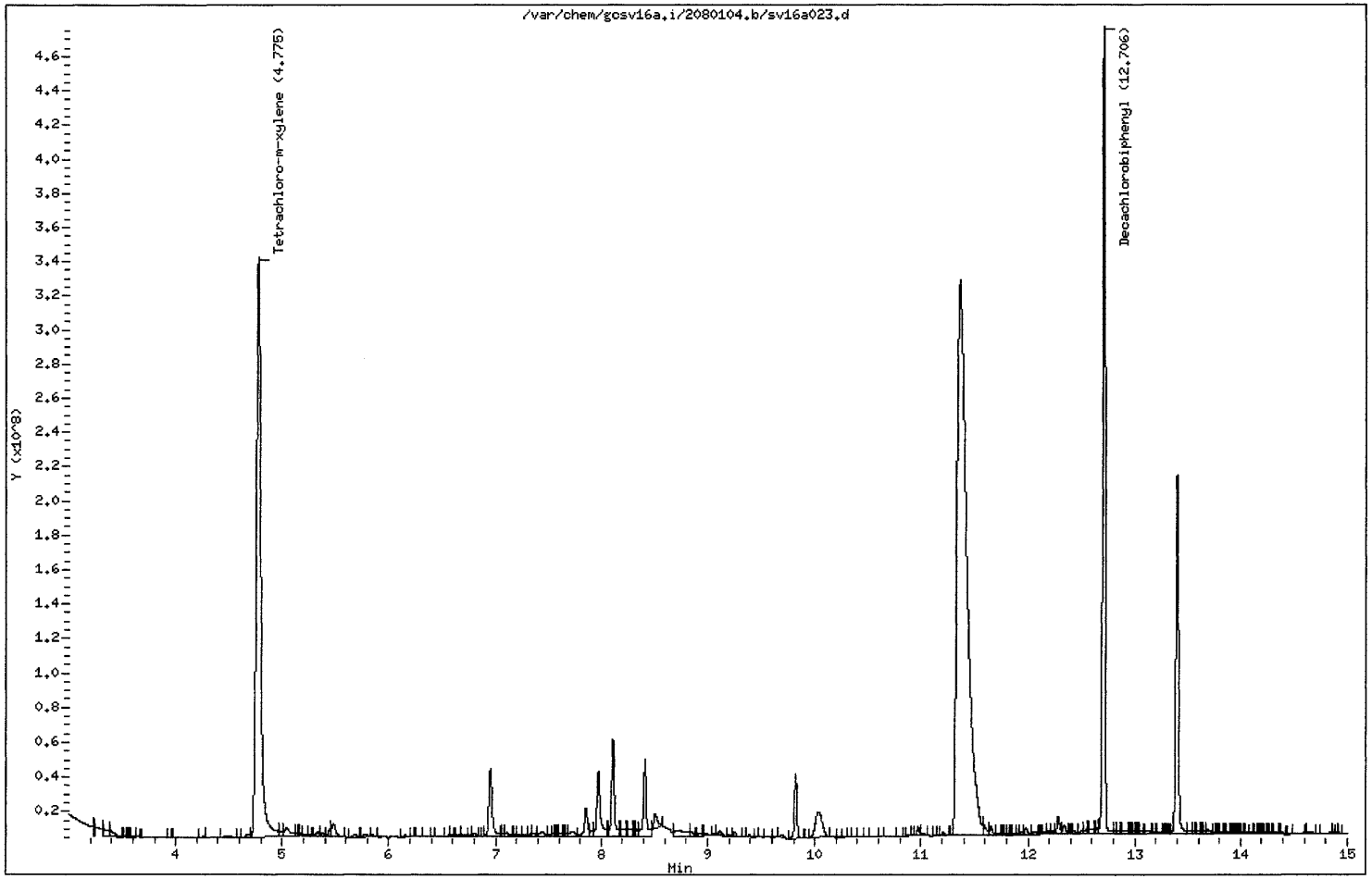
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.775	4.777	-0.002	985997608	131.567	22(A)
$ 22 Decachlorobiphenyl	12.706	12.711	-0.005	684981264	129.807	22

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a023.d
Date : 04-JAN-2008 18:04
Client ID:
Sample Info: 20712202011*1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

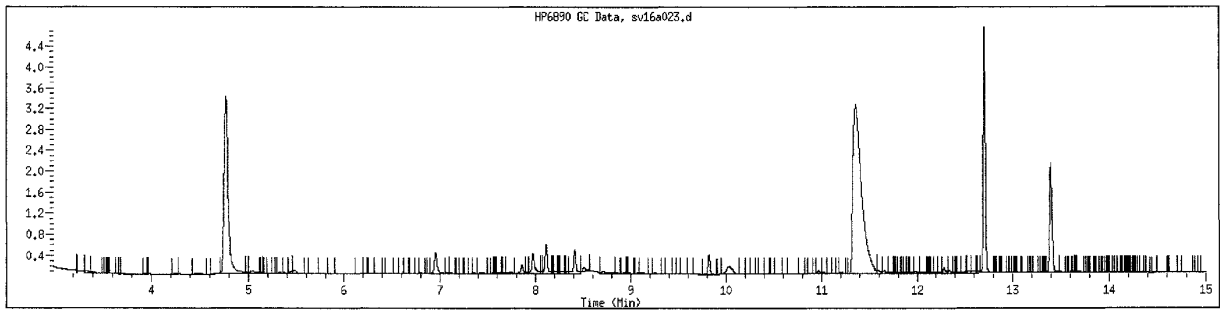
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080104.b/sv16a023.d Page: 1
Report Date: 01/07/2008 10:57

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202011 SampleType : SAMPLE
Injection Date: 01/04/2008 18:04 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20712202011*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: pest



NO MANUAL INTEGRATIONS

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Soil
Sample wt/vol: 30.3 Units: g
Level: (low/med) LOW
% Moisture: 27.6 decanted: (Y/N)
GC Column: RTX-35MS-3 ID: .25 (mm)
Concentrated Extract Volume: 5000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 364231 Analytical Batch: 364684

Sample ID: 3WSED8 (0-0.5)
Contract:
SAS No.: SDG No.: 207122020
Lab Sample ID: 20712202012
Date Collected: 12/19/07 Time: 1430
Date Received: 12/20/07
Date Extracted: 12/30/07
Date Analyzed: 01/04/08 Time: 1841
Dilution Factor: 1 Analyst: TLS
Prep Method: 3550B
Analytical Method: SW-846 8081A
Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A
Lab File ID: 2080104/sv16a025

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
50-29-3	4,4'-DDT	0.00273	U	0.000588	0.00273
60-57-1	Dieldrin	0.00273	U	0.000512	0.00273

FORM I ORG-1

169318

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a025.d
Report Date: 07-Jan-2008 10:57

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a025.d
Lab Smp Id: 20712202012
Inj Date : 04-JAN-2008 18:41
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20712202012*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:57 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 25
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.30000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

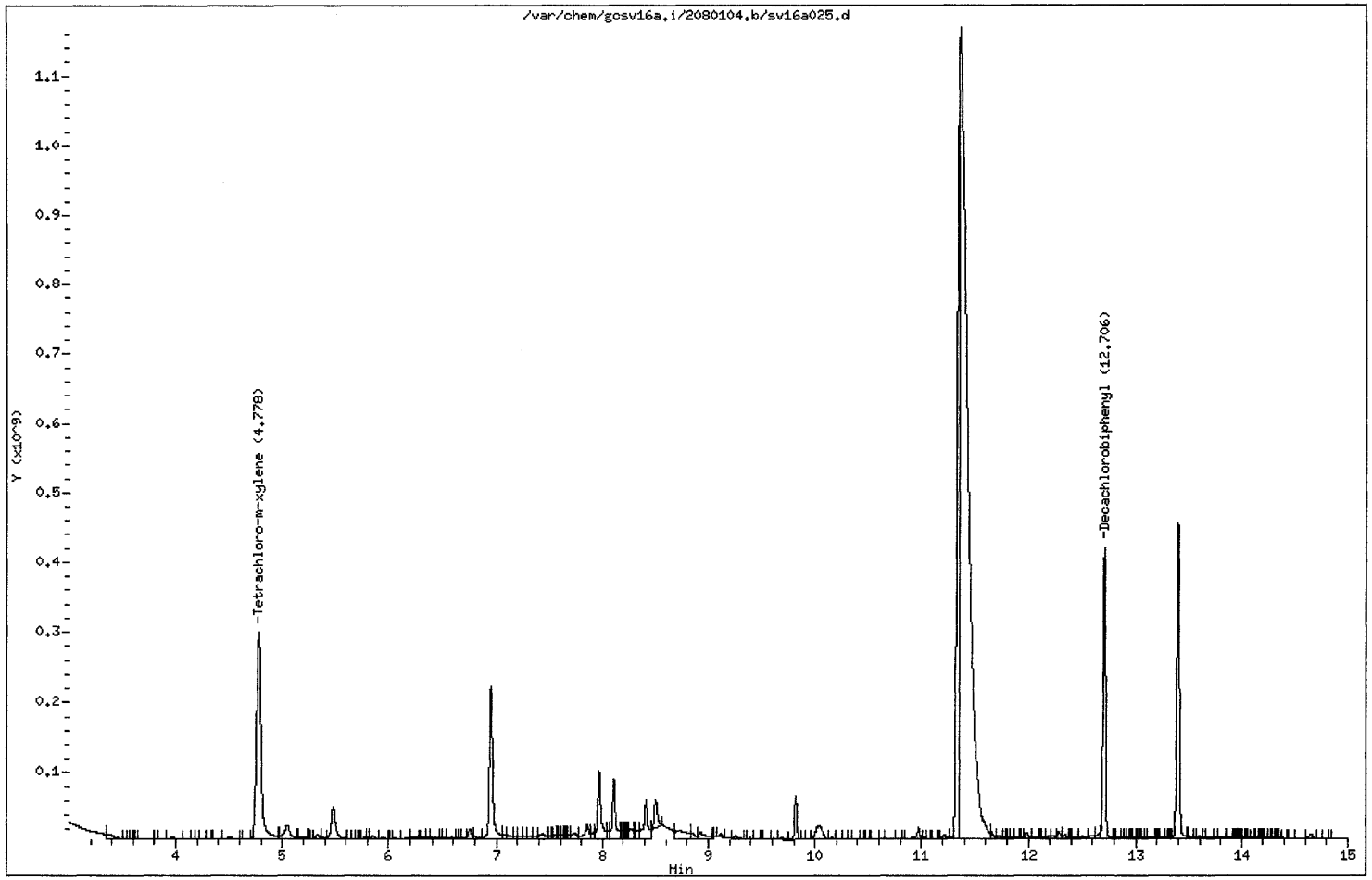
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.778	4.777	0.001	900595708	120.171	20(A)
$ 22 Decachlorobiphenyl	12.706	12.711	-0.005	610398843	115.673	19

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a025.d
Date : 04-JAN-2008 18:41
Client ID:
Sample Info: 20712202012*1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

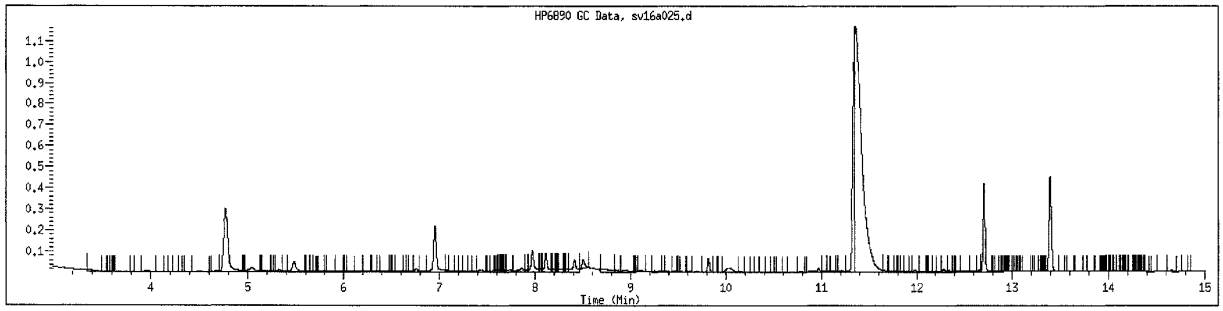
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080104.b/sv16a025.d Page: 1
Report Date: 01/07/2008 10:57

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202012 SampleType : SAMPLE
Injection Date: 01/04/2008 18:41 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20712202012*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: pest



NO MANUAL INTEGRATIONS

169321

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 40.0 decanted: (Y/N)
GC Column: RTX-35MS-3 ID: .25 (mm)
Concentrated Extract Volume: 5000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 364231 Analytical Batch: 364684

CONCENTRATION UNITS: *mg/kg*

Sample ID: 3WSED9 (0-0.5)
Contract:
SAS No.: SDG No.: 207122020
Lab Sample ID: 20712202013
Date Collected: 12/19/07 Time: 1425
Date Received: 12/20/07
Date Extracted: 12/30/07
Date Analyzed: 01/04/08 Time: 1859
Dilution Factor: 1 Analyst: TLS
Prep Method: 3550B
Analytical Method: SW-846 8081A
Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A
Lab File ID: 2080104/sv16a026

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
60-57-1	Dieldrin	0.00333	U	0.000625	0.00333

FORM I ORG-1

169322

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a026.d
Report Date: 07-Jan-2008 10:57

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a026.d
Lab Smp Id: 20712202013
Inj Date : 04-JAN-2008 18:59
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20712202013*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:57 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 26
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

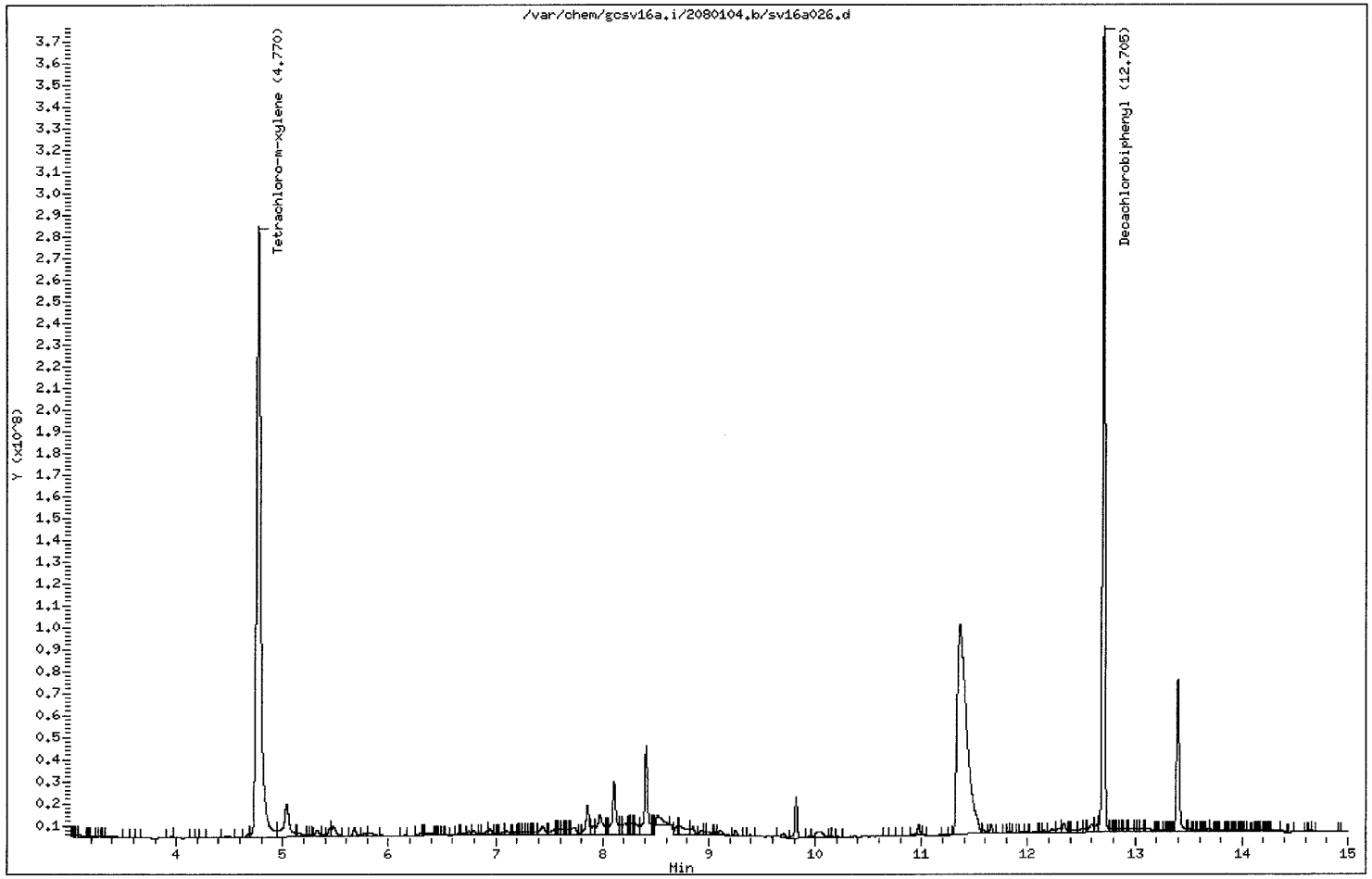
					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	4.770	4.777	-0.007	783380605	104.531	17(A)
$ 22 Decachlorobiphenyl	12.705	12.711	-0.006	538091176	101.971	17

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.

169323

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a026.d
Date : 04-JAN-2008 18:59
Client ID:
Instrument: gcsv16a.i
Sample Info: 20712202013*1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32

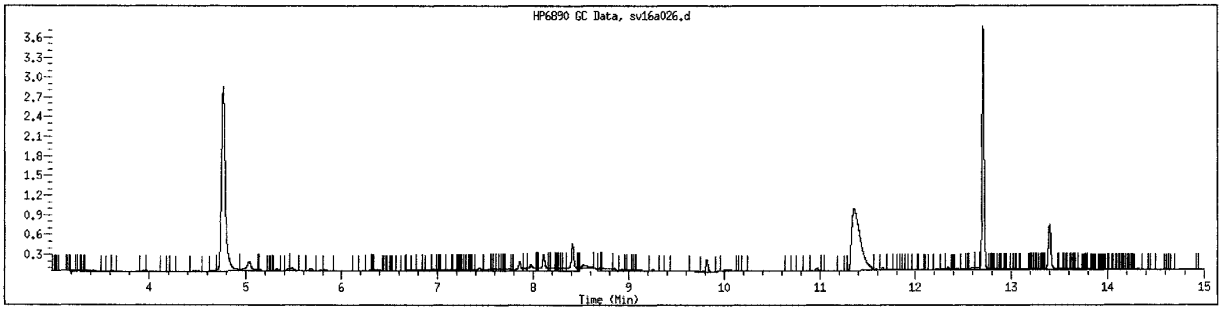


169324

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a026.d Page: 1
Report Date: 01/07/2008 10:57

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202013 SampleType : SAMPLE
Injection Date: 01/04/2008 18:59 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20712202013*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: pest



NO MANUAL INTEGRATIONS

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SS121907-EB

Lab Code: LA024 | Case No.: | Contract:

Matrix: Water | SAS No.: | SDG No.: 207122020

Sample wt/vol: 980 | Units: mL | Lab Sample ID: 20712202014

Level: (low/med) LOW | Date Collected: 12/19/07 | Time: 1530

% Moisture: | decanted: (Y/N) | Date Received: 12/20/07

GC Column: RTX-XLB-30 | ID: .25 (mm) | Date Extracted: 12/25/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/28/07 | Time: 1359

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3510C

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081A

Prep Batch: 364075 | Analytical Batch: 364419 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18B

CONCENTRATION UNITS: mg/L | Lab File ID: 2071228/SV18B010

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.0000510	U	0.000002	0.000051
72-55-9	4,4'-DDE	0.0000510	U	0.000001	0.000051
50-29-3	4,4'-DDT	0.0000510	U	0.000001	0.000051
309-00-2	Aldrin	0.0000255	U	0.000002	0.000025
60-57-1	Dieldrin	0.0000510	U	0.000004	0.000051
959-98-8	Endosulfan I	0.0000255	U	0.000003	0.000025
33213-65-9	Endosulfan II	0.0000510	U	0.000001	0.000051
1031-07-8	Endosulfan sulfate	0.0000510	U	0.000001	0.000051
72-20-8	Endrin	0.0000510	U	0.000001	0.000051
7421-93-4	Endrin aldehyde	0.0000510	U	0.000001	0.000051
53494-70-5	Endrin ketone	0.0000510	U	0.000001	0.000051
76-44-8	Heptachlor	0.0000255	U	0.000002	0.000025
1024-57-3	Heptachlor epoxide	0.0000255	U	0.000002	0.000025
72-43-5	Methoxychlor	0.000255	U	0.000002	0.000255
8001-35-2	Toxaphene	0.00255	U	0.000281	0.00255
319-84-6	alpha-BHC	0.0000255	U	0.000001	0.000025
5103-71-9	alpha-Chlordane	0.0000255	U	0.000004	0.000025
319-85-7	beta-BHC	0.0000255	U	0.000001	0.000025
319-86-8	delta-BHC	0.0000255	U	0.000001	0.000025
58-89-9	gamma-BHC (Lindane)	0.0000255	U	0.000001	0.000025
5103-74-2	gamma-Chlordane	0.0000255	U	0.000005	0.000025

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b010.d
Report Date: 31-Dec-2007 11:14

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071228.b/sv18b010.d
Lab Smp Id: 20712202014
Inj Date : 28-DEC-2007 13:59
Operator : tls Inst ID: gcsv18b.i
Smp Info : 20712202014*1
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Meth Date : 31-Dec-2007 10:36 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:58 Cal File: sv18b025.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	980.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

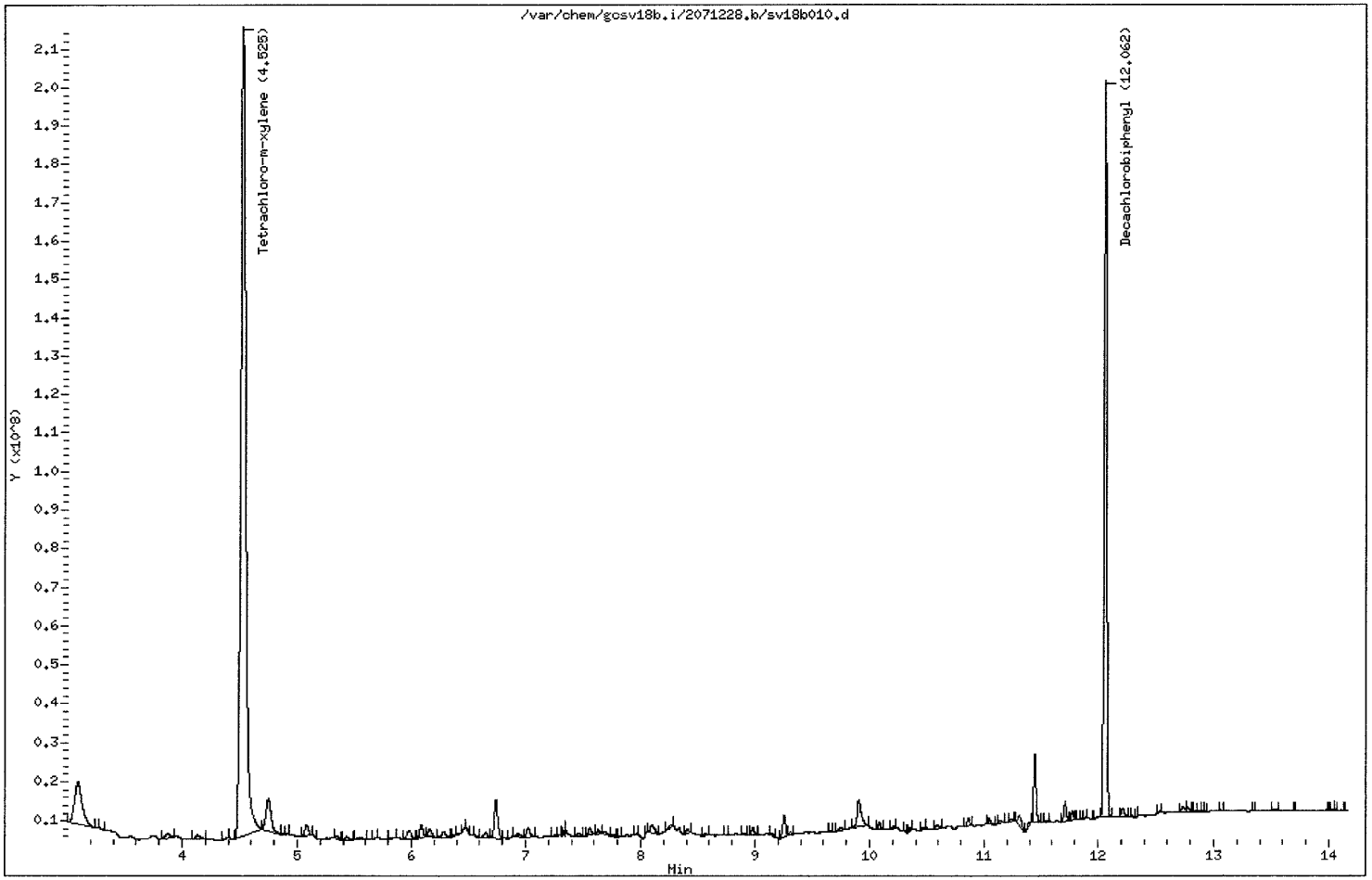
					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/L)
$ 1 Tetrachloro-m-xylene	4.525	4.522	0.003	622357577	80.3858	0.41
$ 22 Decachlorobiphenyl	12.062	12.062	0.000	280389012	48.4027	0.25(M2)

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

169327

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b010.d
Date : 28-DEC-2007 13:59
Client ID:
Instrument: gcsv18b.i
Sample Info: 20712202014*1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-XLB-30M
Column diameter: 0.32

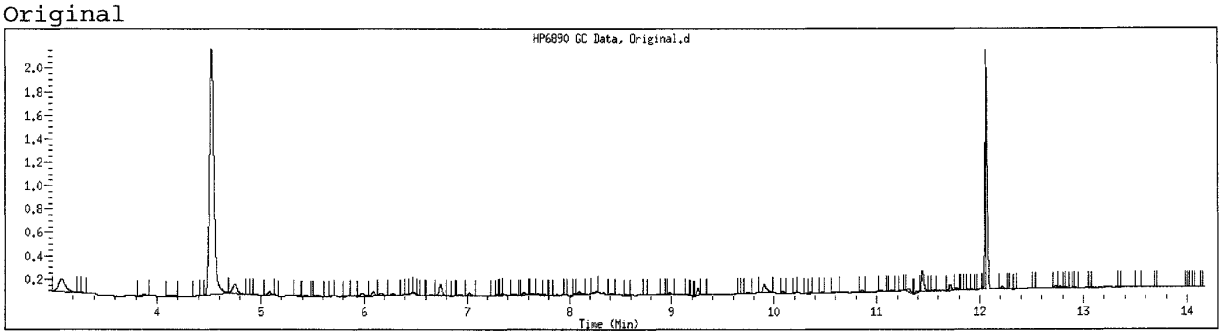


Data file : /var/chem/gcsv18b.i/2071228.b/sv18b010.d Page: 1
Report Date: 12/31/2007 11:14

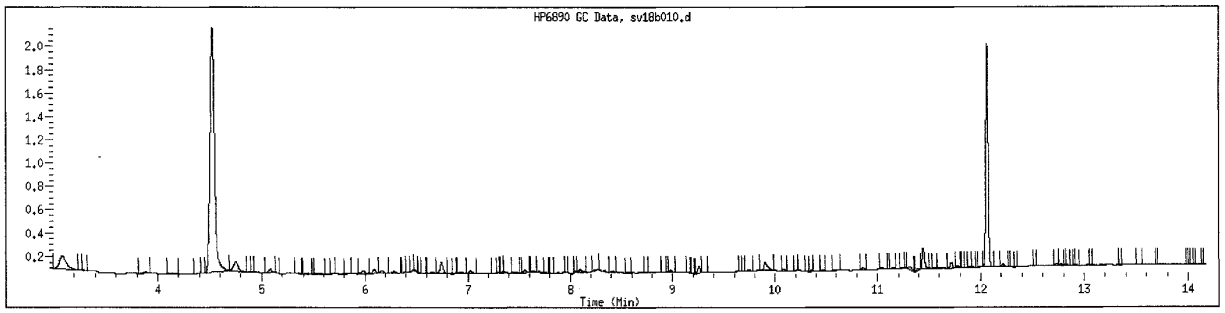
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20712202014	SampleType	: SAMPLE
Injection Date	: 12/28/2007 13:59	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 20712202014*1		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071228.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist:	all

Original



Final



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: SS121907-FB

Lab Code: LA024 Case No.:
Contract:

Matrix: Water
SAS No.: SDG No.: 207122020

Sample wt/vol: 970 Units: mL
Lab Sample ID: 20712202015

Level: (low/med) LOW
Date Collected: 12/19/07 Time: 1540

% Moisture: decanted: (Y/N)
Date Received: 12/20/07

GC Column: RTX-XLB-30 ID: .25 (mm)
Date Extracted: 12/25/07

Concentrated Extract Volume: 5000 (µL)
Date Analyzed: 12/28/07 Time: 1417

Soil Aliquot Volume: (µL)
Dilution Factor: 1 Analyst: TLS

Injection Volume: 1 (µL)
Prep Method: 3510C

GPC Cleanup: (Y/N) N pH:
Analytical Method: SW-846 8081A

Prep Batch: 364075 Analytical Batch: 364419
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18B

CONCENTRATION UNITS: mg/L
Lab File ID: 2071228/SV18B011

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.0000515	U	0.000002	0.000051
72-55-9	4,4'-DDE	0.0000515	U	0.000002	0.000051
50-29-3	4,4'-DDT	0.0000515	U	0.000001	0.000051
309-00-2	Aldrin	0.0000258	U	0.000002	0.000025
60-57-1	Dieldrin	0.0000515	U	0.000004	0.000051
959-98-8	Endosulfan I	0.0000258	U	0.000003	0.000025
33213-65-9	Endosulfan II	0.0000515	U	0.000001	0.000051
1031-07-8	Endosulfan sulfate	0.0000515	U	0.000001	0.000051
72-20-8	Endrin	0.0000515	U	0.000002	0.000051
7421-93-4	Endrin aldehyde	0.0000515	U	0.000001	0.000051
53494-70-5	Endrin ketone	0.0000515	U	0.000001	0.000051
76-44-8	Heptachlor	0.0000258	U	0.000002	0.000025
1024-57-3	Heptachlor epoxide	0.0000258	U	0.000002	0.000025
72-43-5	Methoxychlor	0.000258	U	0.000002	0.000258
8001-35-2	Toxaphene	0.00258	U	0.000284	0.00258
319-84-6	alpha-BHC	0.0000258	U	0.000001	0.000025
5103-71-9	alpha-Chlordane	0.0000258	U	0.000004	0.000025
319-85-7	beta-BHC	0.0000258	U	0.000001	0.000025
319-86-8	delta-BHC	0.0000258	U	0.000001	0.000025
58-89-9	gamma-BHC (Lindane)	0.0000258	U	0.000001	0.000025
5103-74-2	gamma-Chlordane	0.0000258	U	0.000005	0.000025

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b011.d
Report Date: 31-Dec-2007 10:36

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071228.b/sv18b011.d
Lab Smp Id: 20712202015
Inj Date : 28-DEC-2007 14:17
Operator : tls Inst ID: gcsv18b.i
Smp Info : 20712202015*1
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Meth Date : 31-Dec-2007 10:36 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:58 Cal File: sv18b025.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

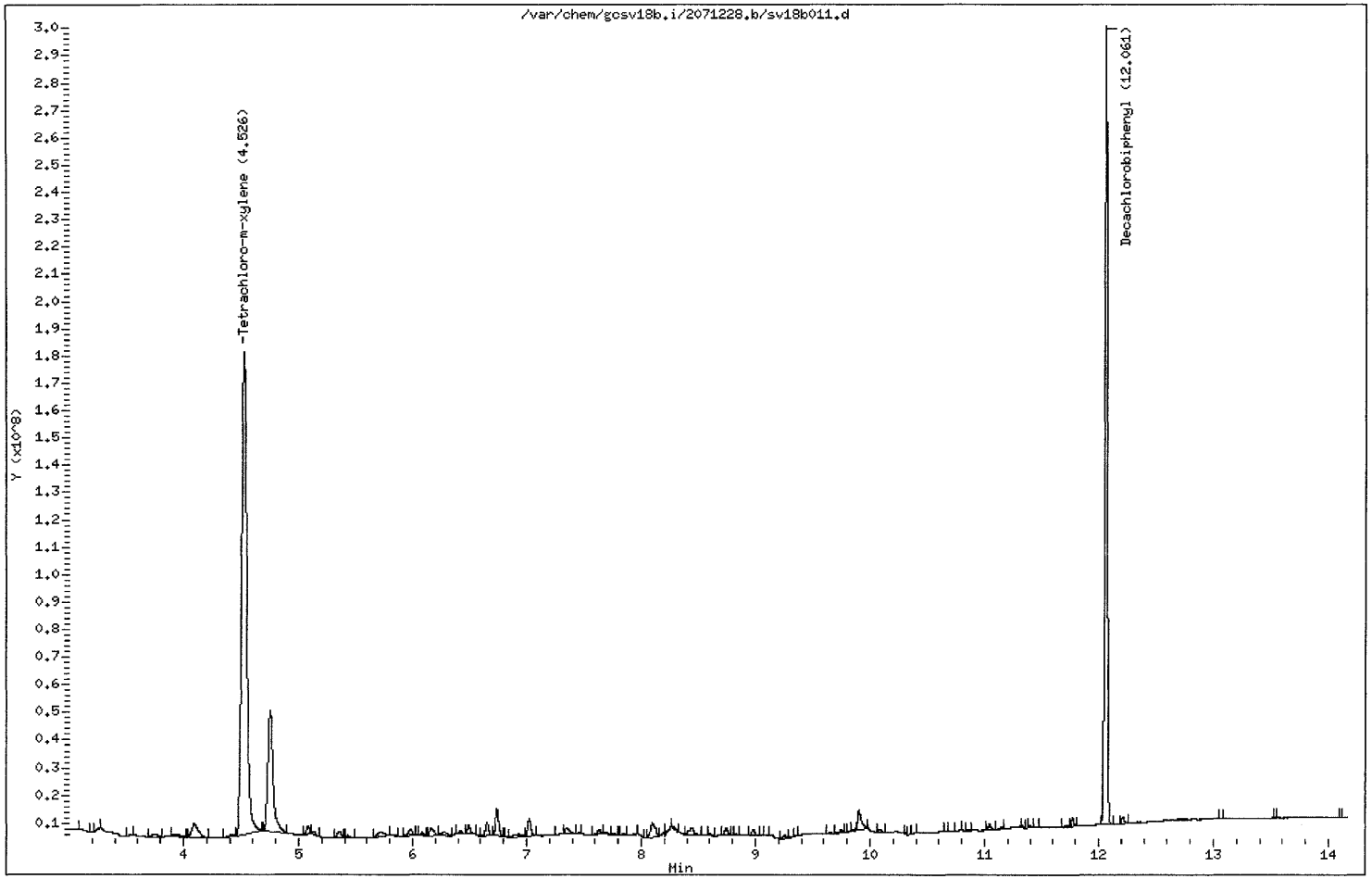
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	970.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
$ 1 Tetrachloro-m-xylene	4.526	4.522	0.004	521661323	67.3795	0.35
$ 22 Decachlorobiphenyl	12.061	12.062	-0.001	428346201	73.9442	0.38

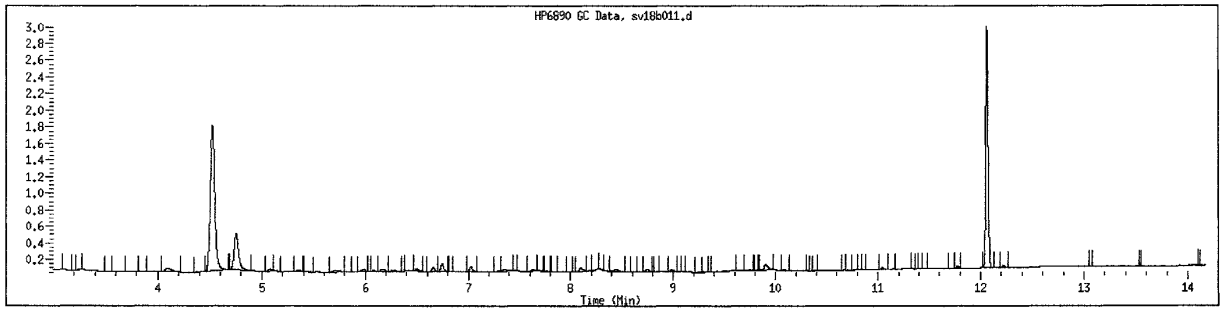
169331

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b011.d
Date : 28-DEC-2007 14:17
Client ID:
Instrument: gcsv18b.i
Sample Info: 20712202015*1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-XLB-30M
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20712202015	SampleType	: SAMPLE
Injection Date	: 12/28/2007 14:17	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 20712202015*1		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071228.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: all



NO MANUAL INTEGRATIONS

Report Date : 09-Jan-2008 11:42

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:10
End Cal Date : 13-DEC-2007 18:40
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Cal Date : 09-Jan-2008 07:34 dlb
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv18a.i/2071213.b/sv18a021.d
Level 2: /var/chem/gcsv18a.i/2071213.b/sv18a022.d
Level 3: /var/chem/gcsv18a.i/2071213.b/sv18a023.d
Level 4: /var/chem/gcsv18a.i/2071213.b/sv18a024.d
Level 5: /var/chem/gcsv18a.i/2071213.b/sv18a025.d
Level 6: /var/chem/gcsv18a.i/2071213.b/sv18a020.d

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	2 alpha-BHC	8842926	9800182	9038131	8983374	8809527	13030845	9750831	16.894
	3 gamma-BHC (Lindane)	7866734	8725655	7975676	7932635	7799781	+++++	8060096	4.690
	4 Heptachlor	6572527	7215872	6548265	6507974	6430423	+++++	6655012	4.780
	5 Aldrin	7064221	7856326	7201760	7110635	6916666	+++++	7229922	5.049
	6 beta-BHC	3806325	4089329	3750796	3715335	3620052	+++++	3796367	4.669
	7 delta-BHC	7685750	8626861	7948137	7897812	7797662	+++++	7991244	4.621
	8 Heptachlor epoxide	6519175	7179356	6493914	6394894	6216312	+++++	6560730	5.574
	9 Endosulfan I	5780410	6523531	6088798	5992137	5725697	+++++	6022115	5.271
	10 gamma-Chlordane	6394446	7037929	6439591	6356227	6188115	+++++	6483262	5.002
	11 alpha-Chlordane	5772382	6549696	5978153	5904600	5858899	+++++	6012746	5.144
	12 4,4'-DDE	6282466	6863132	6170192	6078538	5953259	+++++	6269518	5.633
	13 Dieldrin	6216484	6856337	6198764	6090078	5939898	+++++	6260312	5.606
	14 Endrin	4868165	5279998	4743706	4674791	4610098	+++++	4835352	5.508
	15 4,4'-DDD	4687995	5177820	4765762	4759566	4703664	+++++	4818961	4.222
	16 Endosulfan II	5254903	5837531	5272674	5169802	5045823	+++++	5316147	5.736
	17 4,4'-DDT	4645419	5379446	4899637	4888383	4918803	+++++	4946338	5.391
	18 Endrin aldehyde	4168866	4526996	4157517	4111620	4019970	+++++	4196994	4.612
	19 Methoxychlor	1878537	2030952	1790504	1819450	1847163	+++++	1873321	5.016
	20 Endosulfan sulfate	4444233	4914356	4472414	4432295	4370800	+++++	4526820	4.855
	21 Endrin ketone	5339235	5897893	5364612	5317138	5241893	+++++	5432154	4.867
M	23 AR 1016-AVG	1361030	1305483	1238941	1152888	1054960	1410786	1254015	10.625

169334

Report Date : 09-Jan-2008 11:42

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:10
End Cal Date : 13-DEC-2007 18:40
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Cal Date : 09-Jan-2008 07:34 dlb
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	24 AR 1016-PEAK1	148130	145921	134672	122896	109298	149041	134993	11.926
	25 AR 1016-PEAK2	337359	323514	301763	278721	252160	361234	309125	12.894
	26 AR 1016-PEAK3	656962	621317	593904	555741	513011	694125	605843	10.928
	27 AR 1016-PEAK4	218579	214731	208602	195531	180491	206386	204053	6.857
M	28 AR 1260-AVG	1761756	1680032	1669834	1600017	1510690	1792273	1669100	6.211
	29 AR 1260-PEAK1	217333	209025	208348	200313	189063	228305	208731	6.481
	30 AR 1260-PEAK2	333323	323598	317570	303034	282346	351232	318517	7.514
	31 AR 1260-PEAK3	433083	408394	399524	380130	356150	455595	405479	8.819
	32 AR 1260-PEAK4	778017	739015	744391	716540	683130	757140	736372	4.490
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	197154	+++++	+++++	+++++	197154	0.000
	38 AR 1221-PEAK1	+++++	+++++	53509	+++++	+++++	+++++	53509	0.000
	39 AR 1221-PEAK2	+++++	+++++	18576	+++++	+++++	+++++	18576	0.000
	40 AR 1221-PEAK3	+++++	+++++	76219	+++++	+++++	+++++	76219	0.000
	41 AR 1221-PEAK4	+++++	+++++	48850	+++++	+++++	+++++	48850	0.000
M	42 AR 1232-AVG	+++++	+++++	589548	+++++	+++++	+++++	589548	0.000
	43 AR 1232-PEAK1	+++++	+++++	123451	+++++	+++++	+++++	123451	0.000
	44 AR 1232-PEAK2	+++++	+++++	136636	+++++	+++++	+++++	136636	0.000
	45 AR 1232-PEAK3	+++++	+++++	244665	+++++	+++++	+++++	244665	0.000
	46 AR 1232-PEAK4	+++++	+++++	84795	+++++	+++++	+++++	84795	0.000
M	47 AR 1242-AVG	+++++	+++++	936329	+++++	+++++	+++++	936329	0.000
	48 AR 1242-PEAK1	+++++	+++++	211876	+++++	+++++	+++++	211876	0.000
	49 AR 1242-PEAK2	+++++	+++++	413310	+++++	+++++	+++++	413310	0.000
	50 AR 1242-PEAK3	+++++	+++++	159069	+++++	+++++	+++++	159069	0.000
	51 AR 1242-PEAK4	+++++	+++++	152075	+++++	+++++	+++++	152075	0.000
M	52 AR 1248-AVG	+++++	+++++	865349	+++++	+++++	+++++	865349	0.000

Report Date : 09-Jan-2008 11:42

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:10
End Cal Date : 13-DEC-2007 18:40
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Cal Date : 09-Jan-2008 07:34 dlb
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	53 AR 1248-PEAK1	+++++	+++++	171635	+++++	+++++	+++++	171635	0.000
	54 AR 1248-PEAK2	+++++	+++++	222425	+++++	+++++	+++++	222425	0.000
	55 AR 1248-PEAK3	+++++	+++++	271970	+++++	+++++	+++++	271970	0.000
	56 AR 1248-PEAK4	+++++	+++++	199320	+++++	+++++	+++++	199320	0.000
M	57 AR 1254-AVG	+++++	+++++	809095	+++++	+++++	+++++	809095	0.000
	58 AR 1254-PEAK1	+++++	+++++	106939	+++++	+++++	+++++	106939	0.000
	59 AR 1254-PEAK2	+++++	+++++	103676	+++++	+++++	+++++	103676	0.000
	60 AR 1254-PEAK3	+++++	+++++	197609	+++++	+++++	+++++	197609	0.000
	61 AR 1254-PEAK4	+++++	+++++	400870	+++++	+++++	+++++	400870	0.000
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	697307	+++++	697307	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	184937	+++++	184937	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	222536	+++++	222536	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	147713	+++++	147713	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	142120	+++++	142120	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	1920710	+++++	1920710	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	276750	+++++	276750	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	318896	+++++	318896	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	695015	+++++	695015	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	630049	+++++	630049	0.000
	73 CHLORDANE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	74 AR 1268-AVG	+++++	+++++	3169437	+++++	+++++	+++++	3169437	0.000
	75 AR 1268-PEAK1	+++++	+++++	714673	+++++	+++++	+++++	714673	0.000
	76 AR 1268-PEAK2	+++++	+++++	569423	+++++	+++++	+++++	569423	0.000
	77 AR 1268-PEAK3	+++++	+++++	496354	+++++	+++++	+++++	496354	0.000
	78 AR 1268 PEAK4	+++++	+++++	1388986	+++++	+++++	+++++	1388986	0.000
M	79 AR 1262-AVG	+++++	+++++	1709626	+++++	+++++	+++++	1709626	0.000
	80 AR 1262-PEAK1	+++++	+++++	279035	+++++	+++++	+++++	279035	0.000
	81 AR 1262-PEAK2	+++++	+++++	379067	+++++	+++++	+++++	379067	0.000

Report Date : 09-Jan-2008 11:42

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:10
End Cal Date : 13-DEC-2007 18:40
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Cal Date : 09-Jan-2008 07:34 dlb
Curve Type : Average

Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	RRF	% RSD
82 AR 1262-PEAK3	+++++	+++++	341498	+++++	+++++	+++++	341498	0.000
83 AR 1262-PEAK4	+++++	+++++	710025	+++++	+++++	+++++	710025	0.000
84 Diallate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
85 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
86 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
173 Kepone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
174 Mirix	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 1 Tetrachloro-m-xylene	6814499	7735014	6951780	6889667	6539868	+++++	6986166	6.401
$ 22 Decachlorobiphenyl	3984686	4378817	4020595	4046412	3997205	+++++	4085543	4.054

Report Date : 09-Jan-2008 11:42

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:10
End Cal Date : 13-DEC-2007 18:40
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Cal Date : 09-Jan-2008 07:34 dlb
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 6.57314
Maximun Average %RSD = 20.00000
* Passed Average %RSD Test.

169338

Gulf Coast Analytical Laboratories, Inc.

Breakdown Calculation

DDT Breakdown Formula:

$$\frac{(\text{Area DDD}) + (\text{Area DDE})}{(\text{Area DDD}) + (\text{Area DDE}) + (\text{Area DDT})} \times 100$$

DDT Breakdown Calculation:

$$\frac{5615543 + 1255214}{5615543 + 1255214 + 380962757} \times 100 = 1.8\ \%$$

DDT Breakdown Criteria: < 15%

==========

Endrin Breakdown Formula:

$$\frac{(\text{Area Endrin ketone}) + (\text{Area Endrin aldehyde})}{(\text{Area End ket}) + (\text{Area End ald}) + (\text{Area Endrin})} \times 100$$

Endrin Breakdown Calculation:

$$\frac{12792216 + 5009364}{12792216 + 5009364 + 376009976} \times 100 = 4.5\ \%$$

Endrin Breakdown Criteria: < 15%

169339

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a002.d
Report Date: 13-Dec-2007 10:47

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a002.d
Lab Smp Id: deg
Inj Date : 13-DEC-2007 10:34
Operator : tls Inst ID: gcsv18a.i
Smp Info : deg*1 80-8-9
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 13-Dec-2007 09:29 tls Quant Type: ESTD
Cal Date : 26-NOV-2007 21:14 Cal File: sv18a023.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

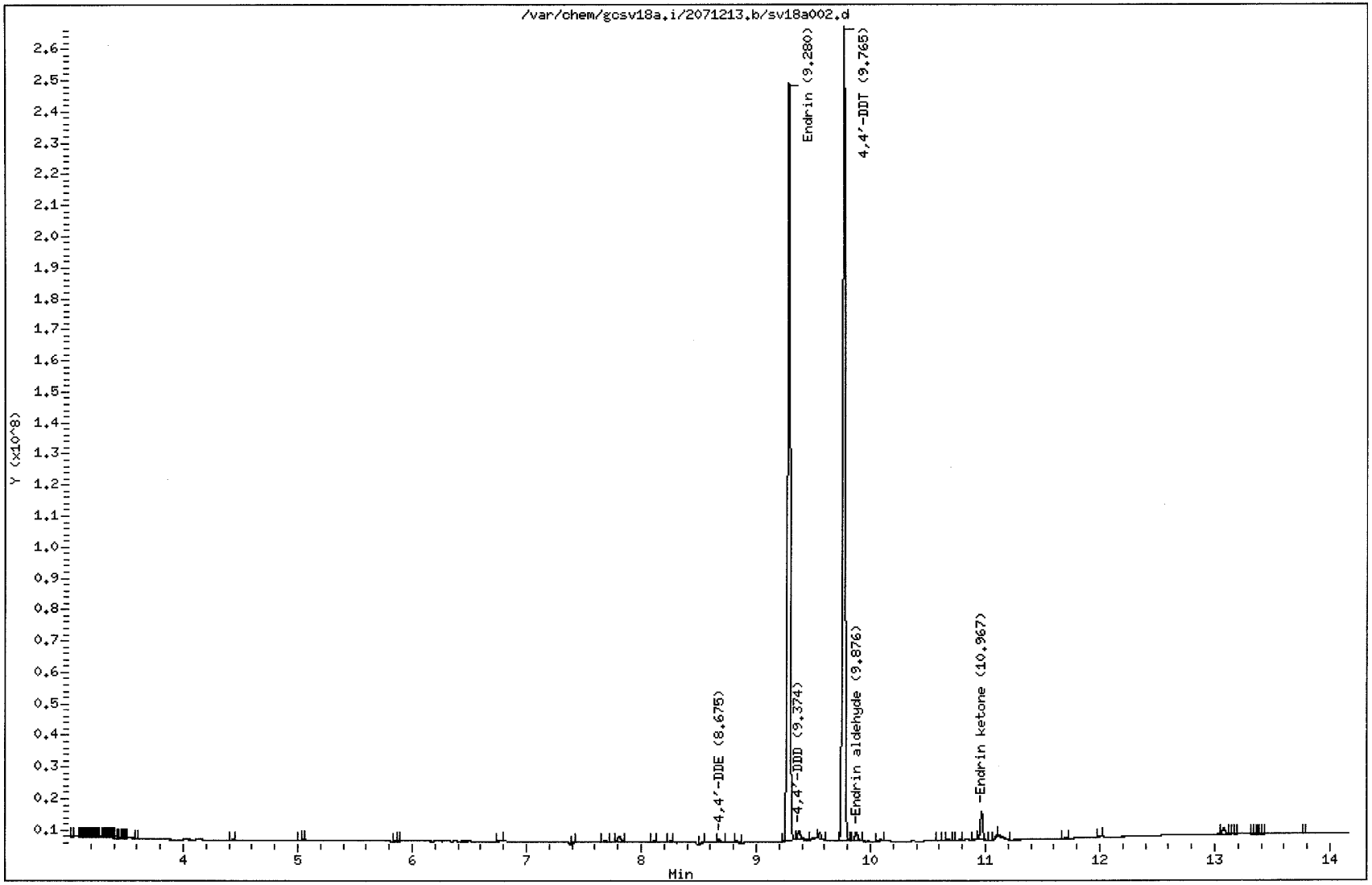
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.675	8.684	-0.009	1255214	0.23626	0.0024
15 4,4'-DDD	9.374	9.379	-0.005	5615543	1.27193	0.013
17 4,4'-DDT	9.765	9.772	-0.007	380962757	98.6565	0.99
18 Endrin aldehyde	9.876	9.882	-0.006	5009364	1.40153	0.014
21 Endrin ketone	10.967	10.975	-0.008	12792216	2.69515	0.027
14 Endrin	9.280	9.289	-0.009	376009976	93.4106	0.93

169340

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a002.d
Date : 13-DEC-2007 10:34
Client ID:
Sample Info: deg*1 80-8-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

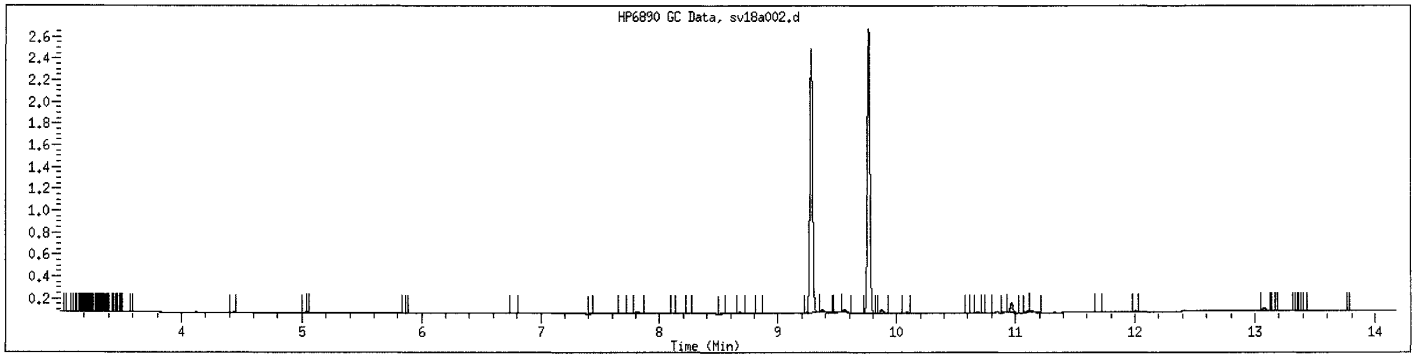
Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



Report Date: 12/13/2007 10:47

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: deg	SampleType	: SAMPLE
Injection Date	: 12/13/2007 10:34	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: deg*1 80-8-9		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: deg



NO MANUAL INTEGRATIONS

169342

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a003.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a003.d
Lab Smp Id: 1206
Inj Date : 13-DEC-2007 12:10
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1206*1 2.5
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 12:10 Cal File: sv18a003.d
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

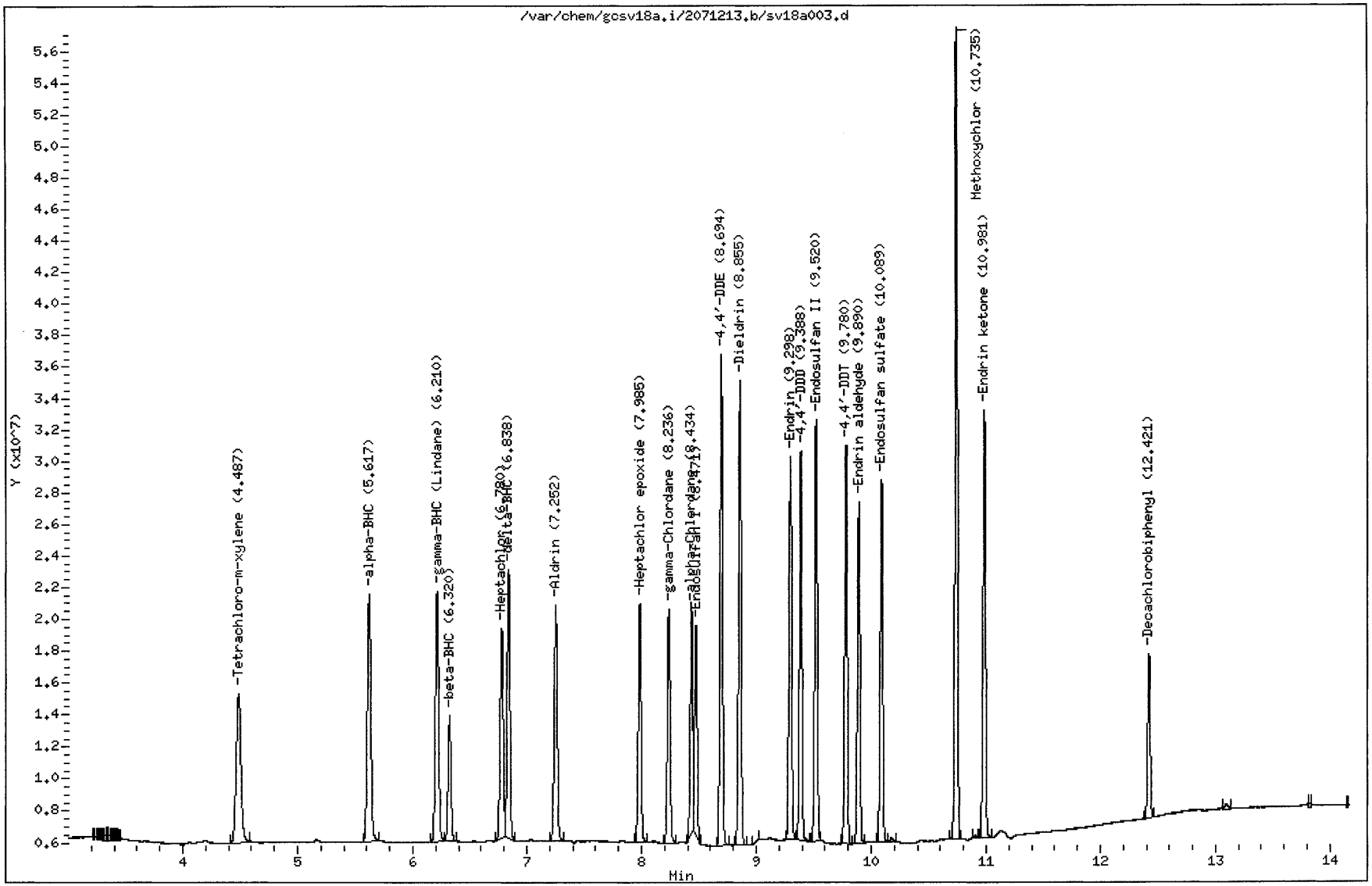
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
2 alpha-BHC	5.617	5.619	-0.002	32577113	2.50000	2.5
6 beta-BHC	6.320	6.320	0.000	14061133	2.50000	
7 delta-BHC	6.838	6.839	-0.001	28467979	2.50000	
5 Aldrin	7.252	7.251	0.001	26224292	2.50000	
8 Heptachlor epoxide	7.985	7.982	0.003	24114731	2.50000	
10 gamma-Chlordane	8.236	8.238	-0.002	23601166	2.50000	
11 alpha-Chlordane	8.434	8.432	0.002	21084739	2.50000	
12 4,4'-DDE	8.694	8.692	0.002	45786784	5.00000	
16 Endosulfan II	9.520	9.520	0.000	39762486	5.00000	
18 Endrin aldehyde	9.890	9.890	0.000	31366945	5.00000	
20 Endosulfan sulfate	10.089	10.089	0.000	33917392	5.00000	
21 Endrin ketone	10.981	10.981	0.000	40586168	5.00000	

169343

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a003.d
Date : 13-DEC-2007 12:10
Client ID:
Sample Info: 1206*1 2.5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32

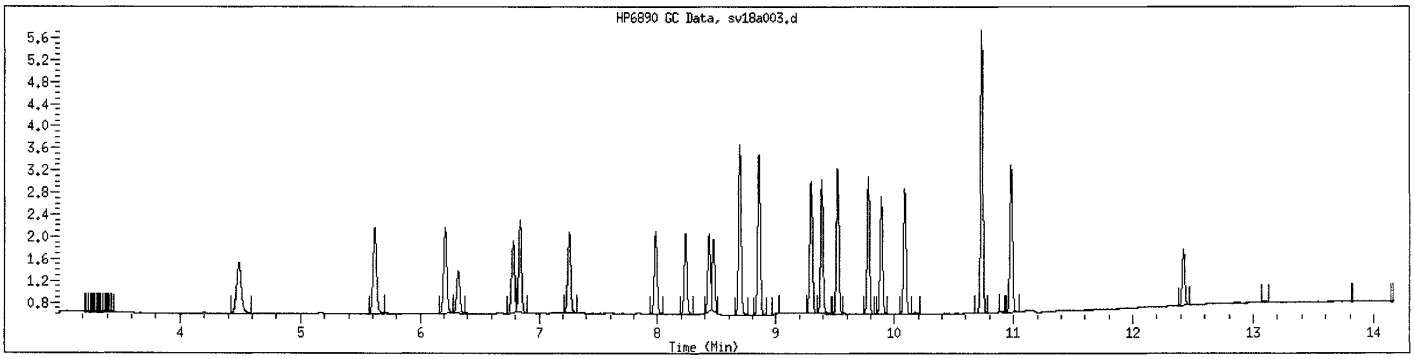


169344

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a003.d Page: 1
Report Date: 12/14/2007 09:13

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1206	SampleType	: CALIB_6
Injection Date	: 12/13/2007 12:10	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1206*1 2.5		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

169345

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a004.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a004.d
Lab Smp Id: 1201
Inj Date : 13-DEC-2007 12:27
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1201*1 5
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 12:27 Cal File: sv18a004.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.461	4.475	-0.014	34072495	5.00000	5.0
2	alpha-BHC	5.598	5.609	-0.011	44214629	5.00000	4.0
3	gamma-BHC (Lindane)	6.193	6.201	-0.008	39333672	5.00000	5.0
6	beta-BHC	6.304	6.311	-0.007	19031623	5.00000	5.0
4	Heptachlor	6.762	6.770	-0.008	32862634	5.00000	5.0
7	delta-BHC	6.822	6.830	-0.008	38428749	5.00000	5.0
5	Aldrin	7.237	7.245	-0.008	35321107	5.00000	5.0
8	Heptachlor epoxide	7.969	7.976	-0.007	32595873	5.00000	5.0
10	gamma-Chlordane	8.222	8.230	-0.008	31972229	5.00000	5.0
11	alpha-Chlordane	8.420	8.426	-0.006	28861909	5.00000	5.0
9	Endosulfan I	8.458	8.465	-0.007	28902052	5.00000	5.0
12	4,4'-DDE	8.680	8.686	-0.006	62824658	10.0000	10
13	Dieldrin	8.843	8.850	-0.007	62164835	10.0000	10

169346

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a004.d
Report Date: 14-Dec-2007 09:13

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	ON-COL (UG/L)	
14	Endrin	9.285	9.293	-0.008	48681646	10.0000	10	
15	4,4'-DDD	9.376	9.383	-0.007	46879950	10.0000	10	
16	Endosulfan II	9.509	9.515	-0.006	52549032	10.0000	10	
17	4,4'-DDT	9.769	9.775	-0.006	46454190	10.0000	10	
18	Endrin aldehyde	9.879	9.885	-0.006	41688657	10.0000	10	
20	Endosulfan sulfate	10.078	10.084	-0.006	44442331	10.0000	10	
19	Methoxychlor	10.724	10.730	-0.006	93926827	50.0000	50	(M2)
21	Endrin ketone	10.971	10.976	-0.005	53392352	10.0000	10	
$ 22	Decachlorobiphenyl	12.413	12.416	-0.003	19923428	5.00000	5.0	

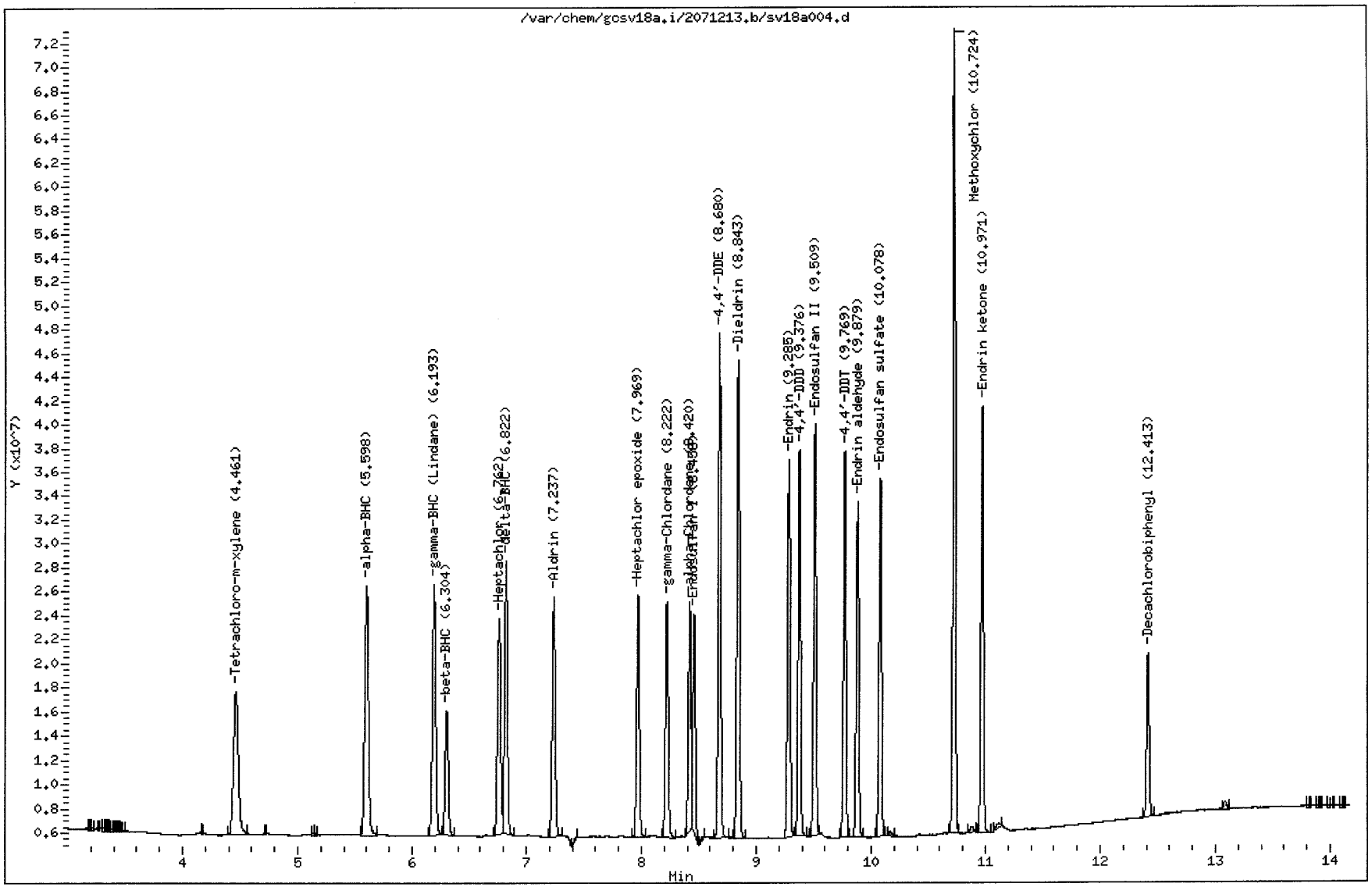
QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

169347

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a004.d
Date : 13-DEC-2007 12:27
Client ID:
Sample Info: 1201x1 5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



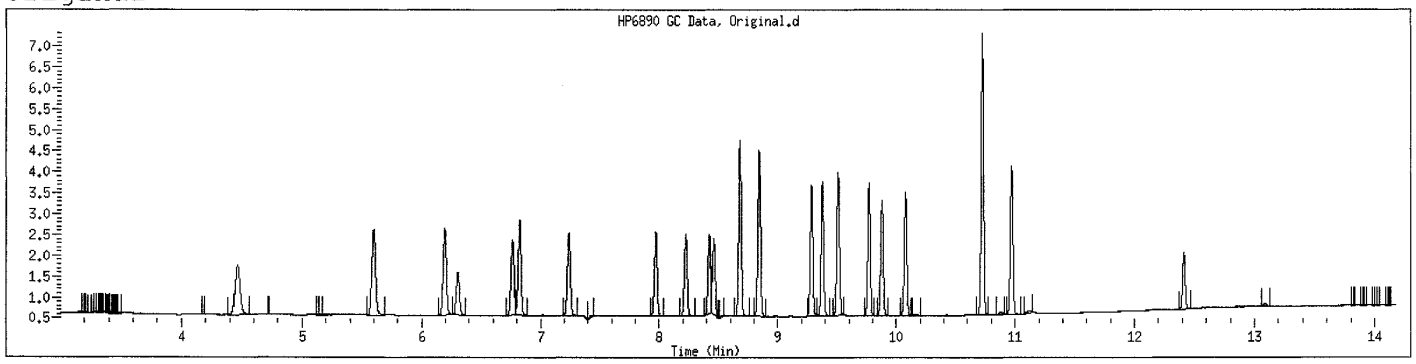
169348

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a004.d Page: 1
Report Date: 12/14/2007 09:13

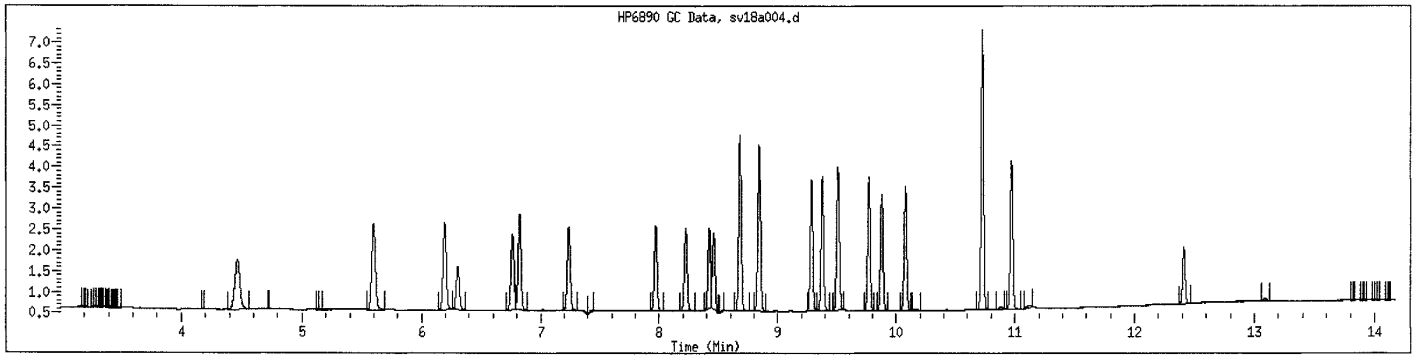
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1201	SampleType	: CALIB_1
Injection Date	: 12/13/2007 12:27	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1201*1 5		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



169349

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a005.d
Report Date: 14-Dec-2007 09:22

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a005.d
Lab Smp Id: 1202
Inj Date : 13-DEC-2007 12:45
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1202*1 20
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:16 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 12:45 Cal File: sv18a005.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.461	4.465	-0.004	154700281	20.0000	22
2	alpha-BHC	5.597	5.601	-0.004	196003641	20.0000	20
3	gamma-BHC (Lindane)	6.192	6.194	-0.002	174513108	20.0000	22
6	beta-BHC	6.302	6.304	-0.002	81786589	20.0000	22
4	Heptachlor	6.761	6.764	-0.003	144317444	20.0000	22
7	delta-BHC	6.821	6.823	-0.002	172537220	20.0000	22
5	Aldrin	7.235	7.238	-0.003	157126513	20.0000	22
8	Heptachlor epoxide	7.968	7.971	-0.003	143587128	20.0000	22
10	gamma-Chlordane	8.221	8.223	-0.002	140758576	20.0000	22
11	alpha-Chlordane	8.419	8.421	-0.002	130993921	20.0000	22
9	Endosulfan I	8.457	8.460	-0.003	130470618	20.0000	22
12	4,4'-DDE	8.678	8.681	-0.003	274525283	40.0000	44
13	Dieldrin	8.841	8.844	-0.003	274253482	40.0000	44

169350

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a005.d
Report Date: 14-Dec-2007 09:22

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.283	9.286	-0.003	211199909	40.0000	44
15 4,4'-DDD	9.375	9.376	-0.001	207112784	40.0000	43
16 Endosulfan II	9.507	9.510	-0.003	233501247	40.0000	44
17 4,4'-DDT	9.768	9.771	-0.003	215177843	40.0000	44
18 Endrin aldehyde	9.877	9.880	-0.003	181079833	40.0000	43
20 Endosulfan sulfate	10.076	10.078	-0.002	196574235	40.0000	43
19 Methoxychlor	10.722	10.724	-0.002	406190478	200.000	220(M1)
21 Endrin ketone	10.969	10.972	-0.003	235915716	40.0000	43
$ 22 Decachlorobiphenyl	12.411	12.412	-0.001	87576349	20.0000	21

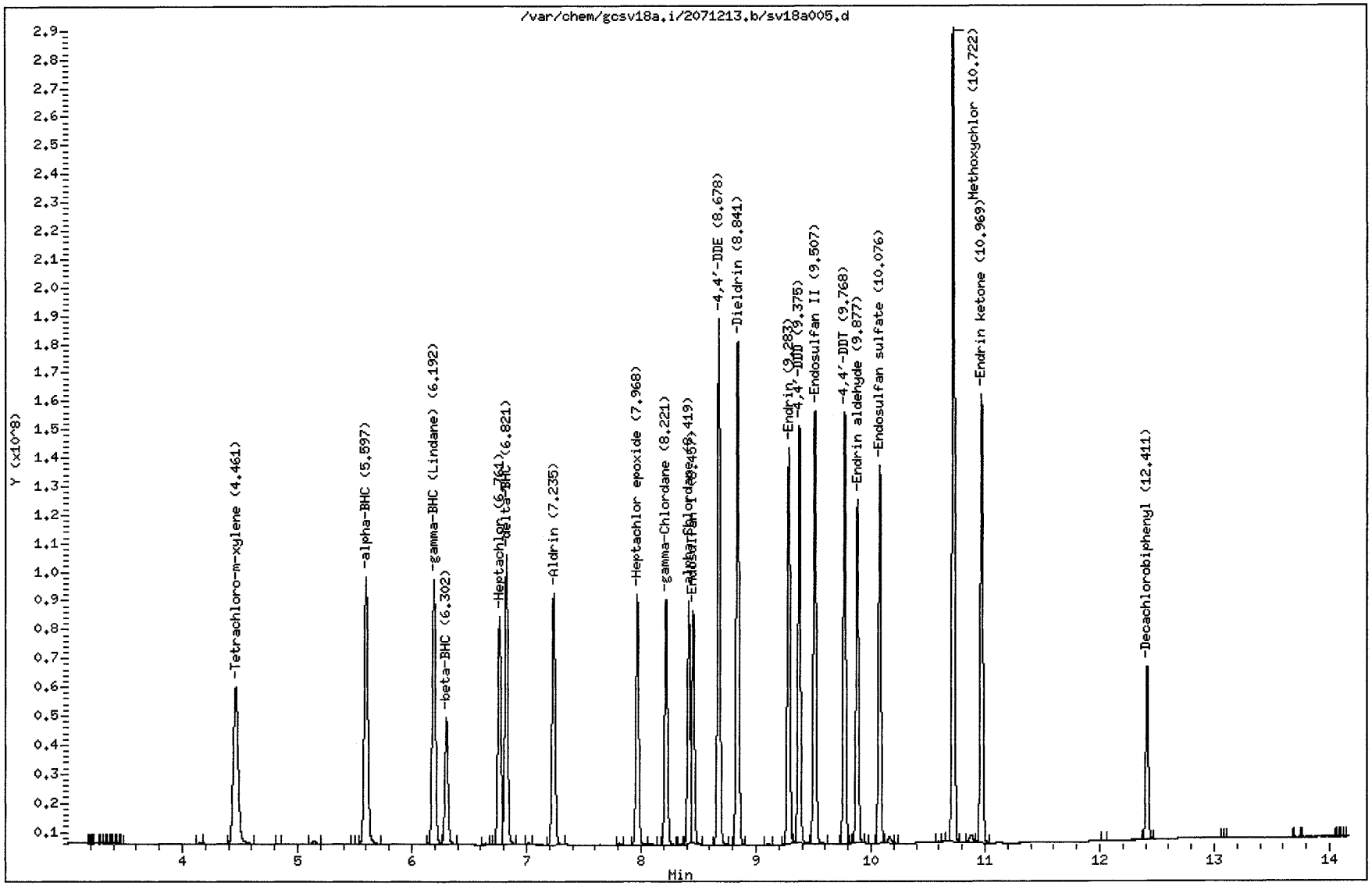
QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.

169351

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a005.d
Date : 13-DEC-2007 12:45
Client ID:
Sample Info: 1202x1 20
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



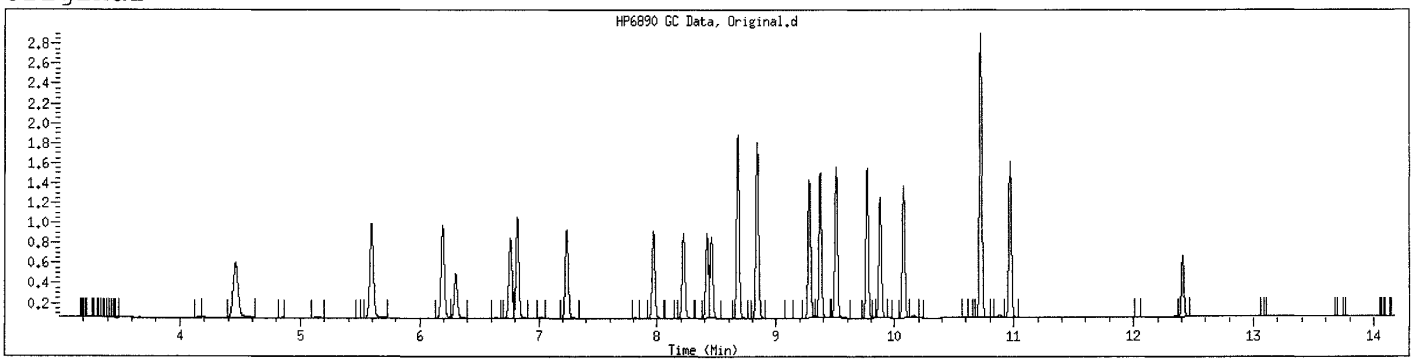
169352

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a005.d Page: 1
Report Date: 12/14/2007 09:22

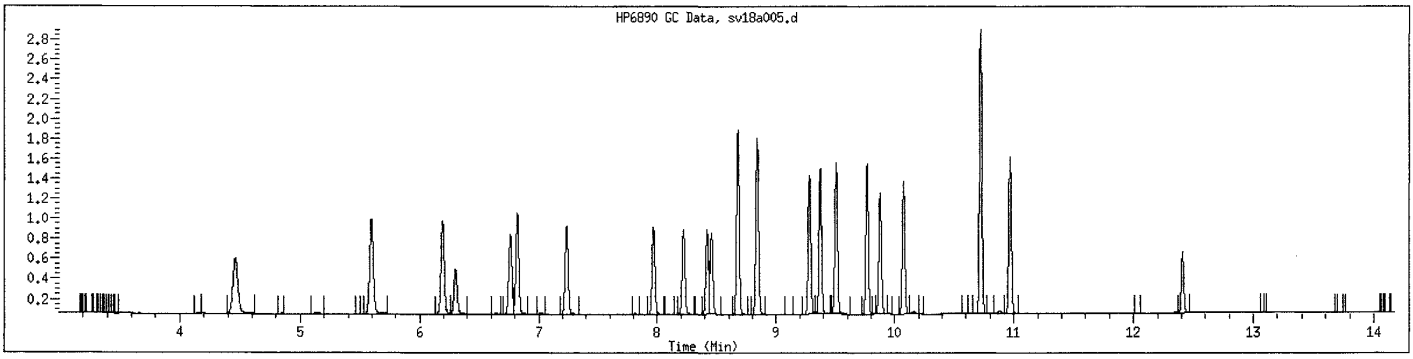
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1202	SampleType	: CALIB_2
Injection Date	: 12/13/2007 12:45	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1202*1 20		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



169353

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a006.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a006.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 13:03
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 60
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 13:03 Cal File: sv18a006.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

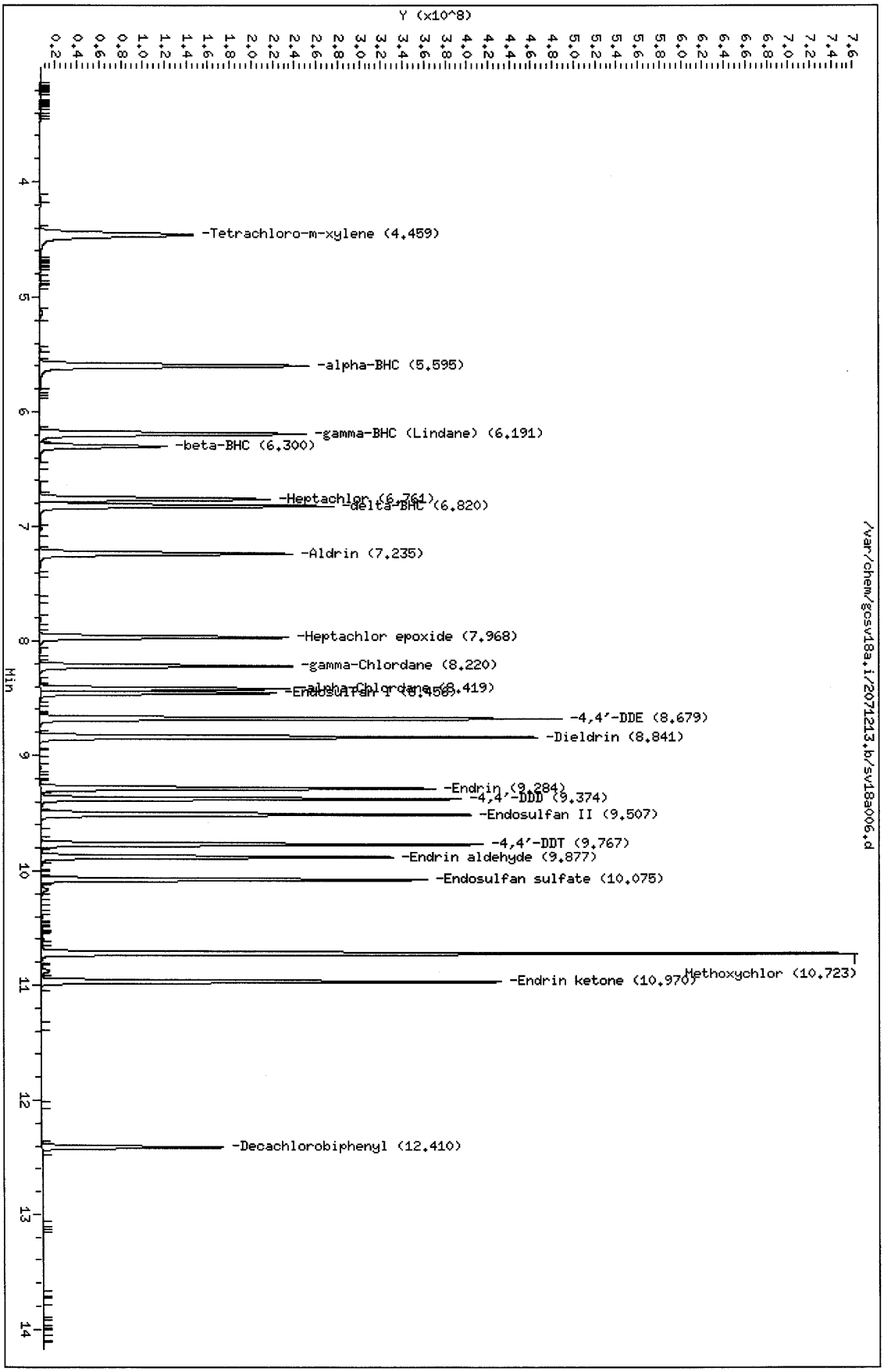
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.459	4.467	-0.008	417106786	60.0000	58
2	alpha-BHC	5.595	5.603	-0.008	542287832	60.0000	53
3	gamma-BHC (Lindane)	6.191	6.196	-0.005	478540537	60.0000	58
6	beta-BHC	6.300	6.306	-0.006	225047743	60.0000	58
4	Heptachlor	6.761	6.766	-0.005	392895904	60.0000	58
7	delta-BHC	6.820	6.825	-0.005	476888214	60.0000	59
5	Aldrin	7.235	7.239	-0.004	432105608	60.0000	59
8	Heptachlor epoxide	7.968	7.972	-0.004	389634866	60.0000	58
10	gamma-Chlordane	8.220	8.225	-0.005	386375457	60.0000	58
11	alpha-Chlordane	8.419	8.423	-0.004	358689190	60.0000	59
9	Endosulfan I	8.456	8.461	-0.005	365327901	60.0000	60
12	4,4'-DDE	8.679	8.682	-0.003	740423075	120.000	110
13	Dieldrin	8.841	8.845	-0.004	743851657	120.000	120

169354

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a006.d
Report Date: 14-Dec-2007 09:13

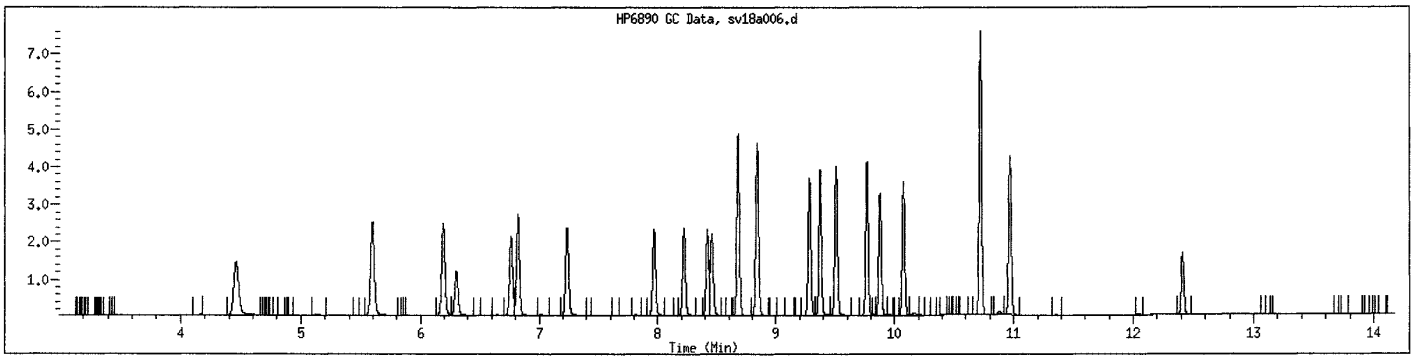
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.284	9.288	-0.004	569244738	120.000	110
	15 4,4'-DDD	9.374	9.378	-0.004	571891400	120.000	120
	16 Endosulfan II	9.507	9.511	-0.004	632720877	120.000	120
	17 4,4'-DDT	9.767	9.772	-0.005	587956445	120.000	120
	18 Endrin aldehyde	9.877	9.881	-0.004	498902053	120.000	120
	20 Endosulfan sulfate	10.075	10.080	-0.005	536689722	120.000	120
	19 Methoxychlor	10.723	10.726	-0.003	1074302316	600.000	570
	21 Endrin ketone	10.970	10.973	-0.003	643753482	120.000	120
$	22 Decachlorobiphenyl	12.410	12.413	-0.003	241235715	60.0000	58

169355


Data File: /var/chem/gcsv18a.i/20071213.b/sv18a006.d
Date : 13-DEC-2007 13:03
Client ID:
Sample Info: 12034 60
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
Min
/var/chem/gcsv18a.i/20071213.b/sv18a006.d
-Tetrachloro-m-xylene (4.459)
-alpha-BHC (5.595)
-gamma-BHC (Lindane) (6.191)
-beta-BHC (6.300)
-Heptachlor (6.761)
-delta-BHC (6.820)
-Aldrin (7.235)
-Heptachlor epoxide (7.968)
-gamma-Chlordane (8.220)
-alpha-Chlordane (8.419)
-Endosulfan I (8.456)
-4,4'-DDE (8.679)
-Dieldrin (8.841)
-Endrin (9.284)
-4,4'-DDD (9.374)
-Endosulfan II (9.507)
-4,4'-DDT (9.767)
-Endrin aldehyde (9.877)
-Endosulfan sulfate (10.075)
-Methoxychlor (10.723)
-Endrin ketone (10.970)
-Decachlorobiphenyl (12.410)

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 13:03	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1203*1 60		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

169357

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a007.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a007.d
Lab Smp Id: 1204
Inj Date : 13-DEC-2007 13:21
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1204*1 80
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 13:21 Cal File: sv18a007.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1 Tetrachloro-m-xylene	4.461	4.466	-0.005	551173364	80.0000	78
2 alpha-BHC	5.597	5.602	-0.005	718669917	80.0000	72
3 gamma-BHC (Lindane)	6.192	6.195	-0.003	634610815	80.0000	78
6 beta-BHC	6.302	6.305	-0.003	297226805	80.0000	77
4 Heptachlor	6.761	6.765	-0.004	520637929	80.0000	78
7 delta-BHC	6.821	6.824	-0.003	631824931	80.0000	79
5 Aldrin	7.236	7.239	-0.003	568850795	80.0000	78
8 Heptachlor epoxide	7.969	7.972	-0.003	511591503	80.0000	77
10 gamma-Chlordane	8.221	8.224	-0.003	508498147	80.0000	78
11 alpha-Chlordane	8.419	8.422	-0.003	472367997	80.0000	78
9 Endosulfan I	8.456	8.460	-0.004	479370963	80.0000	79
12 4,4'-DDE	8.679	8.682	-0.003	972566108	160.000	150
13 Dieldrin	8.841	8.844	-0.003	974412504	160.000	150

169358

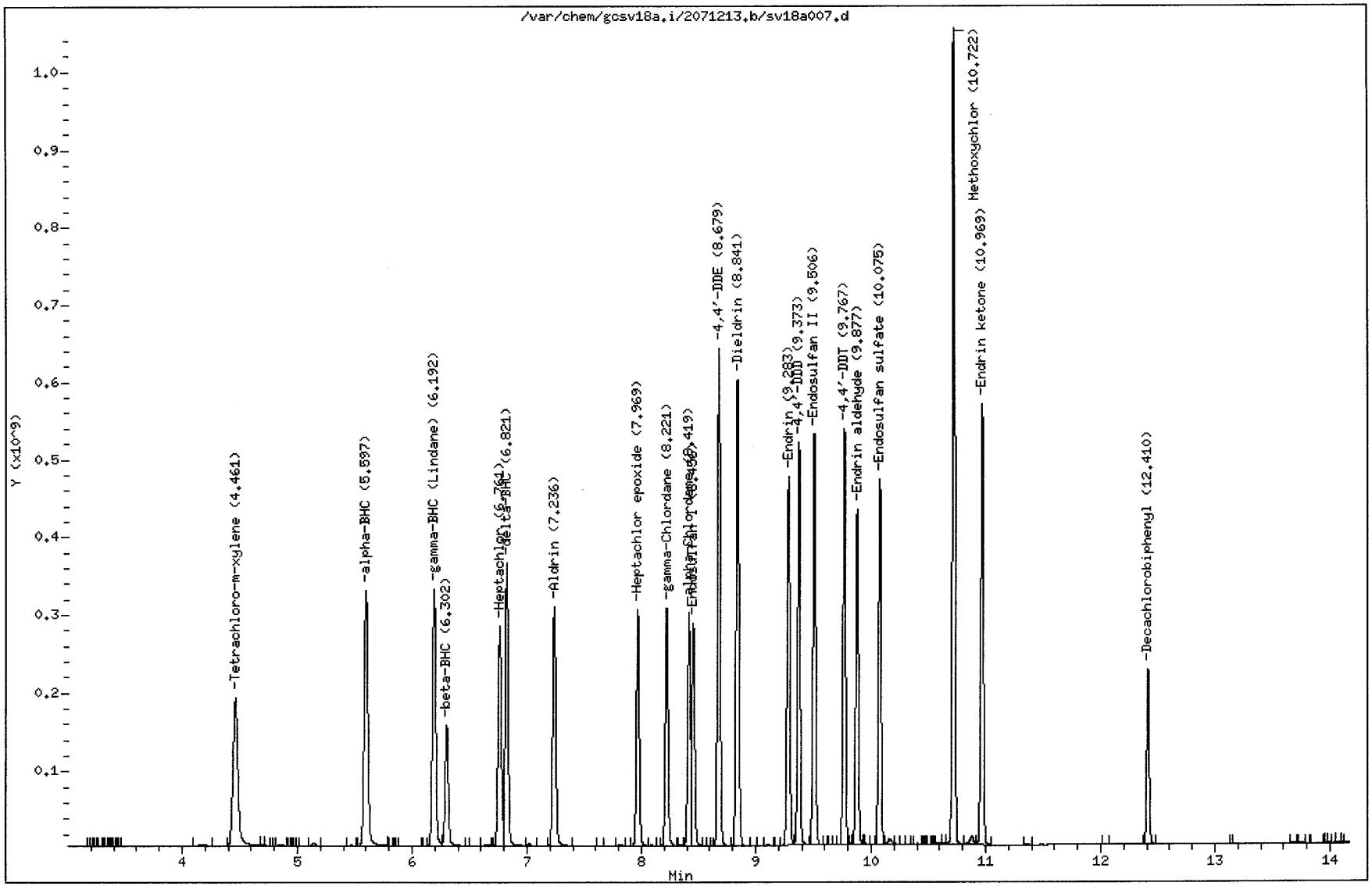
Data File: /var/chem/gcsv18a.i/2071213.b/sv18a007.d
Report Date: 14-Dec-2007 09:13

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.283	9.287	-0.004	747966594	160.000	150
	15 4,4'-DDD	9.373	9.377	-0.004	761530597	160.000	160
	16 Endosulfan II	9.506	9.511	-0.005	827168399	160.000	150
	17 4,4'-DDT	9.767	9.771	-0.004	782141256	160.000	160
	18 Endrin aldehyde	9.877	9.881	-0.004	657859192	160.000	160
	20 Endosulfan sulfate	10.075	10.079	-0.004	709167142	160.000	160
	19 Methoxychlor	10.722	10.725	-0.003	1455559753	800.000	770
	21 Endrin ketone	10.969	10.972	-0.003	850742130	160.000	160
$	22 Decachlorobiphenyl	12.410	12.413	-0.003	323712930	80.0000	79

169359

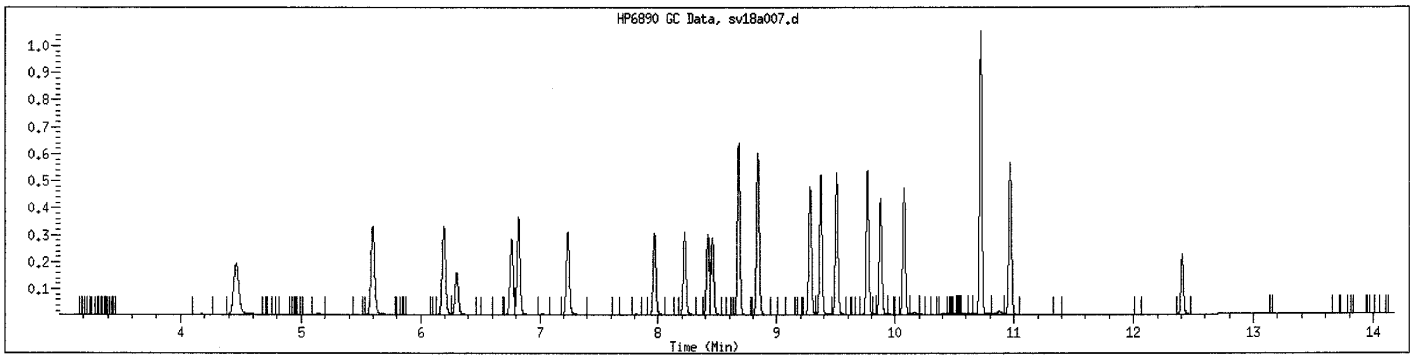
Data File: /var/chem/gcsv18a.i/2071213.b/sv18a007.d
Date : 13-DEC-2007 13:21
Client ID:
Sample Info: 1204*1 80
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1204	SampleType	: CALIB_4
Injection Date	: 12/13/2007 13:21	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1204*1 80		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

169361

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a008.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a008.d
Lab Smp Id: 1205
Inj Date : 13-DEC-2007 13:38
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1205*1 80-9-8
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 13:38 Cal File: sv18a008.d
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1 Tetrachloro-m-xylene	4.460	4.465	-0.005	653986779	100.000	94
2 alpha-BHC	5.596	5.601	-0.005	880952687	100.000	90
3 gamma-BHC (Lindane)	6.190	6.194	-0.004	779978130	100.000	97
6 beta-BHC	6.300	6.304	-0.004	362005181	100.000	95
4 Heptachlor	6.761	6.764	-0.003	643042310	100.000	97
7 delta-BHC	6.819	6.823	-0.004	779766216	100.000	98
5 Aldrin	7.235	7.238	-0.003	691666603	100.000	96
8 Heptachlor epoxide	7.967	7.971	-0.004	621631234	100.000	95
10 gamma-Chlordane	8.220	8.223	-0.003	618811522	100.000	95
11 alpha-Chlordane	8.418	8.421	-0.003	585889920	100.000	97
9 Endosulfan I	8.455	8.460	-0.005	572569742	100.000	95
12 4,4'-DDE	8.678	8.681	-0.003	1190651896	200.000	190
13 Dieldrin	8.840	8.844	-0.004	1187979582	200.000	190

169362

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a008.d
Report Date: 14-Dec-2007 09:13

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.283	9.286	-0.003	922019631	200.000	190
15 4,4'-DDD	9.373	9.376	-0.003	940732786	200.000	200
16 Endosulfan II	9.506	9.510	-0.004	1009164592	200.000	190
17 4,4'-DDT	9.767	9.771	-0.004	983760524	200.000	200
18 Endrin aldehyde	9.877	9.880	-0.003	803994044	200.000	190
20 Endosulfan sulfate	10.075	10.078	-0.003	874159973	200.000	190
19 Methoxychlor	10.723	10.724	-0.001	1847163088	1000.00	990 (M1)
21 Endrin ketone	10.969	10.972	-0.003	1048378692	200.000	190
$ 22 Decachlorobiphenyl	12.410	12.412	-0.002	399720531	100.000	98

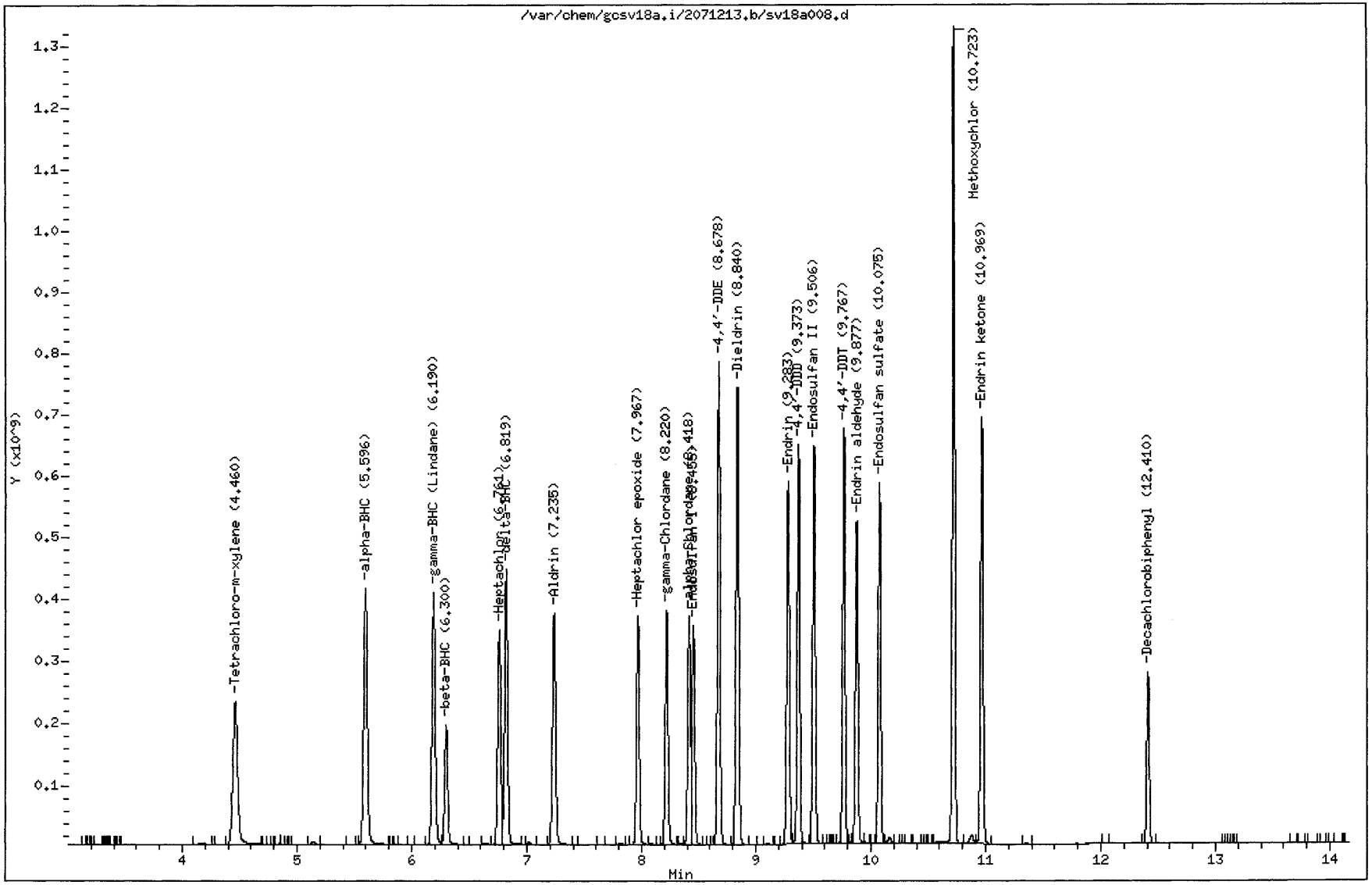
QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.

169363

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a008.d
Date : 13-DEC-2007 13:38
Client ID:
Sample Info: 1205x1 80-9-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



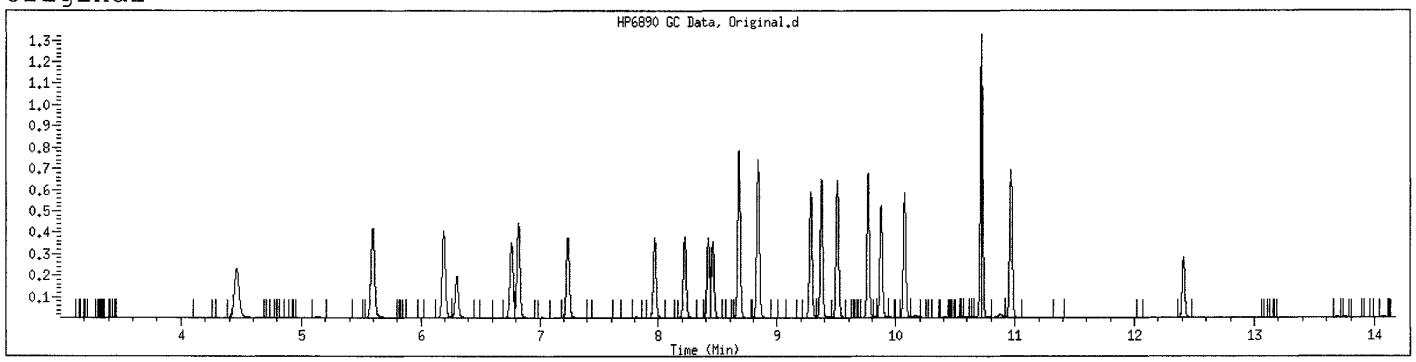
169364

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a008.d Page: 1
Report Date: 12/14/2007 09:13

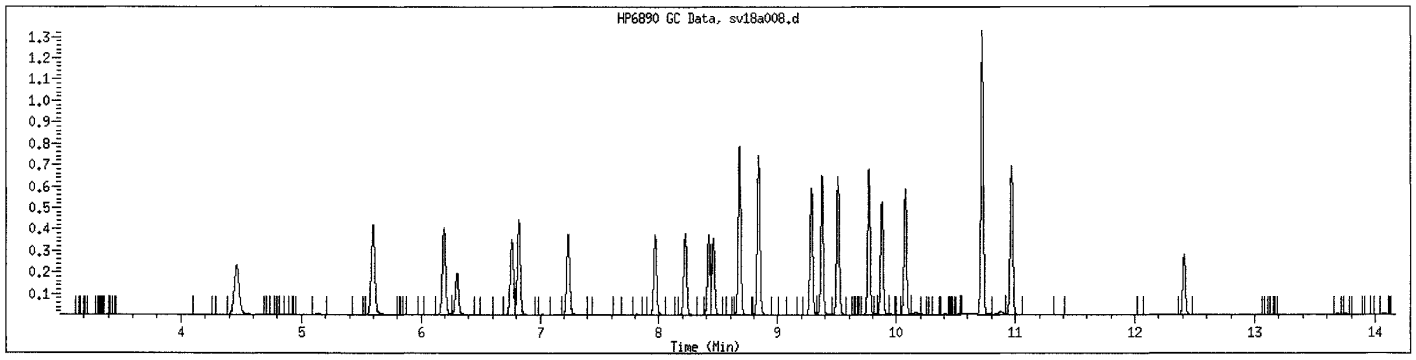
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 12/13/2007 13:38	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1205*1 80-9-8		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist:	8081

Original



Final



169365

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a010.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a010.d
Lab Smp Id: 1205
Inj Date : 13-DEC-2007 14:14
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1205*1 80-6-9
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 14:14 Cal File: sv18a010.d
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlor.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

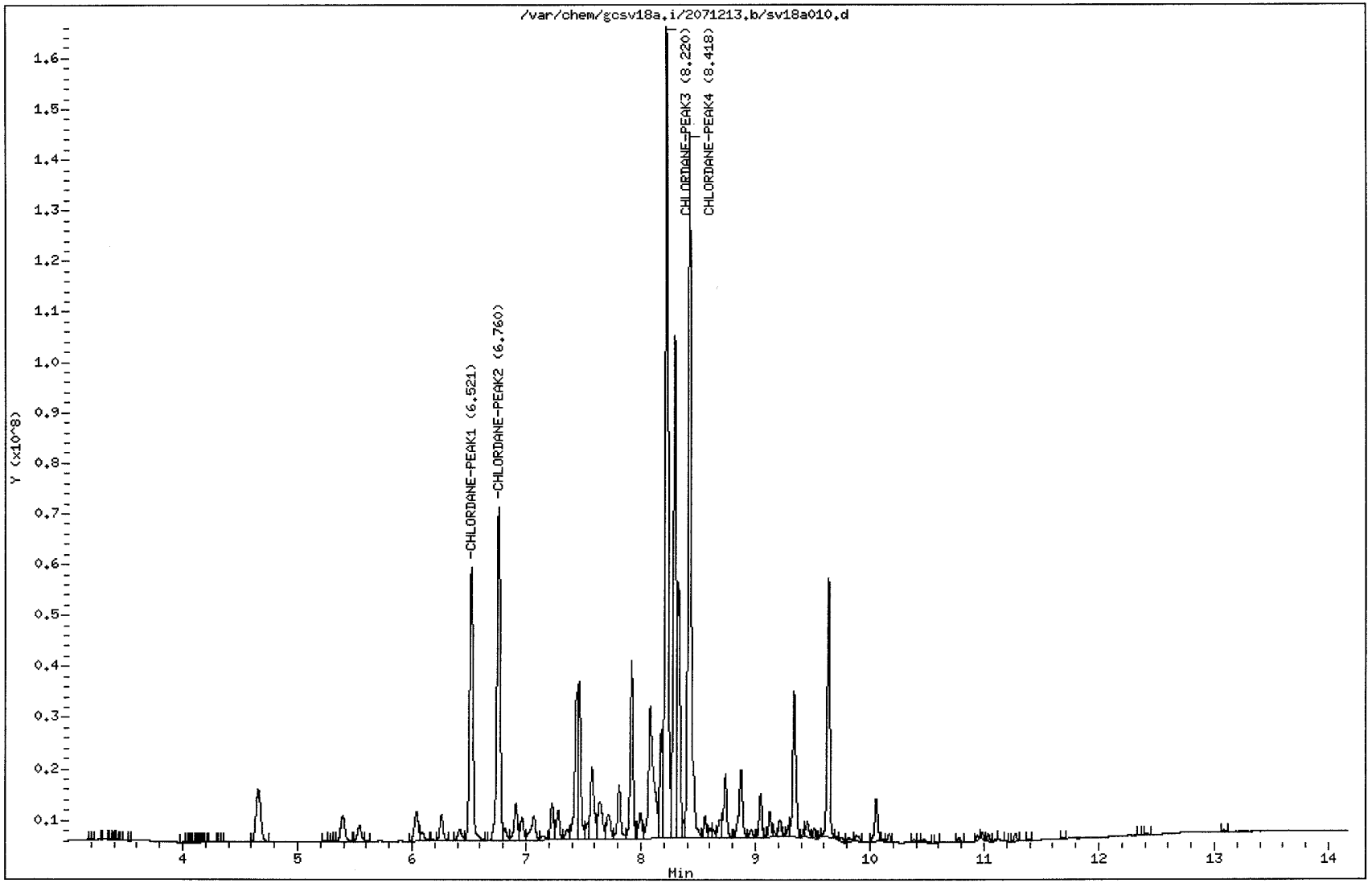
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 68 CHLORDANE-AVG				768284052	400.000	400
69 CHLORDANE-PEAK1	6.521	6.521	0.000	110700053	400.000	400
70 CHLORDANE-PEAK2	6.760	6.760	0.000	127558578	400.000	400
71 CHLORDANE-PEAK3	8.220	8.220	0.000	278005994	400.000	400
72 CHLORDANE-PEAK4	8.418	8.419	-0.001	252019427	400.000	400

169366

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a010.d
Date : 13-DEC-2007 14:14
Client ID:
Sample Info: 1205x1 80-6-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

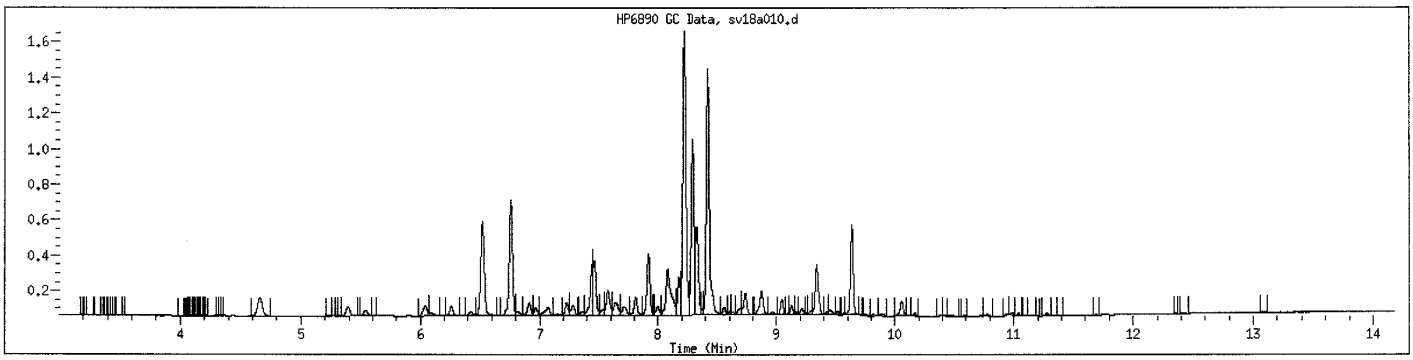
Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 12/13/2007 14:14	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1205*1 80-6-9		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: chlor



NO MANUAL INTEGRATIONS

169368

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a011.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a011.d
Lab Smp Id: 1201
Inj Date : 13-DEC-2007 14:32
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1201*1 80-2-8
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 14:32 Cal File: sv18a011.d
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tox.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)	
M 62 TOXAPHENE-AVG				145755647	250.000		(a)
63 TOXAPHENE-PEAK1	9.592	9.591	0.001	42152688	250.000		(a)
64 TOXAPHENE-PEAK2	10.153	10.152	0.001	44643856	250.000		(a)
65 TOXAPHENE-PEAK3	11.066	11.068	-0.002	32622200	250.000		(a)
66 TOXAPHENE-PEAK4	11.308	11.309	-0.001	26336903	250.000		(a)

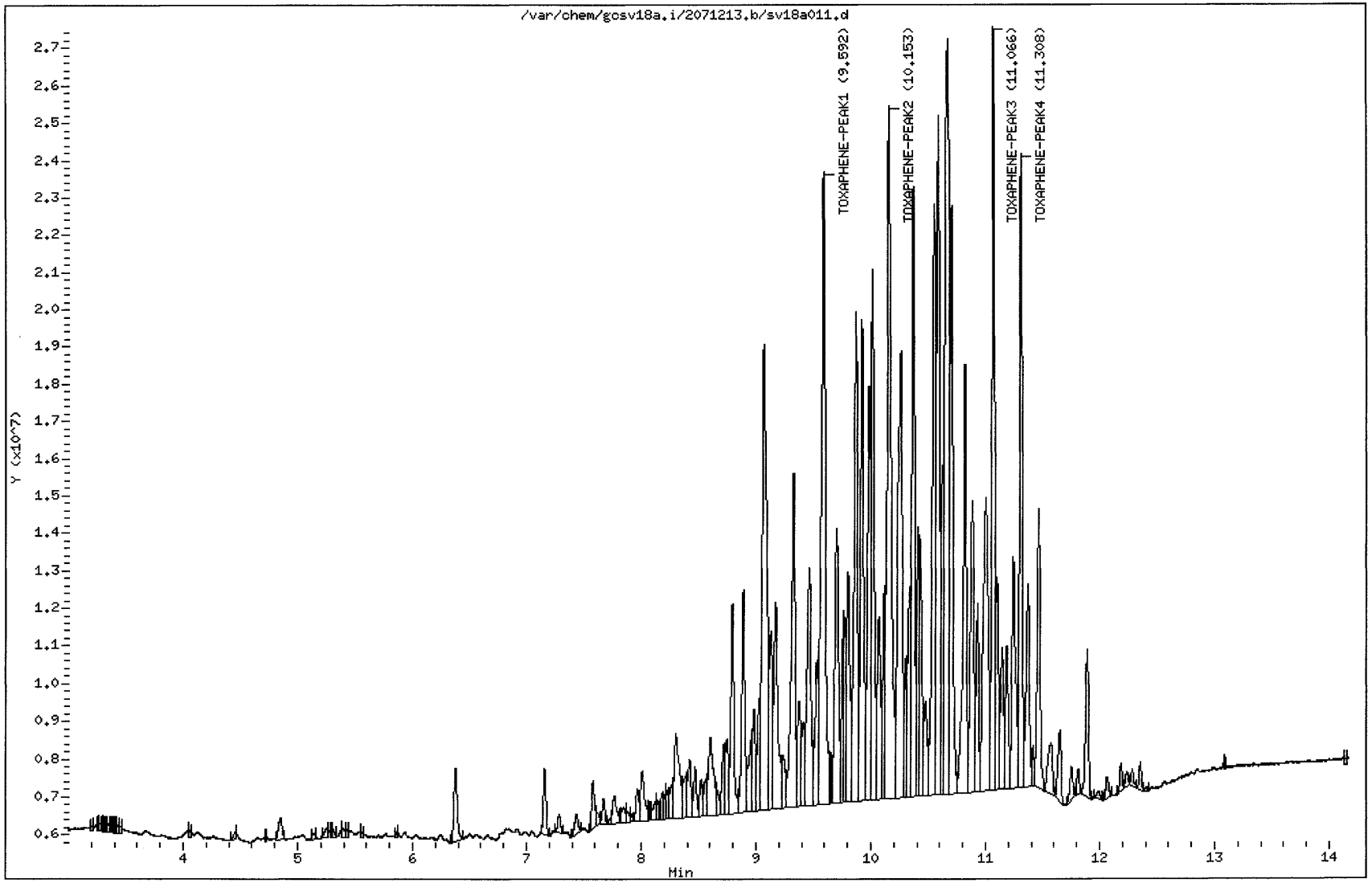
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a011.d
Date : 13-DEC-2007 14:32
Client ID:
Sample Info: 1201*1 80-2-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

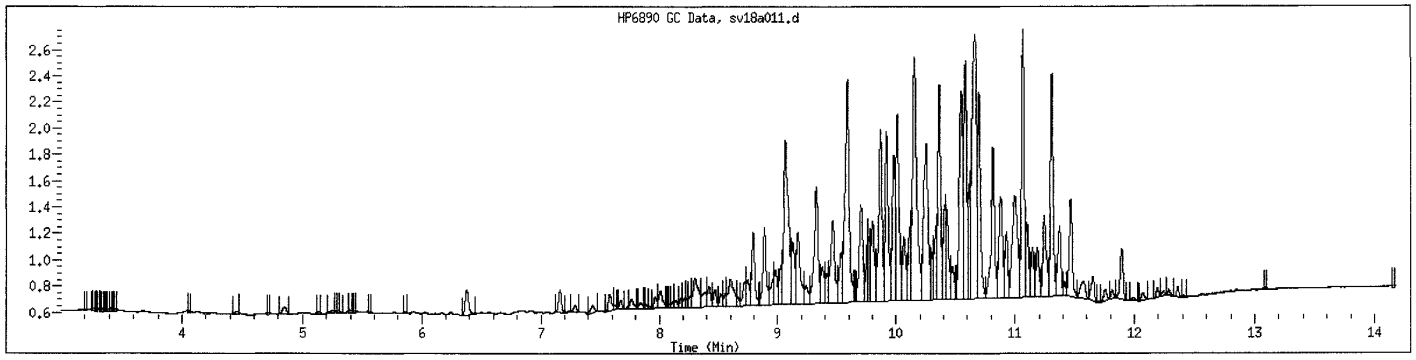
Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1201	SampleType	: CALIB_1
Injection Date	: 12/13/2007 14:32	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1201*1 80-2-8		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: tox



NO MANUAL INTEGRATIONS

169371

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a012.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a012.d
Lab Smp Id: 1205
Inj Date : 13-DEC-2007 14:49
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1205*1 80-2-8
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 14:49 Cal File: sv18a012.d
Als bottle: 12 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tox.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

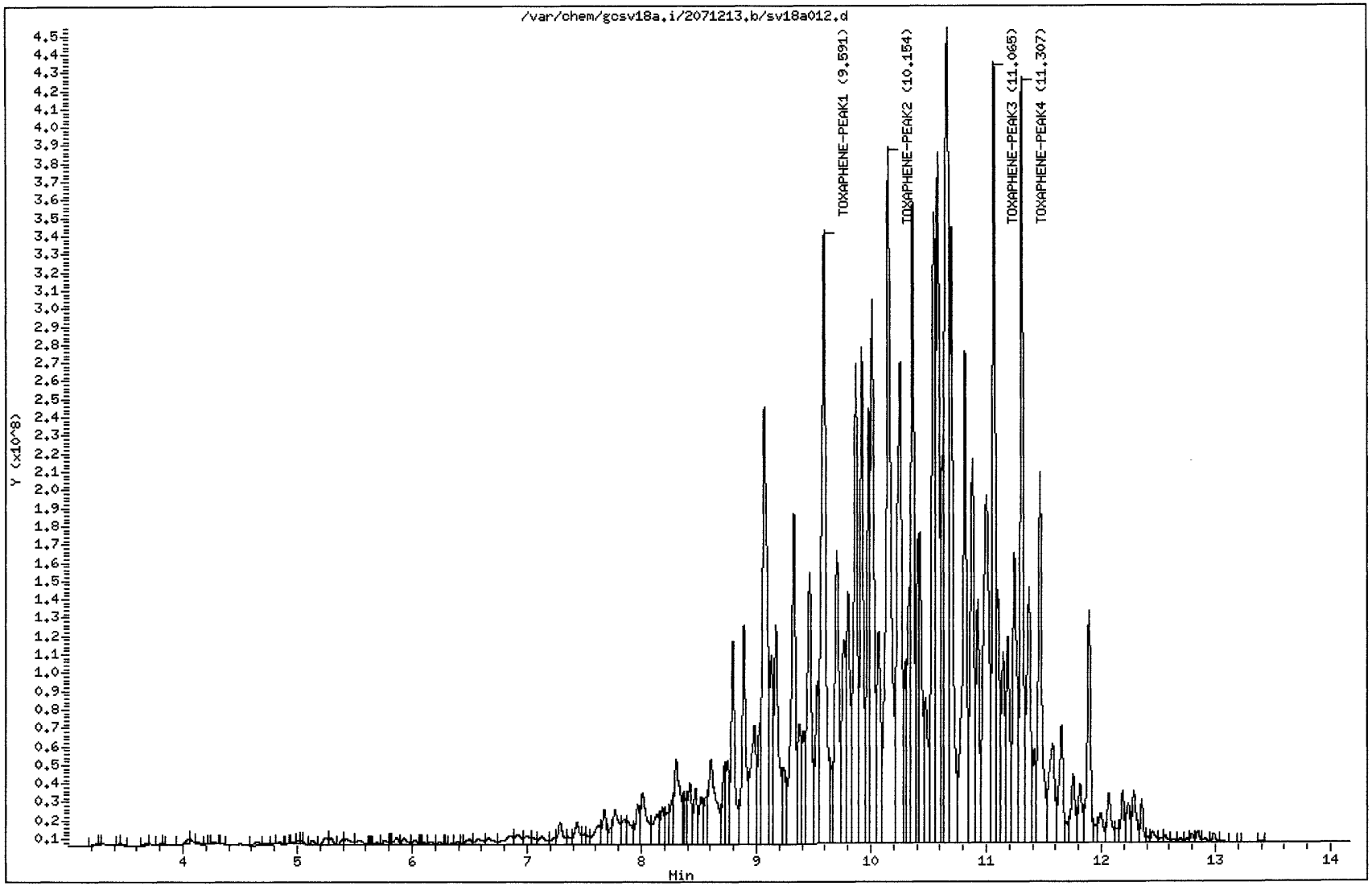
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 62 TOXAPHENE-AVG				3486534514	5000.00	5000
63 TOXAPHENE-PEAK1	9.591	9.591	0.000	924685253	5000.00	5000
64 TOXAPHENE-PEAK2	10.154	10.152	0.002	1112679797	5000.00	5000
65 TOXAPHENE-PEAK3	11.065	11.068	-0.003	738567349	5000.00	5000
66 TOXAPHENE-PEAK4	11.307	11.309	-0.002	710602115	5000.00	5000

169372

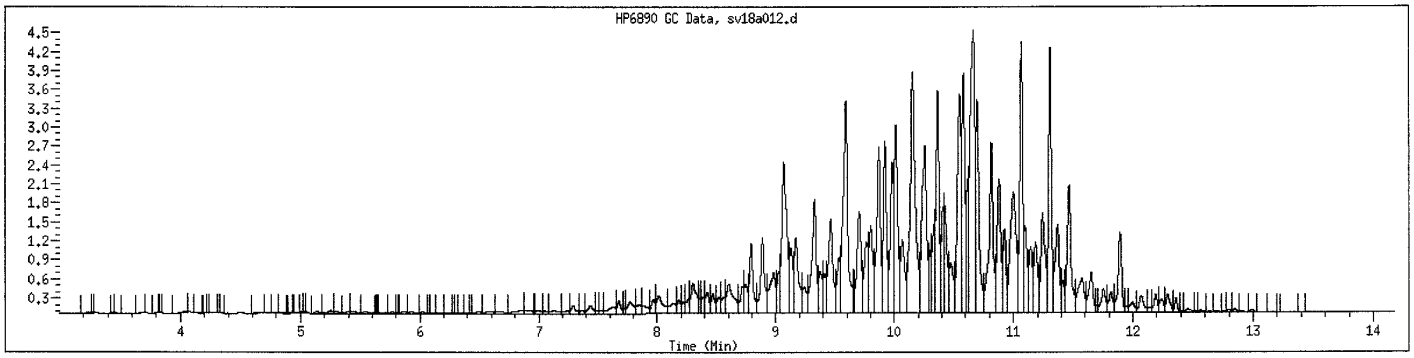
Data File: /var/chem/gcsv18a.i/2071213.b/sv18a012.d
Date : 13-DEC-2007 14:49
Client ID:
Sample Info: 1205x1 80-2-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 12/13/2007 14:49	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1205*1 80-2-8		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: tox



NO MANUAL INTEGRATIONS

169374

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a009.d
Report Date: 14-Dec-2007 09:24

GCAL, Inc.

RECOVERY REPORT

Client Name: Client SDG: 2071213
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: 1600
Level: LOW Operator: tls
Data Type: GC MULTI COMP SampleType: LCS
SpikeList File: 8081icv.spk Quant Type: ESTD
Sublist File: 8081.sub
Method File: /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
2 alpha-BHC	60	58	96.82	85-115
3 gamma-BHC (Lindane)	60	62	103.43	85-115
6 beta-BHC	60	62	103.47	85-115
4 Heptachlor	60	61	102.01	85-115
7 delta-BHC	60	62	102.75	85-115
5 Aldrin	60	62	103.51	85-115
8 Heptachlor epoxide	60	63	104.22	85-115
10 gamma-Chlordane	60	61	100.97	85-115
11 alpha-Chlordane	60	60	99.26	85-115
9 Endosulfan I	60	61	102.46	85-115
12 4,4'-DDE	60	64	106.22	85-115
13 Dieldrin	60	64	107.12	85-115
14 Endrin	60	64	107.44	85-115
15 4,4'-DDD	60	65	108.44	85-115
16 Endosulfan II	60	60	99.90	85-115
17 4,4'-DDT	60	63	104.81	85-115
18 Endrin aldehyde	60	62	103.16	85-115
20 Endosulfan sulfate	60	63	105.34	85-115
19 Methoxychlor	60	70	116.27*	85-115
21 Endrin ketone	60	66	109.63	85-115

SURROGATE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
$ 1 Tetrachloro-m-xylene	500	0.0	*	45-148
$ 22 Decachlorobiphenyl	500	0.0	*	34-135

169375

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a009.d
Report Date: 14-Dec-2007 09:24

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a009.d
Lab Smp Id: 1600
Inj Date : 13-DEC-2007 13:56
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1600*1 80-4-9
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:23 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 17:47 Cal File: sv18a022.d
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (mL)
Vo	1.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
2 alpha-BHC	5.595	5.601	-0.006	566473874	58.0949	58
3 gamma-BHC (Lindane)	6.189	6.194	-0.005	500186627	62.0572	62
6 beta-BHC	6.300	6.304	-0.004	235679151	62.0802	62
4 Heptachlor	6.760	6.764	-0.004	407341562	61.2082	61
7 delta-BHC	6.818	6.823	-0.005	492657327	61.6496	62
5 Aldrin	7.233	7.238	-0.005	449041504	62.1088	62(M2)
8 Heptachlor epoxide	7.967	7.971	-0.004	410244044	62.5302	63
10 gamma-Chlordane	8.219	8.223	-0.004	392766056	60.5816	61
11 alpha-Chlordane	8.418	8.421	-0.003	358100440	59.5569	60
9 Endosulfan I	8.455	8.460	-0.005	370212744	61.4755	61
12 4,4'-DDE	8.677	8.681	-0.004	399552244	63.7293	64
13 Dieldrin	8.839	8.844	-0.005	402374184	64.2738	64
14 Endrin	9.282	9.286	-0.004	311694337	64.4616	64

169376

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a009.d
Report Date: 14-Dec-2007 09:24

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
15 4,4'-DDD	9.373	9.376	-0.003	313554909	65.0669	65
16 Endosulfan II	9.506	9.510	-0.004	318636006	59.9374	60
17 4,4'-DDT	9.766	9.771	-0.005	311045896	62.8841	63
18 Endrin aldehyde	9.876	9.880	-0.004	259782235	61.8972	62
20 Endosulfan sulfate	10.074	10.078	-0.004	286117032	63.2049	63
19 Methoxychlor	10.721	10.725	-0.004	130691455	69.7646	70
21 Endrin ketone	10.968	10.972	-0.004	357306110	65.7761	66

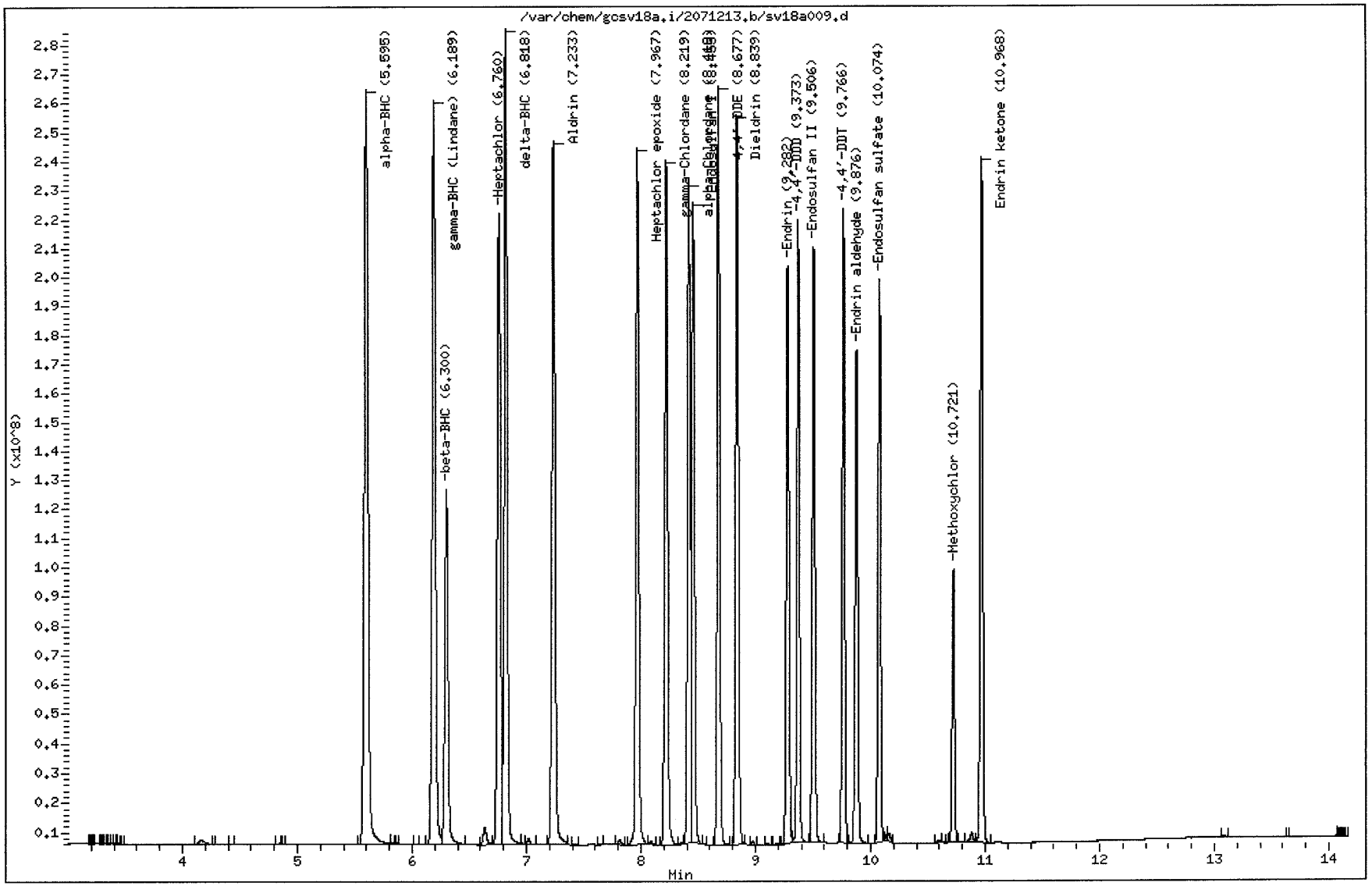
QC Flag Legend

M2- Compound response manually integrated because Target system integrated incorrectly.

169377

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a009.d
Date : 13-DEC-2007 13:56
Client ID:
Sample Info: 1600x1 80-4-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



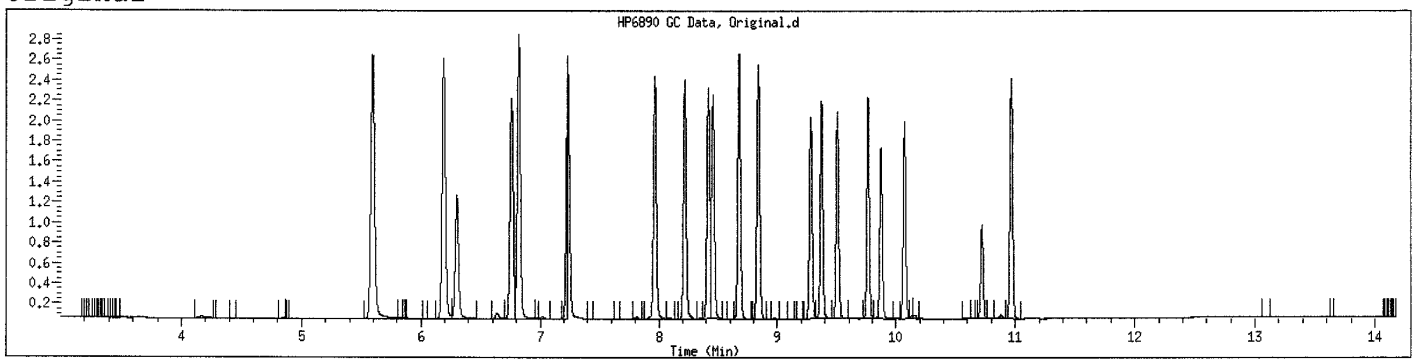
169378

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a009.d Page: 1
Report Date: 12/14/2007 09:24

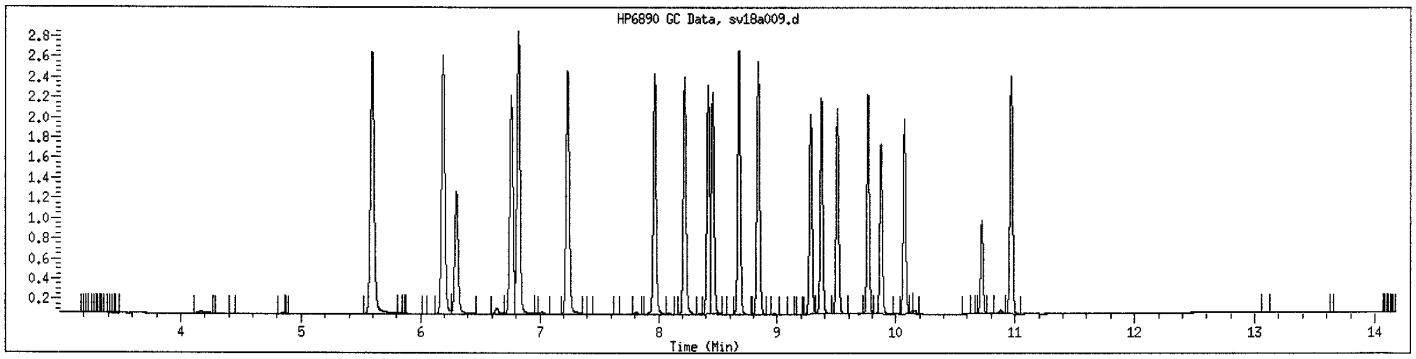
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 12/13/2007 13:56	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1600*1 80-4-9		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



Gulf Coast Analytical Laboratories, Inc.

Breakdown Calculation

DDT Breakdown Formula:

$$\frac{(\text{Area DDD}) + (\text{Area DDE})}{(\text{Area DDD}) + (\text{Area DDE}) + (\text{Area DDT})} \times 100$$

DDT Breakdown Calculation:

$$\frac{12074947 + 4686156}{12074947 + 4686156 + 334638711} \times 100 = 4.8\ \%$$

DDT Breakdown Criteria: < 15%

==========

Endrin Breakdown Formula:

$$\frac{(\text{Area Endrin ketone}) + (\text{Area Endrin aldehyde})}{(\text{Area End ket}) + (\text{Area End ald}) + (\text{Area Endrin})} \times 100$$

Endrin Breakdown Calculation:

$$\frac{15856830 + 5701791}{15856830 + 5701791 + 355803476} \times 100 = 5.7\ \%$$

Endrin Breakdown Criteria: < 15%

169380

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a002.d
Report Date: 02-Jan-2008 11:37

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071231.b/sv18a002.d
Lab Smp Id: deg
Inj Date : 31-DEC-2007 09:11
Operator : tls Inst ID: gcsv18a.i
Smp Info : deg*1 80-8-9
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Meth Date : 02-Jan-2008 10:52 smh Quant Type: ESTD
Cal Date : 13-DEC-2007 18:05 Cal File: sv18a023.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

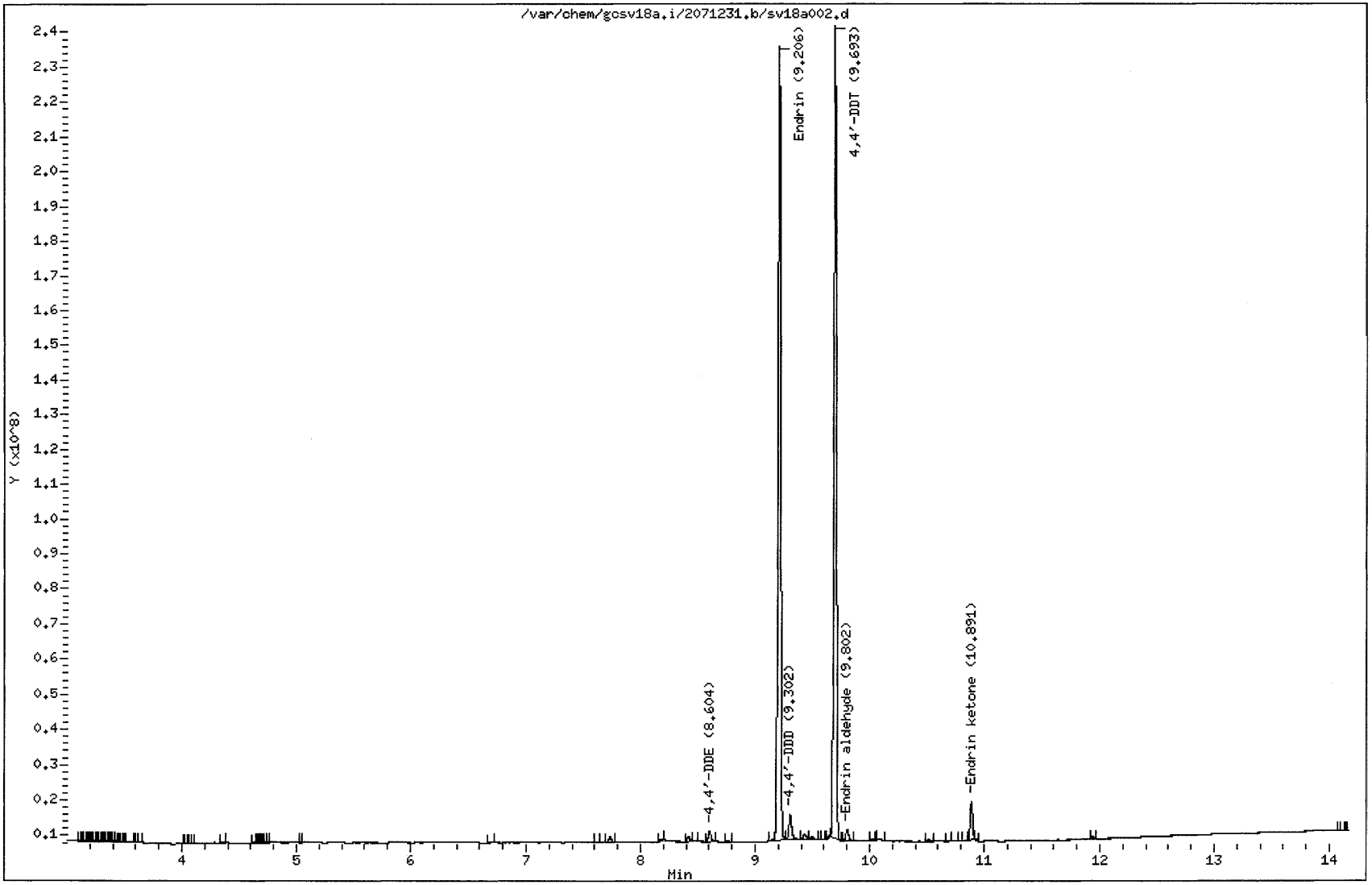
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.604	8.607	-0.003	4686156	0.74745	0.0075
15 4,4'-DDD	9.302	9.302	0.000	12074947	2.50572	0.025
17 4,4'-DDT	9.693	9.696	-0.003	334638711	67.6538	0.68
18 Endrin aldehyde	9.802	9.803	-0.001	5701791	1.35854	0.014
21 Endrin ketone	10.891	10.893	-0.002	15856830	2.91907	0.029
14 Endrin	9.206	9.208	-0.002	355803476	73.5838	0.74

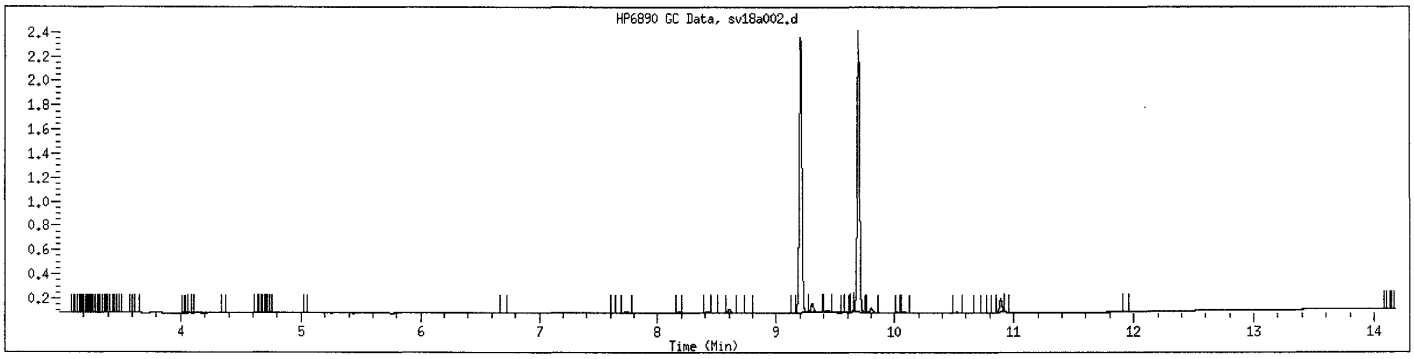
Data File: /var/chem/gcsv18a.i/2071231.b/sv18a002.d
Date : 31-DEC-2007 09:11
Client ID:
Sample Info: deg*1 80-8-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: deg	SampleType	: SAMPLE
Injection Date	: 12/31/2007 09:11	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: deg*1 80-8-9		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071231.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: deg



NO MANUAL INTEGRATIONS

169383

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a003.d
Report Date: 07-Jan-2008 10:47

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 31-DEC-2007 09:29
Lab File ID: sv18a003.d Init. Cal. Date(s): 13-DEC-2007 13-DEC-2007
Analysis Type: WATER Init. Cal. Times: 12:10 18:40
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2071231.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	6986166	6303494	0.010	9.77176	15.00000	Averaged	
2 alpha-BHC	9750831	8153086	0.010	16.38573	15.00000	Averaged	<-
3 gamma-BHC (Lindane)	8060096	7138505	0.010	11.43400	15.00000	Averaged	
6 beta-BHC	3796367	3412306	0.010	10.11656	15.00000	Averaged	
4 Heptachlor	6655012	5963139	0.010	10.39628	15.00000	Averaged	
7 delta-BHC	7991244	6834807	0.010	14.47131	15.00000	Averaged	
5 Aldrin	7229922	6561730	0.010	9.24203	15.00000	Averaged	
8 Heptachlor epoxide	6560730	5899630	0.010	10.07662	15.00000	Averaged	
10 gamma-Chlordane	6483262	5892526	0.010	9.11170	15.00000	Averaged	
11 alpha-Chlordane	6012746	5288415	0.010	12.04659	15.00000	Averaged	
9 Endosulfan I	6022115	5488573	0.010	8.85970	15.00000	Averaged	
12 4,4'-DDE	6269518	5596089	0.010	10.74132	15.00000	Averaged	
13 Dieldrin	6260312	5730698	0.010	8.45986	15.00000	Averaged	
14 Endrin	4835352	4520679	0.010	6.50775	15.00000	Averaged	
15 4,4'-DDD	4818961	4550914	0.010	5.56235	15.00000	Averaged	
16 Endosulfan II	5316147	4842292	0.010	8.91350	15.00000	Averaged	
17 4,4'-DDT	4946338	4276304	0.010	13.54606	15.00000	Averaged	
18 Endrin aldehyde	4196994	3883335	0.010	7.47342	15.00000	Averaged	
20 Endosulfan sulfate	4526820	3887524	0.010	14.12239	15.00000	Averaged	
19 Methoxychlor	1873321	1702871	0.010	9.09880	15.00000	Averaged	
21 Endrin ketone	5432154	4930585	0.010	9.23334	15.00000	Averaged	
$ 22 Decachlorobiphenyl	4085543	3618935	0.010	11.42096	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 10.31782
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

169384

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a003.d
Report Date: 07-Jan-2008 10:47

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071231.b/sv18a003.d
Lab Smp Id: 1400
Inj Date : 31-DEC-2007 09:29
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 80-9-8
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Meth Date : 07-Jan-2008 10:47 tls Quant Type: ESTD
Cal Date : 13-DEC-2007 18:05 Cal File: sv18a023.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.374	4.378	-0.004	378209641	60.0000	54
2	alpha-BHC	5.517	5.519	-0.002	489185146	60.0000	50
3	gamma-BHC (Lindane)	6.113	6.114	-0.001	428310288	60.0000	53
6	beta-BHC	6.225	6.226	-0.001	204738334	60.0000	54
4	Heptachlor	6.684	6.685	-0.001	357788324	60.0000	54
7	delta-BHC	6.745	6.745	0.000	410088393	60.0000	51
5	Aldrin	7.157	7.159	-0.002	393703790	60.0000	54
8	Heptachlor epoxide	7.892	7.894	-0.002	353977812	60.0000	54
10	gamma-Chlordane	8.144	8.146	-0.002	353551556	60.0000	55
11	alpha-Chlordane	8.343	8.344	-0.001	317304900	60.0000	53
9	Endosulfan I	8.379	8.382	-0.003	329314394	60.0000	55
12	4,4'-DDE	8.605	8.607	-0.002	671530652	120.000	110
13	Dieldrin	8.764	8.766	-0.002	687683819	120.000	110

169385

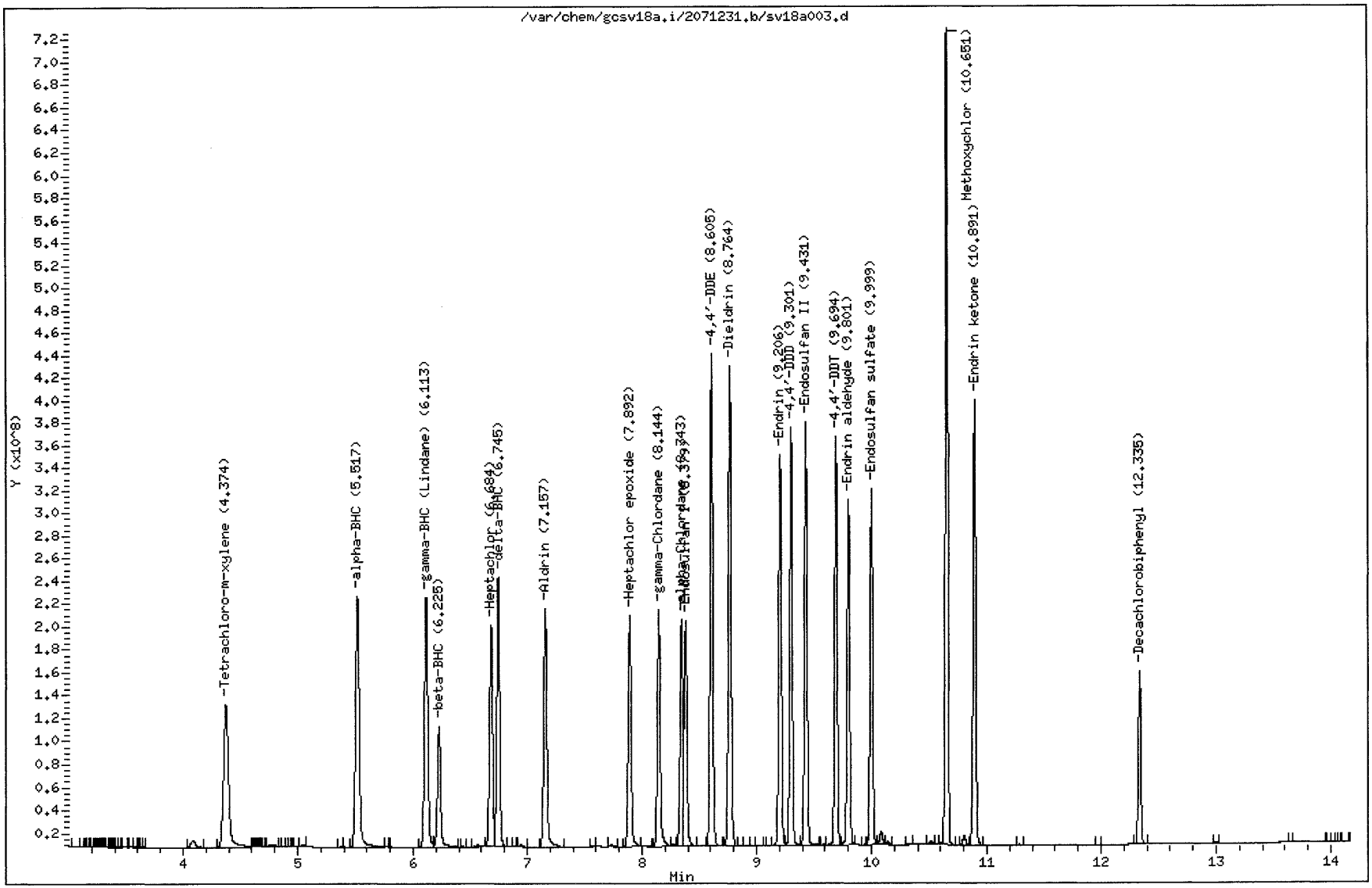
Data File: /var/chem/gcsv18a.i/2071231.b/sv18a003.d
Report Date: 07-Jan-2008 10:47

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.206	9.208	-0.002	542481496	120.000	110
	15 4,4'-DDD	9.301	9.302	-0.001	546109656	120.000	110
	16 Endosulfan II	9.431	9.433	-0.002	581075059	120.000	110
	17 4,4'-DDT	9.694	9.696	-0.002	513156449	120.000	100
	18 Endrin aldehyde	9.801	9.803	-0.002	466000164	120.000	110
	20 Endosulfan sulfate	9.999	10.002	-0.003	466502933	120.000	100
	19 Methoxychlor	10.651	10.653	-0.002	1021722871	600.000	550
	21 Endrin ketone	10.891	10.893	-0.002	591670251	120.000	110
$	22 Decachlorobiphenyl	12.335	12.338	-0.003	217136088	60.0000	53

169386

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a003.d
Date : 31-DEC-2007 09:29
Client ID:
Sample Info: 1400*1 80-9-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

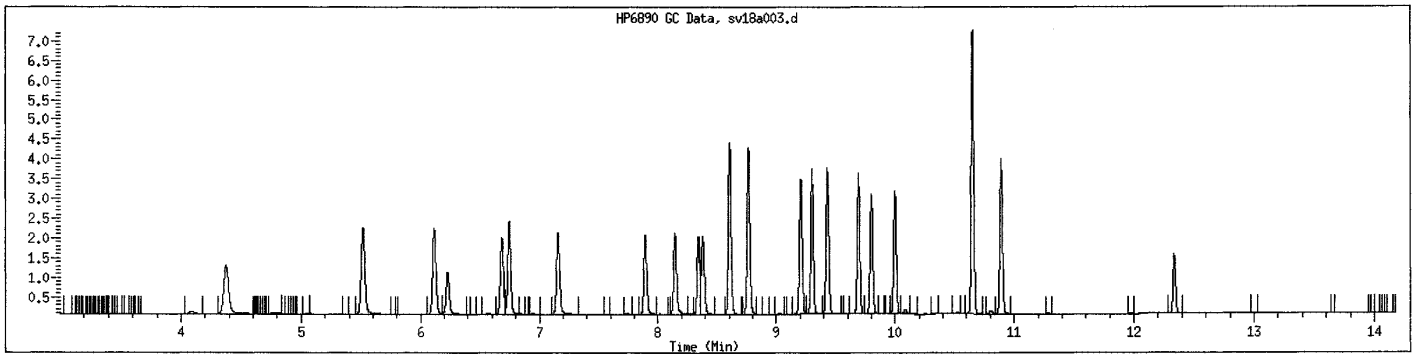
Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



169387

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 12/31/2007 09:29	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1400*1 80-9-8		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071231.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

169388

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a015.d
Report Date: 07-Jan-2008 10:48

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 31-DEC-2007 16:06
Lab File ID: sv18a015.d Init. Cal. Date(s): 13-DEC-2007 13-DEC-2007
Analysis Type: WATER Init. Cal. Times: 12:10 18:40
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2071231.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	6986166	6245570	0.010	10.60088	15.00000	Averaged	
2 alpha-BHC	9750831	8128624	0.010	16.63660	15.00000	Averaged	<-
3 gamma-BHC (Lindane)	8060096	7019347	0.010	12.91237	15.00000	Averaged	
6 beta-BHC	3796367	3278669	0.010	13.63667	15.00000	Averaged	
4 Heptachlor	6655012	5734084	0.010	13.83812	15.00000	Averaged	
7 delta-BHC	7991244	6965624	0.010	12.83430	15.00000	Averaged	
5 Aldrin	7229922	6504298	0.010	10.03639	15.00000	Averaged	
8 Heptachlor epoxide	6560730	5869197	0.010	10.54049	15.00000	Averaged	
10 gamma-Chlordane	6483262	5857292	0.010	9.65516	15.00000	Averaged	
11 alpha-Chlordane	6012746	5279434	0.010	12.19597	15.00000	Averaged	
9 Endosulfan I	6022115	5554118	0.010	7.77131	15.00000	Averaged	
12 4,4'-DDE	6269518	5572030	0.010	11.12507	15.00000	Averaged	
13 Dieldrin	6260312	5759880	0.010	7.99373	15.00000	Averaged	
14 Endrin	4835352	4177866	0.010	13.59747	15.00000	Averaged	
15 4,4'-DDD	4818961	4834146	0.010	-0.31511	15.00000	Averaged	
16 Endosulfan II	5316147	4955536	0.010	6.78331	15.00000	Averaged	
17 4,4'-DDT	4946338	3977337	0.010	19.59026	15.00000	Averaged	<-
18 Endrin aldehyde	4196994	4062174	0.010	3.21230	15.00000	Averaged	
20 Endosulfan sulfate	4526820	4054892	0.010	10.42514	15.00000	Averaged	
19 Methoxychlor	1873321	1600179	0.010	14.58065	15.00000	Averaged	
21 Endrin ketone	5432154	5308733	0.010	2.27205	15.00000	Averaged	
$ 22 Decachlorobiphenyl	4085543	3691626	0.010	9.64172	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 10.46341
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a015.d
Report Date: 07-Jan-2008 10:48

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071231.b/sv18a015.d
Lab Smp Id: 1400
Inj Date : 31-DEC-2007 16:06
Operator : smh Inst ID: gcsv18a.i
Smp Info : 1400*1 80-9-8
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Meth Date : 07-Jan-2008 10:48 tls Quant Type: ESTD
Cal Date : 13-DEC-2007 18:05 Cal File: sv18a023.d
Als bottle: 15 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1 Tetrachloro-m-xylene	4.374	4.378	-0.004	374734229	60.0000	54
2 alpha-BHC	5.516	5.519	-0.003	487717442	60.0000	50
3 gamma-BHC (Lindane)	6.112	6.114	-0.002	421160811	60.0000	52
6 beta-BHC	6.225	6.226	-0.001	196720149	60.0000	52
4 Heptachlor	6.683	6.684	-0.001	344045033	60.0000	52
7 delta-BHC	6.744	6.745	-0.001	417937436	60.0000	52
5 Aldrin	7.157	7.159	-0.002	390257907	60.0000	54(M2)
8 Heptachlor epoxide	7.891	7.894	-0.003	352151818	60.0000	54
10 gamma-Chlordane	8.144	8.146	-0.002	351437550	60.0000	54
11 alpha-Chlordane	8.343	8.344	-0.001	316766018	60.0000	53
9 Endosulfan I	8.379	8.382	-0.003	333247073	60.0000	55
12 4,4'-DDE	8.605	8.607	-0.002	668643555	120.000	110
13 Dieldrin	8.764	8.766	-0.002	691185548	120.000	110

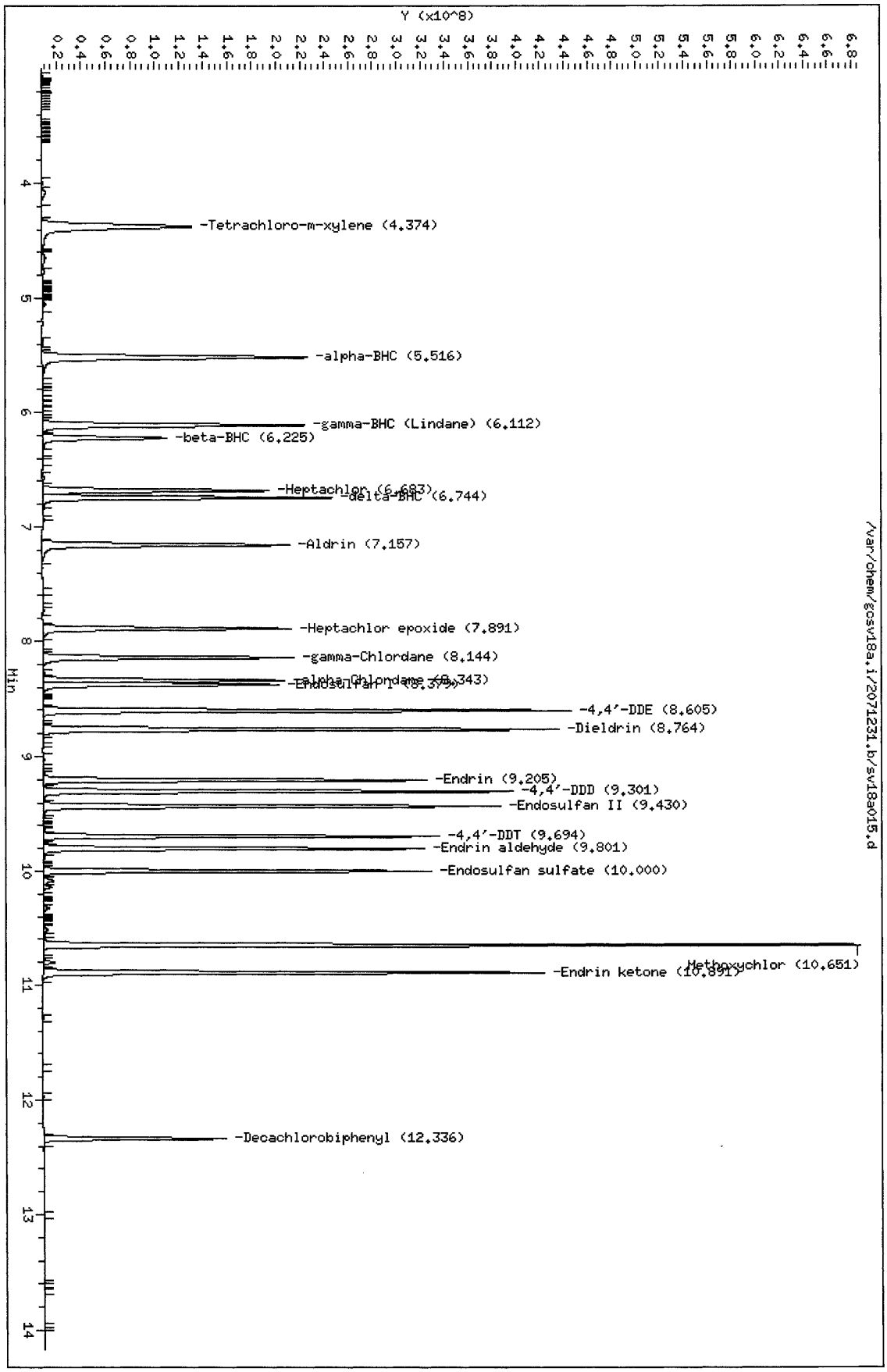
Data File: /var/chem/gcsv18a.i/2071231.b/sv18a015.d
Report Date: 07-Jan-2008 10:48

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.205	9.208	-0.003	501343953	120.000	100
	15 4,4'-DDD	9.301	9.302	-0.001	580097541	120.000	120
	16 Endosulfan II	9.430	9.433	-0.003	594664294	120.000	110
	17 4,4'-DDT	9.694	9.696	-0.002	477280444	120.000	96
	18 Endrin aldehyde	9.801	9.803	-0.002	487460859	120.000	120
	20 Endosulfan sulfate	10.000	10.002	-0.002	486587085	120.000	110
	19 Methoxychlor	10.651	10.653	-0.002	960107181	600.000	510
	21 Endrin ketone	10.891	10.893	-0.002	637047992	120.000	120
$	22 Decachlorobiphenyl	12.336	12.338	-0.002	221497574	60.0000	54

QC Flag Legend

M2- Compound response manually integrated because Target system integrated incorrectly.

169391


Data File: /var/chem/gcsv18a.i/2071231.b/sv18a015.d
Date : 31-DEC-2007 16:06
Client ID:
Sample Info: 1400x1 80-9-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv18a.i
Operator: smh
Column diameter: 0.32
Y (x10^8)
Min
/var/chem/gcsv18a.i/2071231.b/sv18a015.d
-Tetrachloro-m-xylene (4.374)
-alpha-BHC (5.516)
-gamma-BHC (Lindane) (6.112)
-beta-BHC (6.225)
-Heptachlor (6.683)
-delta-BHC (6.744)
-Aldrin (7.157)
-Heptachlor epoxide (7.891)
-gamma-Chlordane (8.144)
-alpha-Chlordane (8.343)
-Endosulfan I (8.379)
-4,4'-DDE (8.605)
-Dieldrin (8.764)
-Endrin (9.205)
-4,4'-DDD (9.301)
-Endosulfan II (9.430)
-4,4'-DDT (9.694)
-Endrin aldehyde (9.801)
-Endosulfan sulfate (10.000)
Methoxychlor (10.651)
-Endrin ketone (10.891)
-Decachlorobiphenyl (12.336)

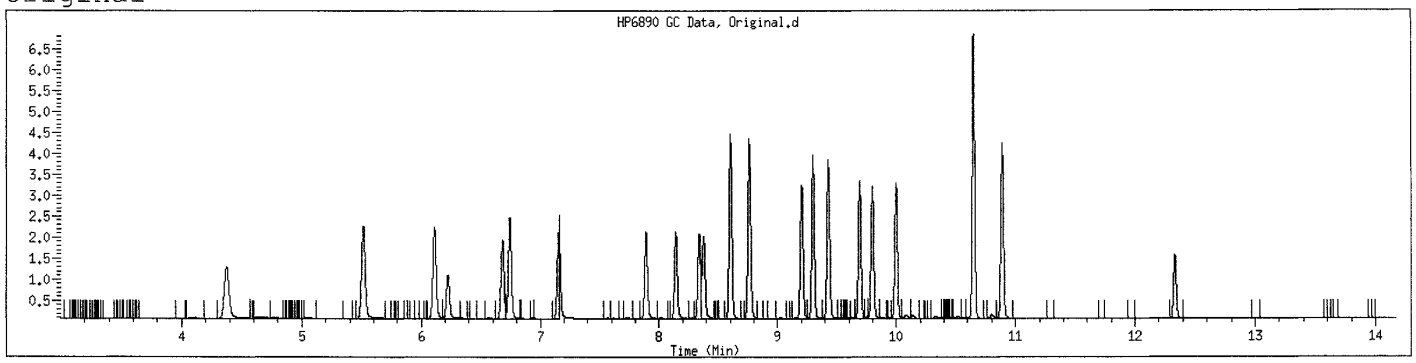
169392

Data file : /var/chem/gcsv18a.i/2071231.b/sv18a015.d
Report Date: 01/07/2008 10:48

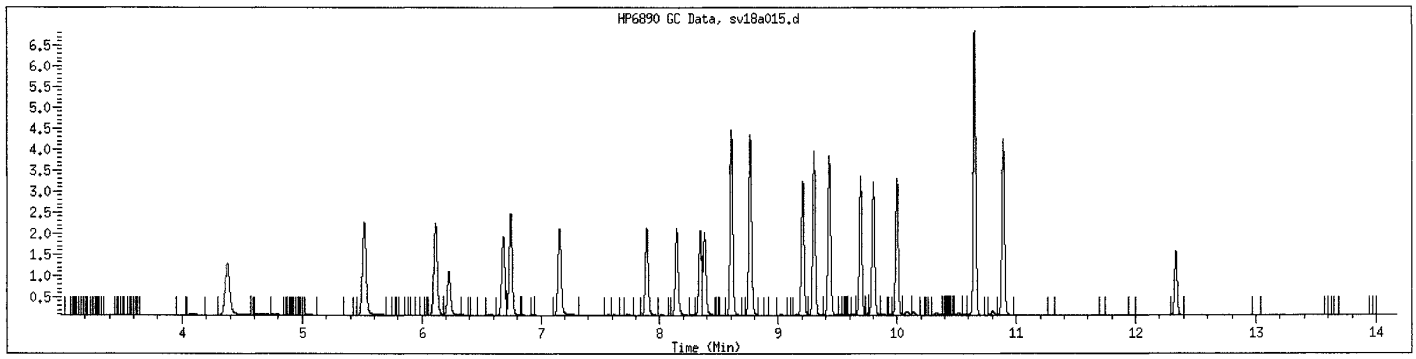
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 12/31/2007 16:06	Instrument	: gcsv18a.i
Operator	: smh		
Sample Info	: 1400*1 80-9-8		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071231.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



169393

Report Date : 09-Jan-2008 11:42

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:27
End Cal Date : 13-DEC-2007 18:58
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Cal Date : 31-Dec-2007 10:36 dlb
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv18b.i/2071213.b/sv18b021.d
Level 2: /var/chem/gcsv18b.i/2071213.b/sv18b022.d
Level 3: /var/chem/gcsv18b.i/2071213.b/sv18b023.d
Level 4: /var/chem/gcsv18b.i/2071213.b/sv18b024.d
Level 5: /var/chem/gcsv18b.i/2071213.b/sv18b025.d
Level 6: /var/chem/gcsv18b.i/2071213.b/sv18b020.d

		5.000	20.000	60.000	80.000	100.000	2.500		
	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	% RSD
	2 alpha-BHC	8820484	10518788	10030732	10091219	9804538	13362454	10438036	14.757
	3 gamma-BHC (Lindane)	8178124	9544053	9050892	9085429	8799319	+++++	8931564	5.593
	4 Heptachlor	6933260	8857105	8551884	8599212	8338279	+++++	8255948	9.231
	5 Aldrin	7433998	8686250	8094238	8099539	7768793	+++++	8016564	5.791
	6 beta-BHC	4210086	4553238	4225073	4241435	4081804	+++++	4262327	4.094
	7 delta-BHC	6692543	8336342	8101601	8176798	7923920	+++++	7846241	8.434
	8 Heptachlor epoxide	7090897	7927154	7261378	7207870	6906111	+++++	7278682	5.321
	9 Endosulfan I	5856093	7395818	6946778	6892471	6685964	+++++	6755425	8.371
	10 gamma-Chlordane	6211301	7529055	7218528	7235655	7016474	+++++	7042203	7.088
	11 alpha-Chlordane	5430876	7074309	6799956	6848119	6553133	+++++	6541279	9.903
	12 4,4'-DDE	6968539	7759334	7183106	7185321	6910490	+++++	7201358	4.661
	13 Dieldrin	7077291	7878017	7190587	7181937	6915887	+++++	7248744	5.088
	14 Endrin	5860142	6500059	5960473	5964196	5773973	+++++	6011769	4.726
	15 4,4'-DDD	5983240	6415844	5964948	5973736	5780639	+++++	6023682	3.897
	16 Endosulfan II	6221086	6701653	6105744	6086453	5851398	+++++	6193267	5.075
	17 4,4'-DDT	5720520	6711793	6417419	6458688	6271954	+++++	6316075	5.838
	18 Endrin aldehyde	5112321	5534681	5032357	5013169	4816540	+++++	5101814	5.200
	19 Methoxychlor	2678465	2816672	2674543	2761462	2715956	+++++	2729419	2.200
	20 Endosulfan sulfate	5356136	5912894	5507201	5501770	5311492	+++++	5517898	4.300
	21 Endrin ketone	6685196	7256264	6693118	6711467	6526463	+++++	6774502	4.124
M	23 AR 1016-AVG	662944	671395	633187	628328	576560	677553	641661	5.878

169394

Report Date : 09-Jan-2008 11:42

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:27
End Cal Date : 13-DEC-2007 18:58
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Cal Date : 31-Dec-2007 10:36 dlb
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	24 AR 1016-PEAK1	153474	163847	133695	139912	121850	166398	146529	12.056
	25 AR 1016-PEAK2	199218	188206	178065	170140	155152	191838	180437	8.916
	26 AR 1016-PEAK3	146957	154853	160023	159598	150870	155082	154564	3.261
	27 AR 1016-PEAK4	163295	164488	161403	158678	148687	164235	160131	3.753
M	28 AR 1260-AVG	2109808	1857624	1886154	1854983	1753227	2213445	1945873	9.054
	29 AR 1260-PEAK1	237248	235601	231964	229911	216750	252846	234053	5.007
	30 AR 1260-PEAK2	419042	381136	355528	340918	320108	446865	377266	12.803
	31 AR 1260-PEAK3	601090	439443	523506	520980	484812	618080	531319	12.812
	32 AR 1260-PEAK4	852428	801443	775156	763174	731556	895653	803235	7.572
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	191854	+++++	+++++	+++++	191854	0.000
	38 AR 1221-PEAK1	+++++	+++++	23936	+++++	+++++	+++++	23936	0.000
	39 AR 1221-PEAK2	+++++	+++++	33636	+++++	+++++	+++++	33636	0.000
	40 AR 1221-PEAK3	+++++	+++++	84525	+++++	+++++	+++++	84525	0.000
	41 AR 1221-PEAK4	+++++	+++++	49757	+++++	+++++	+++++	49757	0.000
M	42 AR 1232-AVG	+++++	+++++	389652	+++++	+++++	+++++	389652	0.000
	43 AR 1232-PEAK1	+++++	+++++	149965	+++++	+++++	+++++	149965	0.000
	44 AR 1232-PEAK2	+++++	+++++	108257	+++++	+++++	+++++	108257	0.000
	45 AR 1232-PEAK3	+++++	+++++	70169	+++++	+++++	+++++	70169	0.000
	46 AR 1232-PEAK4	+++++	+++++	61260	+++++	+++++	+++++	61260	0.000
M	47 AR 1242-AVG	+++++	+++++	662120	+++++	+++++	+++++	662120	0.000
	48 AR 1242-PEAK1	+++++	+++++	136898	+++++	+++++	+++++	136898	0.000
	49 AR 1242-PEAK2	+++++	+++++	259492	+++++	+++++	+++++	259492	0.000
	50 AR 1242-PEAK3	+++++	+++++	124446	+++++	+++++	+++++	124446	0.000
	51 AR 1242-PEAK4	+++++	+++++	141285	+++++	+++++	+++++	141285	0.000
M	52 AR 1248-AVG	+++++	+++++	835409	+++++	+++++	+++++	835409	0.000

169395

Report Date : 09-Jan-2008 11:42

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:27
End Cal Date : 13-DEC-2007 18:58
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Cal Date : 31-Dec-2007 10:36 dlb
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	53 AR 1248-PEAK1	+++++	+++++	194062	+++++	+++++	+++++	194062	0.000
	54 AR 1248-PEAK2	+++++	+++++	181898	+++++	+++++	+++++	181898	0.000
	55 AR 1248-PEAK3	+++++	+++++	212475	+++++	+++++	+++++	212475	0.000
	56 AR 1248-PEAK4	+++++	+++++	246975	+++++	+++++	+++++	246975	0.000
M	57 AR 1254-AVG	+++++	+++++	903916	+++++	+++++	+++++	903916	0.000
	58 AR 1254-PEAK1	+++++	+++++	123081	+++++	+++++	+++++	123081	0.000
	59 AR 1254-PEAK2	+++++	+++++	108977	+++++	+++++	+++++	108977	0.000
	60 AR 1254-PEAK3	+++++	+++++	259566	+++++	+++++	+++++	259566	0.000
	61 AR 1254-PEAK4	+++++	+++++	412292	+++++	+++++	+++++	412292	0.000
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	1067525	+++++	1067525	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	282153	+++++	282153	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	247062	+++++	247062	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	264701	+++++	264701	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	273609	+++++	273609	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	2279598	+++++	2279598	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	301650	+++++	301650	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	361306	+++++	361306	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	933573	+++++	933573	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	683069	+++++	683069	0.000
	73 CHLORDANE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	74 AR 1268-AVG	+++++	+++++	4383946	+++++	+++++	+++++	4383946	0.000
	75 AR 1268-PEAK1	+++++	+++++	935468	+++++	+++++	+++++	935468	0.000
	76 AR 1268-PEAK2	+++++	+++++	830984	+++++	+++++	+++++	830984	0.000
	77 AR 1268-PEAK3	+++++	+++++	664982	+++++	+++++	+++++	664982	0.000
	78 AR 1268 PEAK4	+++++	+++++	1952511	+++++	+++++	+++++	1952511	0.000
M	79 AR 1262-AVG	+++++	+++++	1979238	+++++	+++++	+++++	1979238	0.000
	80 AR 1262-PEAK1	+++++	+++++	365444	+++++	+++++	+++++	365444	0.000
	81 AR 1262-PEAK2	+++++	+++++	454615	+++++	+++++	+++++	454615	0.000

169396

Report Date : 09-Jan-2008 11:42

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:27
End Cal Date : 13-DEC-2007 18:58
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Cal Date : 31-Dec-2007 10:36 dlb
Curve Type : Average

	5.000	20.000	60.000	80.000	100.000	2.500	___	
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	% RSD
82 AR 1262-PEAK3	+++++	+++++	818292	+++++	+++++	+++++	818292	0.000
83 AR 1262-PEAK4	+++++	+++++	340888	+++++	+++++	+++++	340888	0.000
84 Diallate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
85 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
86 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
175 kepone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
177 Mirix	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 1 Tetrachloro-m-xylene	7411741	8354225	7745667	7712632	7486395	+++++	7742132	4.790
$ 22 Decachlorobiphenyl	5738333	6149972	5730537	5762821	5582501	+++++	5792833	3.657

169397

Report Date : 09-Jan-2008 11:42

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:27
End Cal Date : 13-DEC-2007 18:58
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Cal Date : 31-Dec-2007 10:36 dlb
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 6.66403
Maximun Average %RSD = 15.00000
* Passed Average %RSD Test.

169398

Gulf Coast Analytical Laboratories, Inc.

Breakdown Calculation

DDT Breakdown:
Formula

$$\frac{\text{(Area DDD) + (Area DDE)}}{\text{(Area DDD) + (Area DDE) + (Area DDT)}} \times 100$$

DDT Breakdown:
Calculation

$$\frac{6190141 + 8484531}{6190141 + 8484531 + 438824451} \times 100 = 3.2\ \%$$

DDT Breakdown:
Criteria < 15%

==========

Endrin Breakdown:
Formula

$$\frac{\text{(Area Endrin ketone) + (Area Endrin aldehyde)}}{\text{(Area End ket) + (Area End ald) + (Area Endrin)}} \times 100$$

Endrin Breakdown:
Calculation

$$\frac{17365465 + 9079915}{17365465 + 9079915 + 441194670} \times 100 = 5.7\ \%$$

Endrin Breakdown:
Criteria < 15%

169399

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b002.d
Report Date: 13-Dec-2007 13:55

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b002.d
Lab Smp Id: deg
Inj Date : 13-DEC-2007 12:10
Operator : tls Inst ID: gcsv18b.i
Smp Info : deg*1 80-8-9
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 13-Dec-2007 13:53 tls Quant Type: ESTD
Cal Date : 26-NOV-2007 20:38 Cal File: sv18b020.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

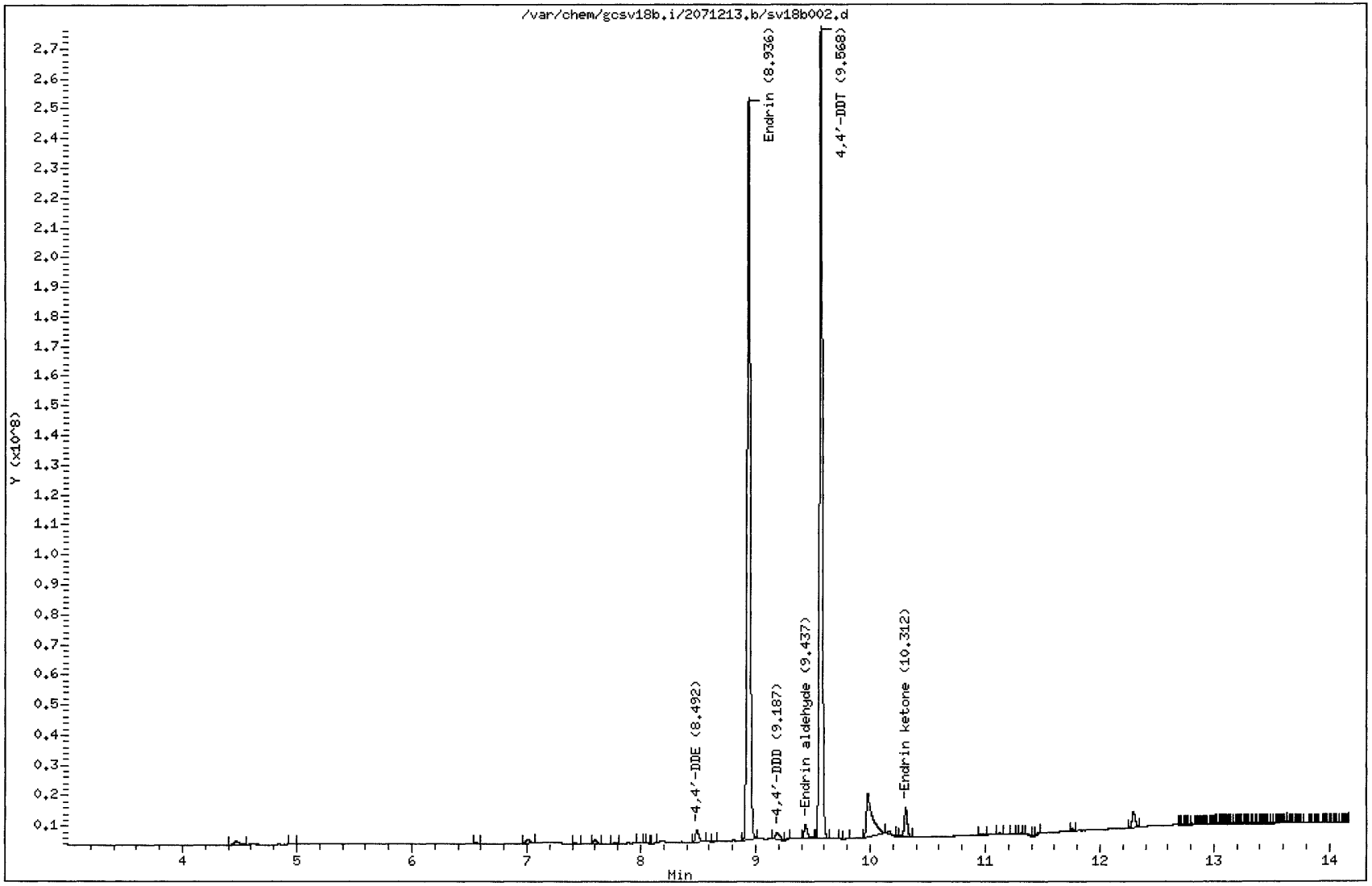
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.492	8.511	-0.019	8484531	1.17818	0.012
15 4,4'-DDD	9.187	9.181	0.006	6190141	1.02763	0.010
17 4,4'-DDT	9.568	9.566	0.002	438824451	69.4774	0.69
18 Endrin aldehyde	9.437	9.433	0.004	9079915	1.77974	0.018
21 Endrin ketone	10.312	10.311	0.001	17365465	2.56336	0.026
14 Endrin	8.936	8.934	0.002	441194670	73.3885	0.73

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b002.d
Date : 13-DEC-2007 12:10
Client ID:
Sample Info: deg*1 80-8-9
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

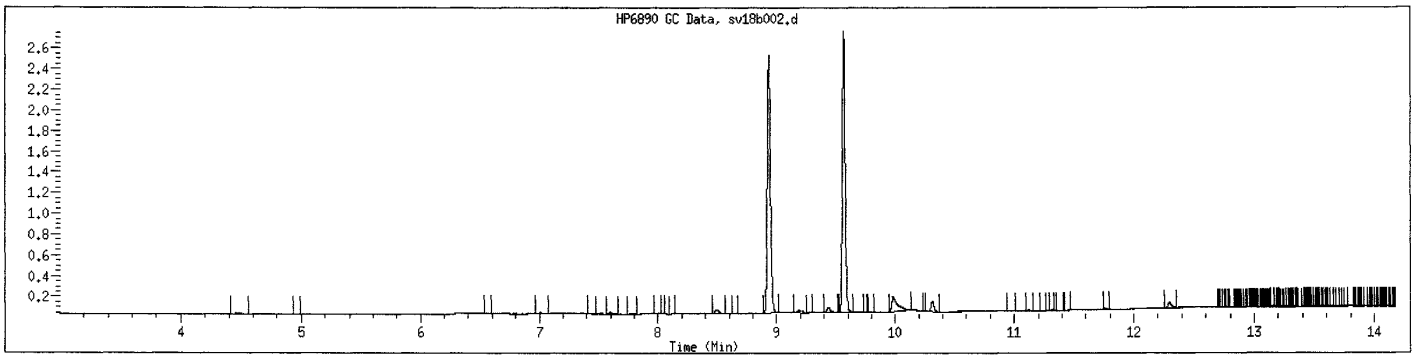
Instrument: gcsv18b.i

Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: deg	SampleType	: SAMPLE
Injection Date	: 12/13/2007 12:10	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: deg*1 80-8-9		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: deg



NO MANUAL INTEGRATIONS

169402

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b003.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b003.d
Lab Smp Id: 1206
Inj Date : 13-DEC-2007 12:27
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1206*1 2.5
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 12:27 Cal File: sv18b003.d
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

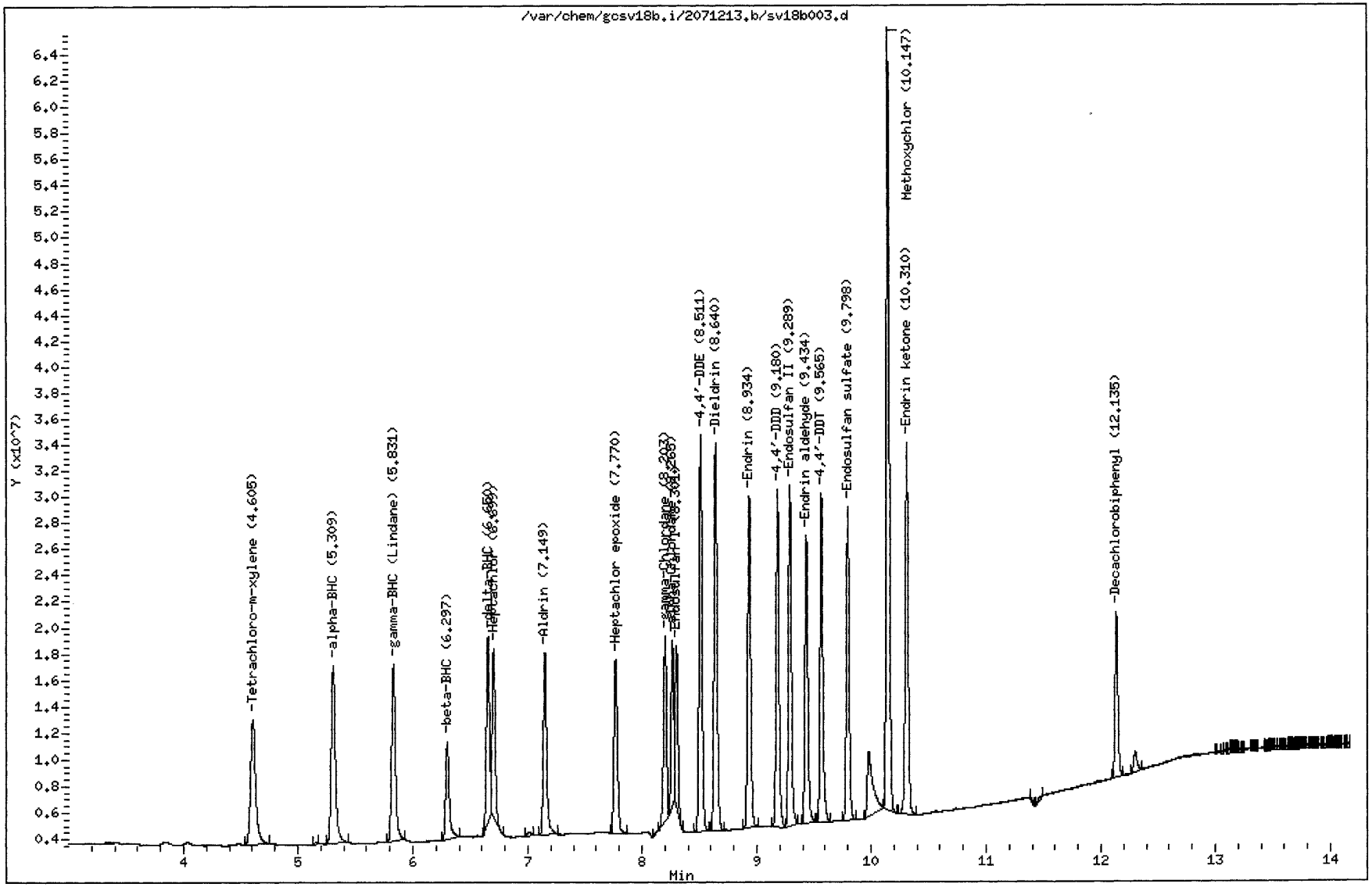
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
2 alpha-BHC	5.309	5.309	0.000	33406135	2.50000	2.5
6 beta-BHC	6.297	6.298	-0.001	15980537	2.50000	
7 delta-BHC	6.650	6.650	0.000	24043479	2.50000	
5 Aldrin	7.149	7.149	0.000	27677118	2.50000	
8 Heptachlor epoxide	7.770	7.770	0.000	26594646	2.50000	
10 gamma-Chlordane	8.203	8.201	0.002	23953847	2.50000	
11 alpha-Chlordane	8.265	8.268	-0.003	18786365	2.50000	
12 4,4'-DDE	8.511	8.511	0.000	51398513	5.00000	
16 Endosulfan II	9.289	9.289	0.000	45825195	5.00000	
18 Endrin aldehyde	9.434	9.432	0.002	37950203	5.00000	
20 Endosulfan sulfate	9.798	9.799	-0.001	39717154	5.00000	
21 Endrin ketone	10.310	10.310	0.000	49915641	5.00000	

169403

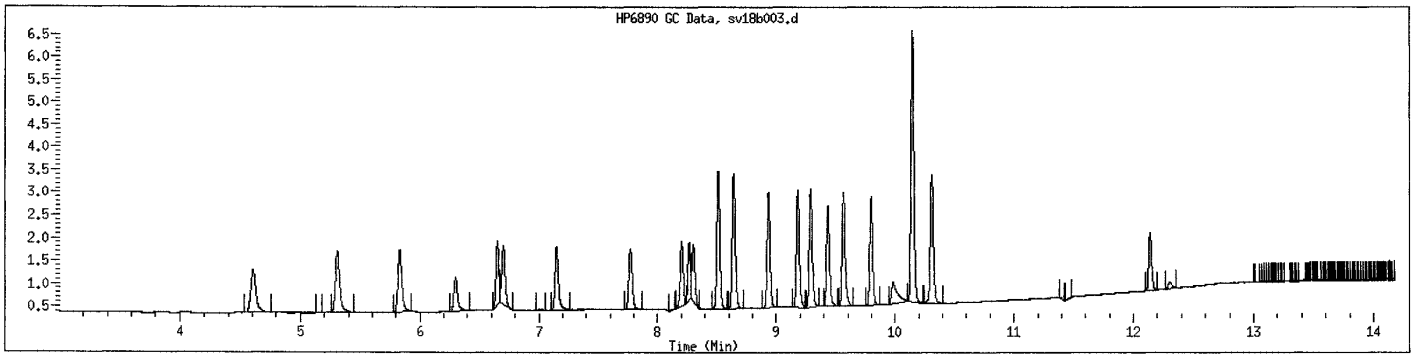
Data File: /var/chem/gcsv18b.i/2071213.b/sv18b003.d
Date : 13-DEC-2007 12:27
Client ID:
Sample Info: 1206*1 2.5
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1206	SampleType	: CALIB_6
Injection Date	: 12/13/2007 12:27	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1206*1 2.5		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

169405

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b004.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b004.d
Lab Smp Id: 1201
Inj Date : 13-DEC-2007 12:45
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1201*1 5
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 12:45 Cal File: sv18b004.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.605	4.605	0.000	37058704	5.00000	5.0
2	alpha-BHC	5.308	5.309	-0.001	44102422	5.00000	4.0
3	gamma-BHC (Lindane)	5.830	5.830	0.000	40890619	5.00000	5.0
6	beta-BHC	6.297	6.298	-0.001	21050431	5.00000	5.0
7	delta-BHC	6.650	6.650	0.000	33462716	5.00000	5.0
4	Heptachlor	6.699	6.700	-0.001	34666301	5.00000	5.0
5	Aldrin	7.147	7.149	-0.002	37169989	5.00000	5.0
8	Heptachlor epoxide	7.768	7.770	-0.002	35454486	5.00000	5.0
10	gamma-Chlordane	8.202	8.201	0.001	31056503	5.00000	5.0
11	alpha-Chlordane	8.264	8.265	-0.001	27154379	5.00000	5.0
9	Endosulfan I	8.301	8.300	0.001	29280467	5.00000	5.0
12	4,4'-DDE	8.510	8.510	0.000	69685392	10.0000	10
13	Dieldrin	8.640	8.640	0.000	70772911	10.0000	10

169406

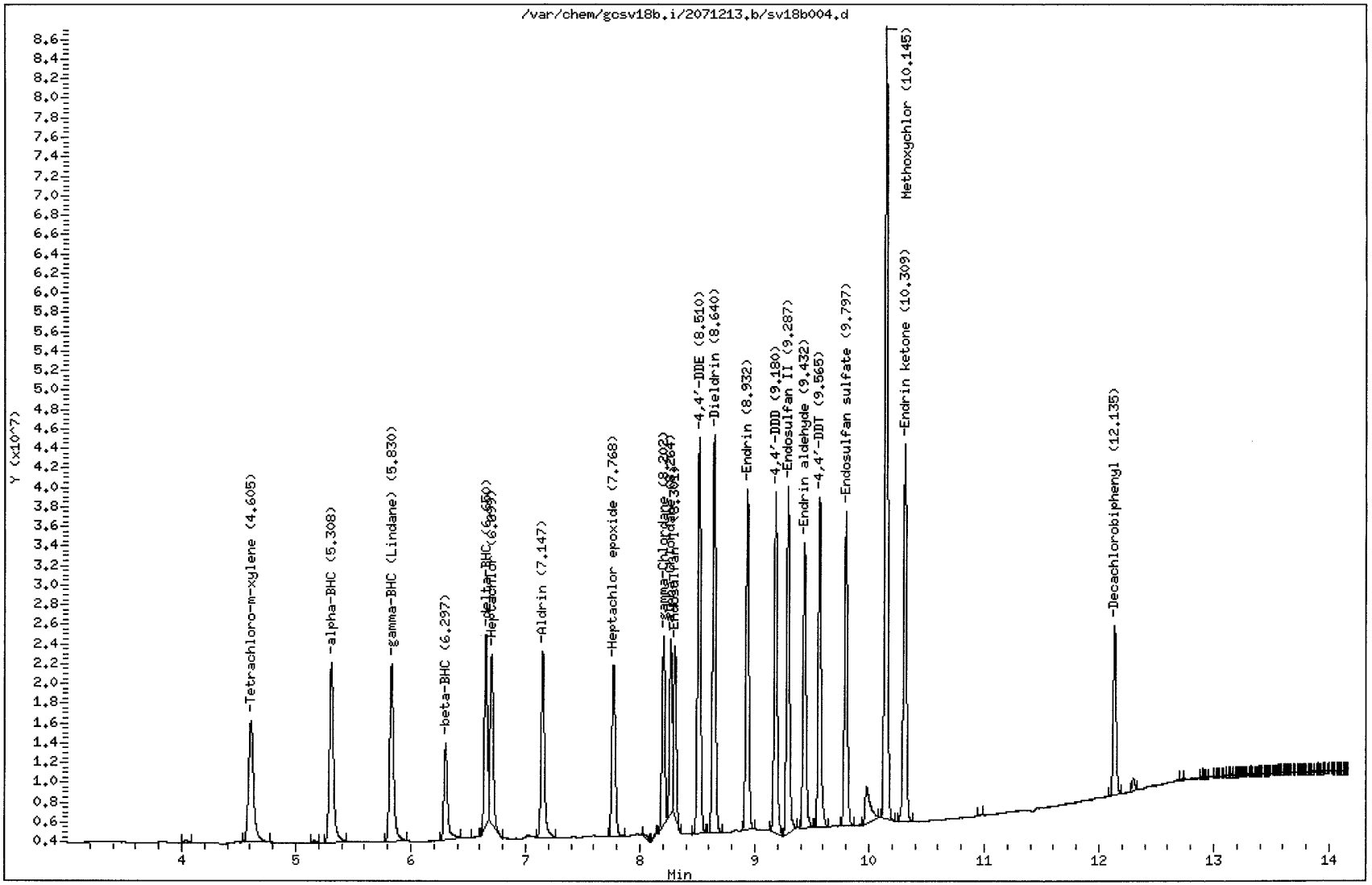
Data File: /var/chem/gcsv18b.i/2071213.b/sv18b004.d
Report Date: 14-Dec-2007 10:15

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	8.932	8.931	0.001	58601425	10.0000	10
	15 4,4'-DDD	9.180	9.180	0.000	59832403	10.0000	10
	16 Endosulfan II	9.287	9.289	-0.002	62210862	10.0000	10
	18 Endrin aldehyde	9.432	9.431	0.001	51123206	10.0000	10
	17 4,4'-DDT	9.565	9.565	0.000	57205196	10.0000	10
	20 Endosulfan sulfate	9.797	9.799	-0.002	53561355	10.0000	10
	19 Methoxychlor	10.145	10.145	0.000	133923272	50.0000	50
	21 Endrin ketone	10.309	10.310	-0.001	66851963	10.0000	10
$	22 Decachlorobiphenyl	12.135	12.135	0.000	28691665	5.00000	5.0

169407

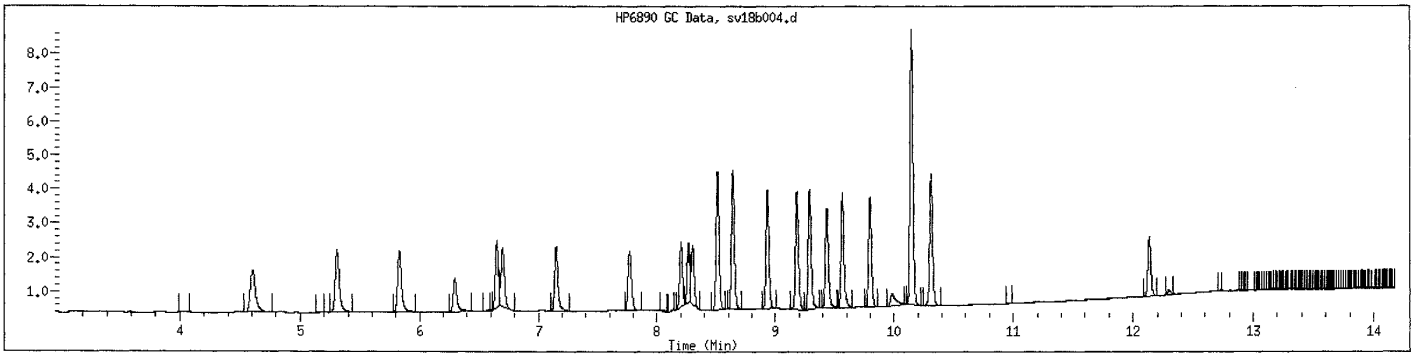
Data File: /var/chem/gcsv18b.i/2071213.b/sv18b004.d
Date : 13-DEC-2007 12:45
Client ID:
Sample Info: 1201*1 5
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1201	SampleType	: CALIB_1
Injection Date	: 12/13/2007 12:45	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1201*1 5		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b005.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b005.d
Lab Smp Id: 1202
Inj Date : 13-DEC-2007 13:03
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1202*1 20
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 13:03 Cal File: sv18b005.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.606	4.606	0.000	167084508	20.0000	21
2	alpha-BHC	5.310	5.309	0.001	210375761	20.0000	19
3	gamma-BHC (Lindane)	5.831	5.830	0.001	190881060	20.0000	22
6	beta-BHC	6.297	6.298	-0.001	91064757	20.0000	21
7	delta-BHC	6.650	6.650	0.000	166726836	20.0000	22
4	Heptachlor	6.700	6.700	0.000	177142092	20.0000	22
5	Aldrin	7.150	7.149	0.001	173725000	20.0000	22
8	Heptachlor epoxide	7.770	7.770	0.000	158543075	20.0000	21
10	gamma-Chlordane	8.203	8.201	0.002	150581104	20.0000	22
11	alpha-Chlordane	8.266	8.266	0.000	141486179	20.0000	23
9	Endosulfan I	8.302	8.301	0.001	147916351	20.0000	22
12	4,4'-DDE	8.511	8.510	0.001	310373368	40.0000	42
13	Dieldrin	8.640	8.640	0.000	315120688	40.0000	42

169410

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b005.d
Report Date: 14-Dec-2007 10:15

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)	
14	Endrin	8.934	8.932	0.002	260002362	40.0000	42	
15	4,4'-DDD	9.180	9.180	0.000	256633768	40.0000	41	
16	Endosulfan II	9.289	9.289	0.000	268066115	40.0000	41	
18	Endrin aldehyde	9.433	9.431	0.002	221387255	40.0000	42	
17	4,4'-DDT	9.565	9.566	-0.001	268471714	40.0000	43	
20	Endosulfan sulfate	9.797	9.799	-0.002	236515766	40.0000	42	(M2)
19	Methoxychlor	10.146	10.146	0.000	563334356	200.000	210	
21	Endrin ketone	10.310	10.310	0.000	290250546	40.0000	42	
$ 22	Decachlorobiphenyl	12.135	12.136	-0.001	122999440	20.0000	21	

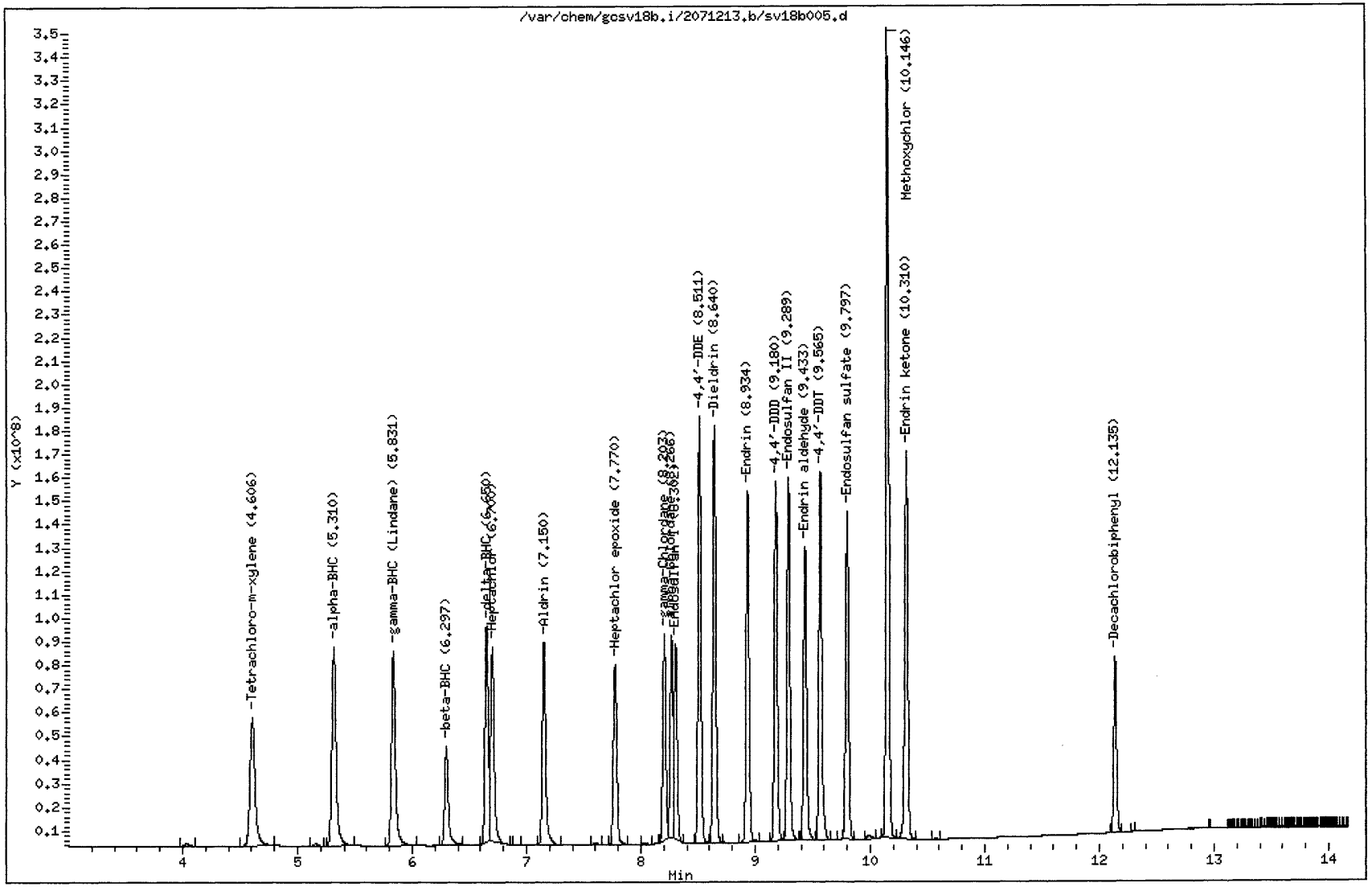
QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

169411

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b005.d
Date : 13-DEC-2007 13:03
Client ID:
Sample Info: 1202x1 20
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32

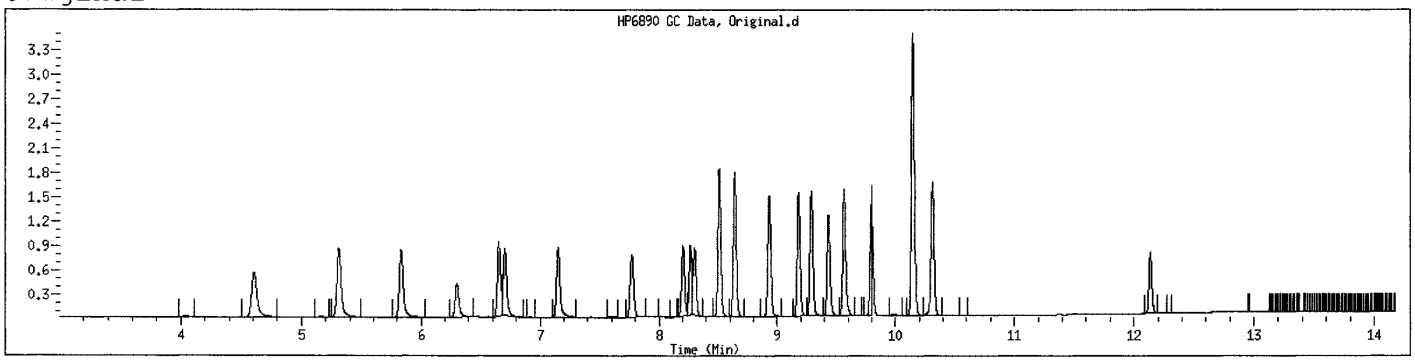


Data file : /var/chem/gcsv18b.i/2071213.b/sv18b005.d Page: 1
Report Date: 12/14/2007 10:15

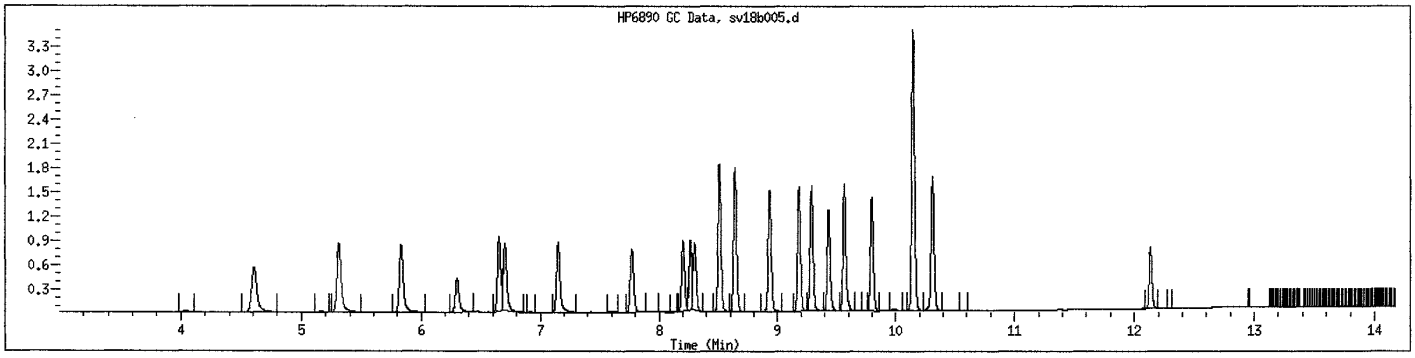
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1202	SampleType	: CALIB_2
Injection Date	: 12/13/2007 13:03	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1202*1 20		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



912

169413

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b006.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b006.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 13:21
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1203*1 60
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 13:21 Cal File: sv18b006.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.606	4.606	0.000	464740003	60.0000	59
2	alpha-BHC	5.310	5.309	0.001	601843947	60.0000	56
3	gamma-BHC (Lindane)	5.832	5.831	0.001	543053539	60.0000	61
6	beta-BHC	6.298	6.298	0.000	253504352	60.0000	59
7	delta-BHC	6.651	6.650	0.001	486096036	60.0000	63
4	Heptachlor	6.701	6.700	0.001	513113010	60.0000	63
5	Aldrin	7.150	7.149	0.001	485654286	60.0000	60
8	Heptachlor epoxide	7.771	7.770	0.001	435682668	60.0000	59
10	gamma-Chlordane	8.204	8.202	0.002	433111689	60.0000	62
11	alpha-Chlordane	8.266	8.266	0.000	407997382	60.0000	63
9	Endosulfan I	8.302	8.301	0.001	416806669	60.0000	62
12	4,4'-DDE	8.512	8.511	0.001	861972671	120.000	120
13	Dieldrin	8.642	8.641	0.001	862870404	120.000	120

169414

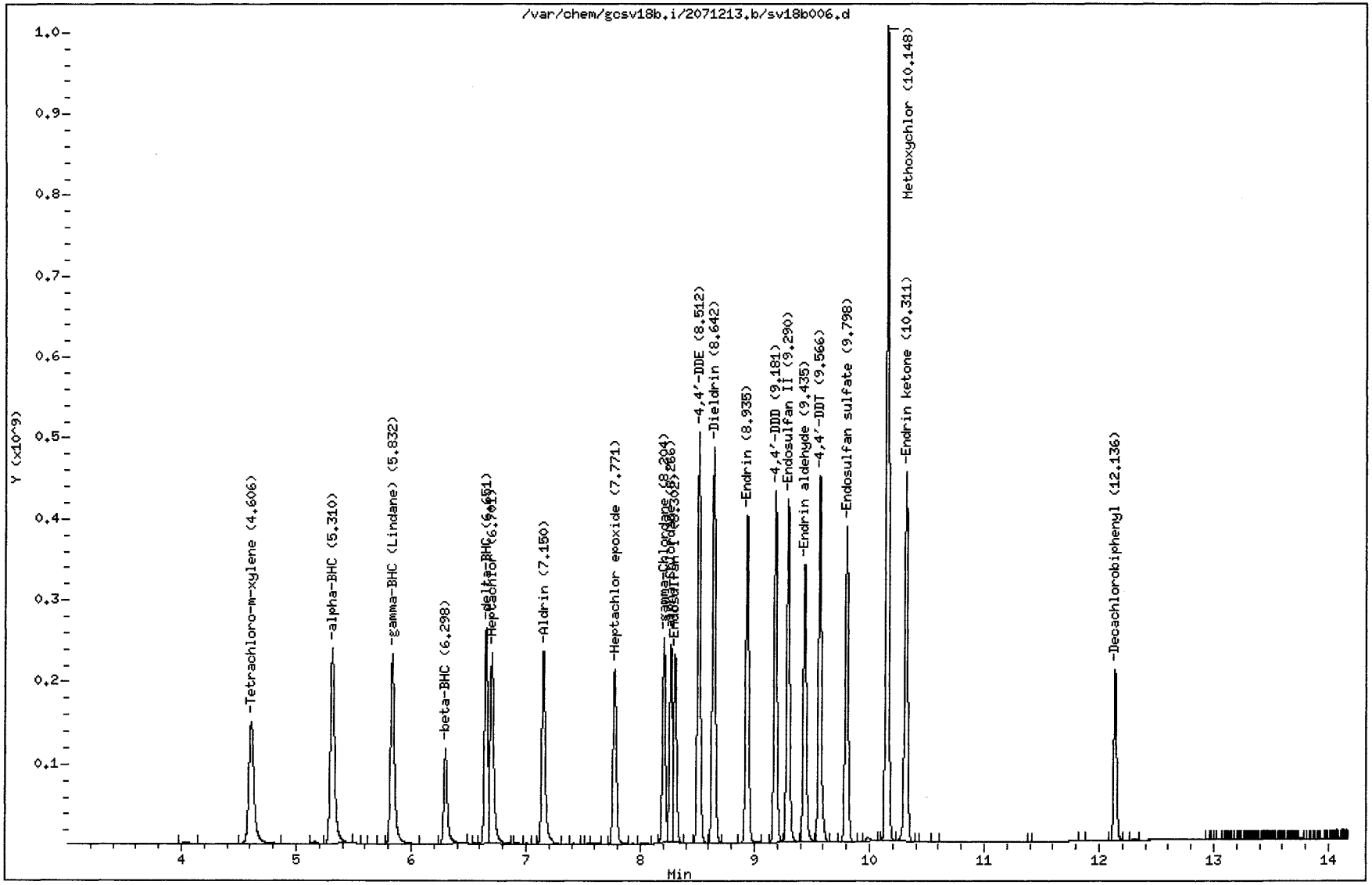
Data File: /var/chem/gcsv18b.i/2071213.b/sv18b006.d
Report Date: 14-Dec-2007 10:15

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	8.935	8.932	0.003	715256788	120.000	120
	15 4,4'-DDD	9.181	9.180	0.001	715793818	120.000	120
	16 Endosulfan II	9.290	9.289	0.001	732689251	120.000	120
	18 Endrin aldehyde	9.435	9.432	0.003	603882897	120.000	120
	17 4,4'-DDT	9.566	9.566	0.000	770090292	120.000	120
	20 Endosulfan sulfate	9.798	9.798	0.000	660864143	120.000	120
	19 Methoxychlor	10.148	10.147	0.001	1604725564	600.000	590
	21 Endrin ketone	10.311	10.310	0.001	803174116	120.000	120
$	22 Decachlorobiphenyl	12.136	12.136	0.000	343832233	60.0000	59

169415

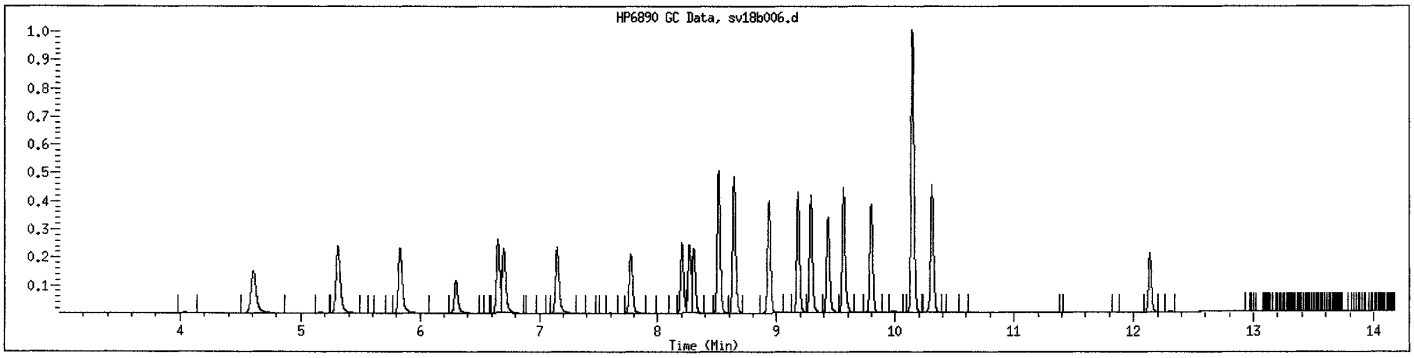
Data File: /var/chem/gcsv18b.i/2071213.b/sv18b006.d
Date : 13-DEC-2007 13:21
Client ID:
Sample Info: 1203x1 60
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 13:21	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1203*1 60		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

169417

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b007.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b007.d
Lab Smp Id: 1204
Inj Date : 13-DEC-2007 13:38
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1204*1 80
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 13:38 Cal File: sv18b007.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.606	4.607	-0.001	617010572	80.0000	79
2	alpha-BHC	5.310	5.310	0.000	807297544	80.0000	76
3	gamma-BHC (Lindane)	5.831	5.831	0.000	726834345	80.0000	81
6	beta-BHC	6.298	6.298	0.000	339314828	80.0000	79
7	delta-BHC	6.650	6.650	0.000	654143831	80.0000	84
4	Heptachlor	6.701	6.700	0.001	687936943	80.0000	84
5	Aldrin	7.150	7.149	0.001	647963089	80.0000	80
8	Heptachlor epoxide	7.770	7.770	0.000	576629605	80.0000	78
10	gamma-Chlordane	8.204	8.202	0.002	578852372	80.0000	82
11	alpha-Chlordane	8.266	8.266	0.000	547849508	80.0000	84
9	Endosulfan I	8.302	8.301	0.001	551397679	80.0000	81
12	4,4'-DDE	8.511	8.511	0.000	1149651371	160.000	160
13	Dieldrin	8.641	8.641	0.000	1149109980	160.000	160

169418

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b007.d
Report Date: 14-Dec-2007 10:15

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	8.935	8.932	0.003	954271324	160.000	160
15 4,4'-DDD	9.181	9.180	0.001	955797755	160.000	160
16 Endosulfan II	9.290	9.289	0.001	973832550	160.000	160
18 Endrin aldehyde	9.434	9.432	0.002	802107068	160.000	160
17 4,4'-DDT	9.566	9.566	0.000	1033390129	160.000	160
20 Endosulfan sulfate	9.798	9.799	-0.001	880283171	160.000	160
19 Methoxychlor	10.148	10.147	0.001	2209169313	800.000	810 (M2)
21 Endrin ketone	10.311	10.310	0.001	1073834662	160.000	160
$ 22 Decachlorobiphenyl	12.136	12.136	0.000	461025715	80.0000	79

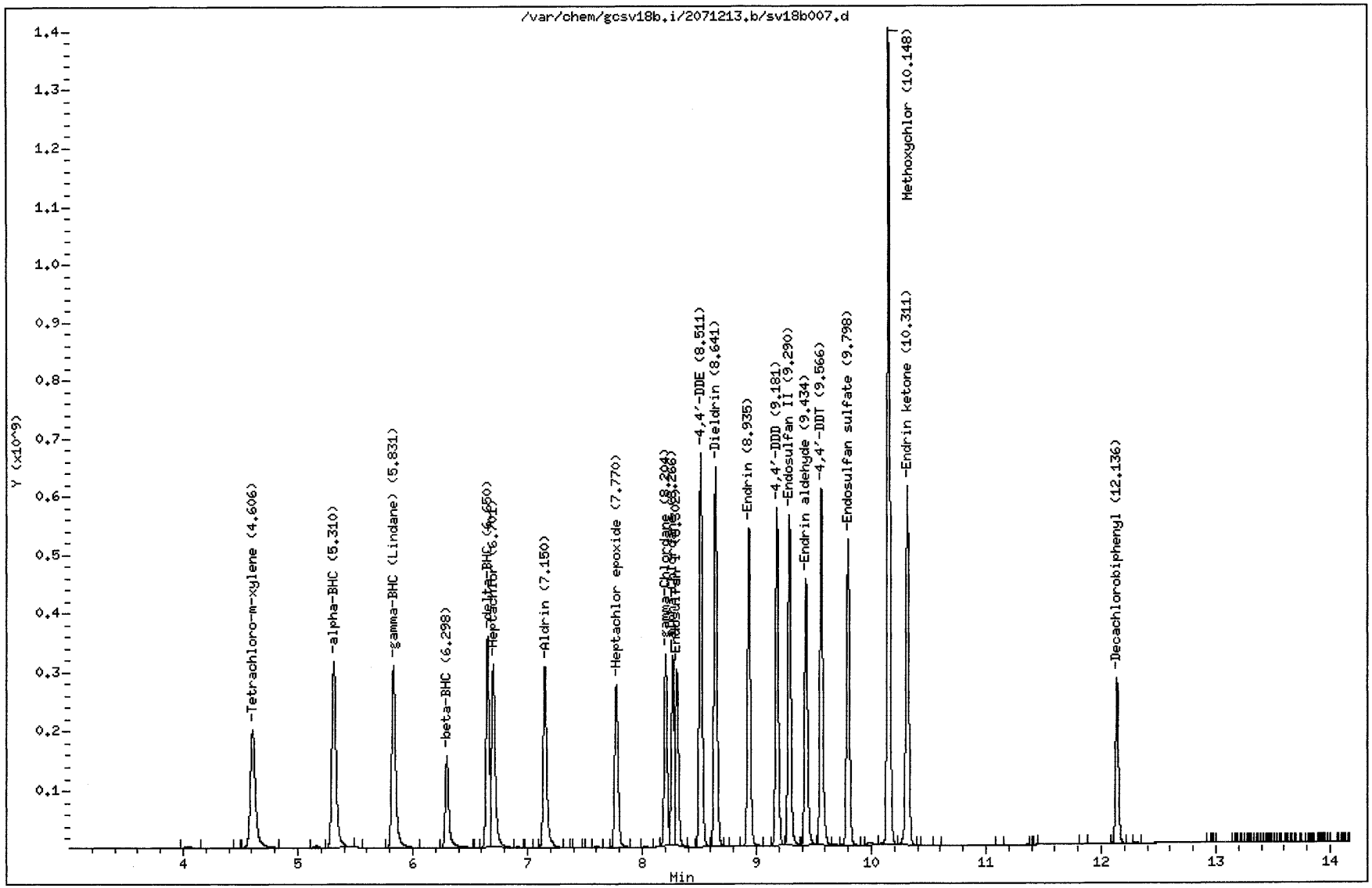
QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

169419

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b007.d
Date : 13-DEC-2007 13:38
Client ID:
Sample Info: 1204*1 80
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32

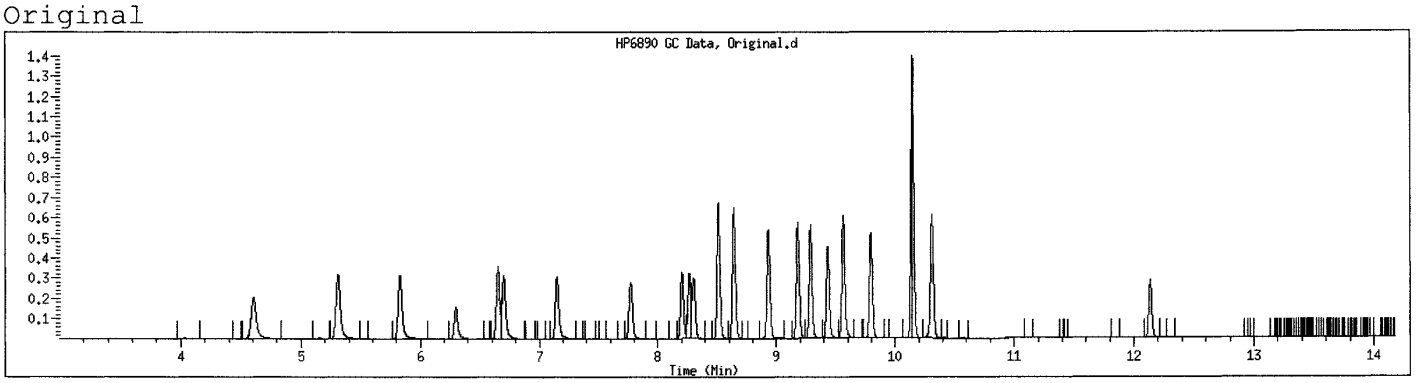


Data file : /var/chem/gcsv18b.i/2071213.b/sv18b007.d Page: 1
Report Date: 12/14/2007 10:15

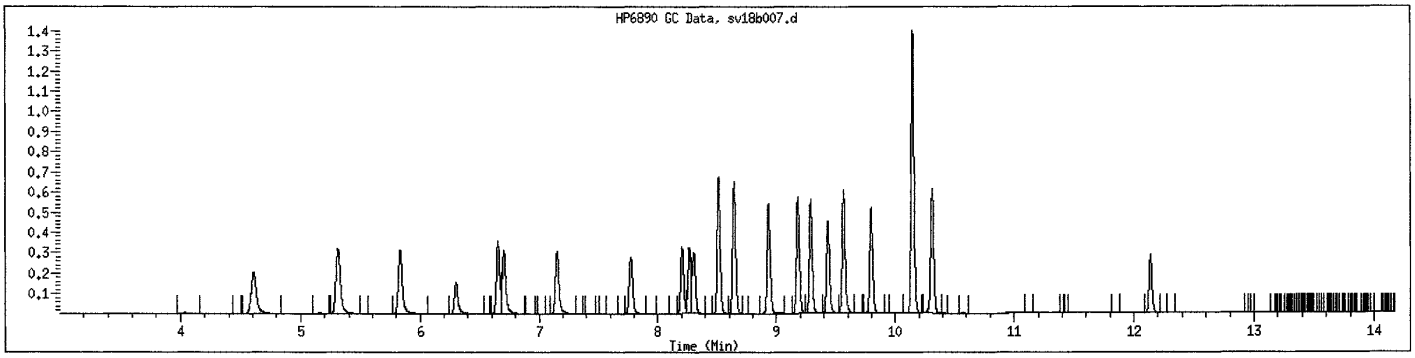
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1204	SampleType	: CALIB_4
Injection Date	: 12/13/2007 13:38	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1204*1 80		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



169421

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b008.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b008.d
Lab Smp Id: 1205
Inj Date : 13-DEC-2007 13:56
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1205*1 80-9-8
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 13:56 Cal File: sv18b008.d
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1 Tetrachloro-m-xylene	4.607	4.607	0.000	748639530	100.000	97
2 alpha-BHC	5.310	5.310	0.000	980453789	100.000	94
3 gamma-BHC (Lindane)	5.832	5.831	0.001	879931942	100.000	99
6 beta-BHC	6.298	6.298	0.000	408180382	100.000	96
7 delta-BHC	6.651	6.650	0.001	792391951	100.000	100(A)
4 Heptachlor	6.702	6.700	0.002	833827853	100.000	100(A)
5 Aldrin	7.149	7.149	0.000	776879326	100.000	97
8 Heptachlor epoxide	7.771	7.770	0.001	690611104	100.000	95
10 gamma-Chlordane	8.203	8.202	0.001	701647406	100.000	100
11 alpha-Chlordane	8.266	8.267	-0.001	655313308	100.000	100(A)
9 Endosulfan I	8.302	8.301	0.001	668596446	100.000	99
12 4,4'-DDE	8.512	8.511	0.001	1382097995	200.000	190
13 Dieldrin	8.642	8.641	0.001	1383177472	200.000	190

169422

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b008.d
Report Date: 14-Dec-2007 10:15

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	8.935	8.933	0.002	1154794605	200.000	190
15	4,4'-DDD	9.182	9.181	0.001	1156127783	200.000	190
16	Endosulfan II	9.290	9.289	0.001	1170279630	200.000	190
18	Endrin aldehyde	9.434	9.432	0.002	963308032	200.000	190
17	4,4'-DDT	9.567	9.567	0.000	1254390838	200.000	200
20	Endosulfan sulfate	9.798	9.799	-0.001	1062298352	200.000	190
19	Methoxychlor	10.149	10.148	0.001	2715955982	1000.00	1000 (M2)
21	Endrin ketone	10.312	10.310	0.002	1305292695	200.000	190
$ 22	Decachlorobiphenyl	12.136	12.137	-0.001	558250075	100.000	96

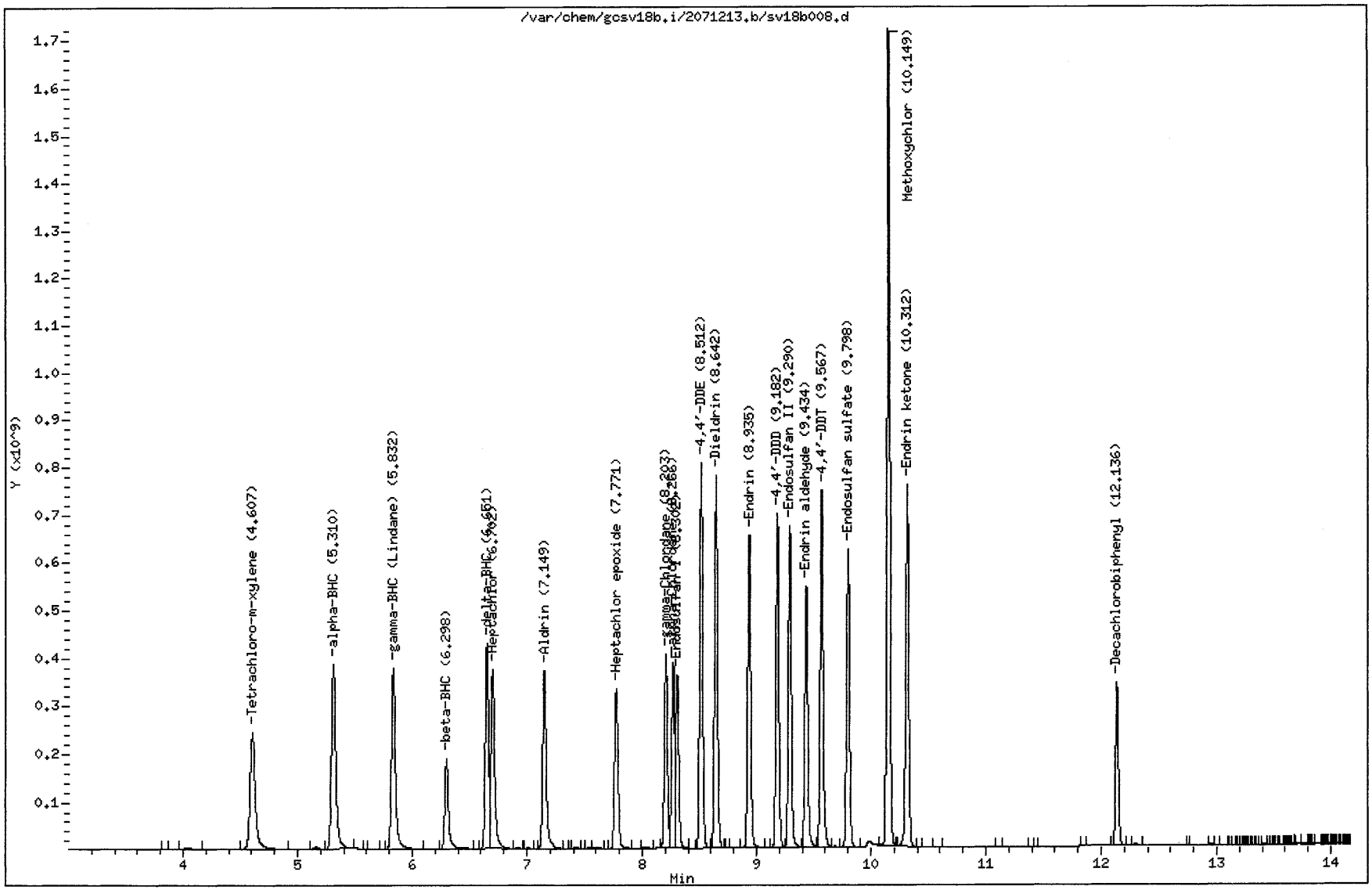
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M2- Compound response manually integrated because Target system integrated incorrectly.

169423

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b008.d
Date : 13-DEC-2007 13:56
Client ID:
Sample Info: 1205x1 80-9-8
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

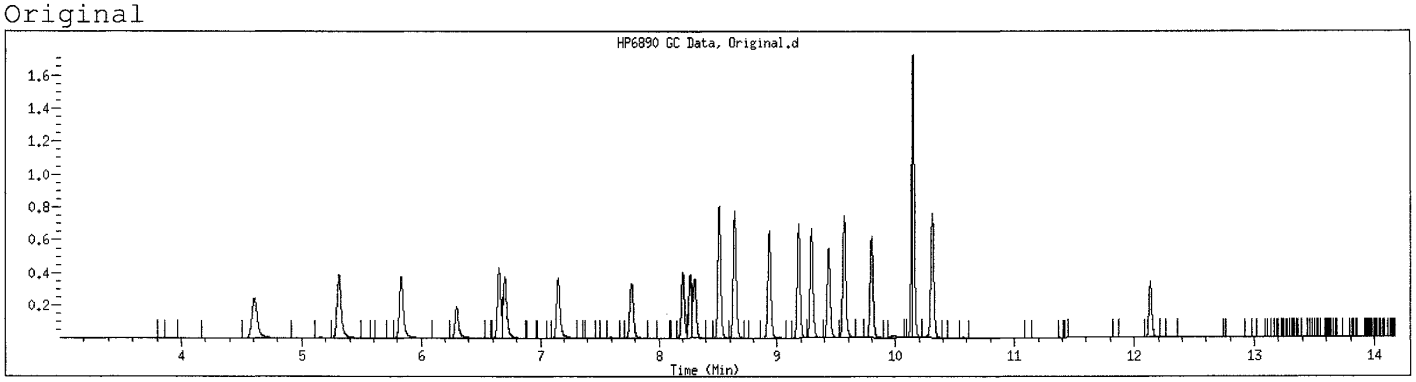
Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



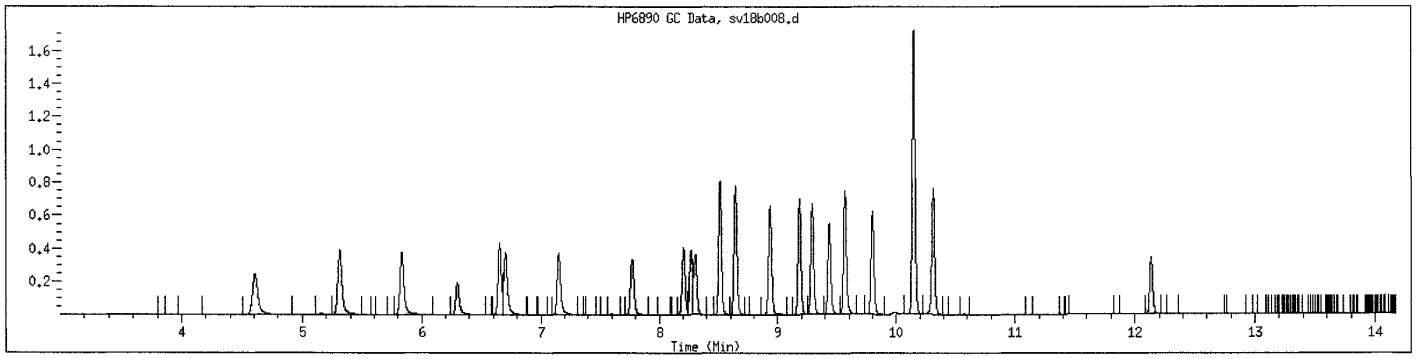
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 12/13/2007 13:56	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1205*1 80-9-8		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



169425

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b010.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b010.d
Lab Smp Id: 1205
Inj Date : 13-DEC-2007 14:32
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1205*1 80-6-9
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 14:32 Cal File: sv18b010.d
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlor.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

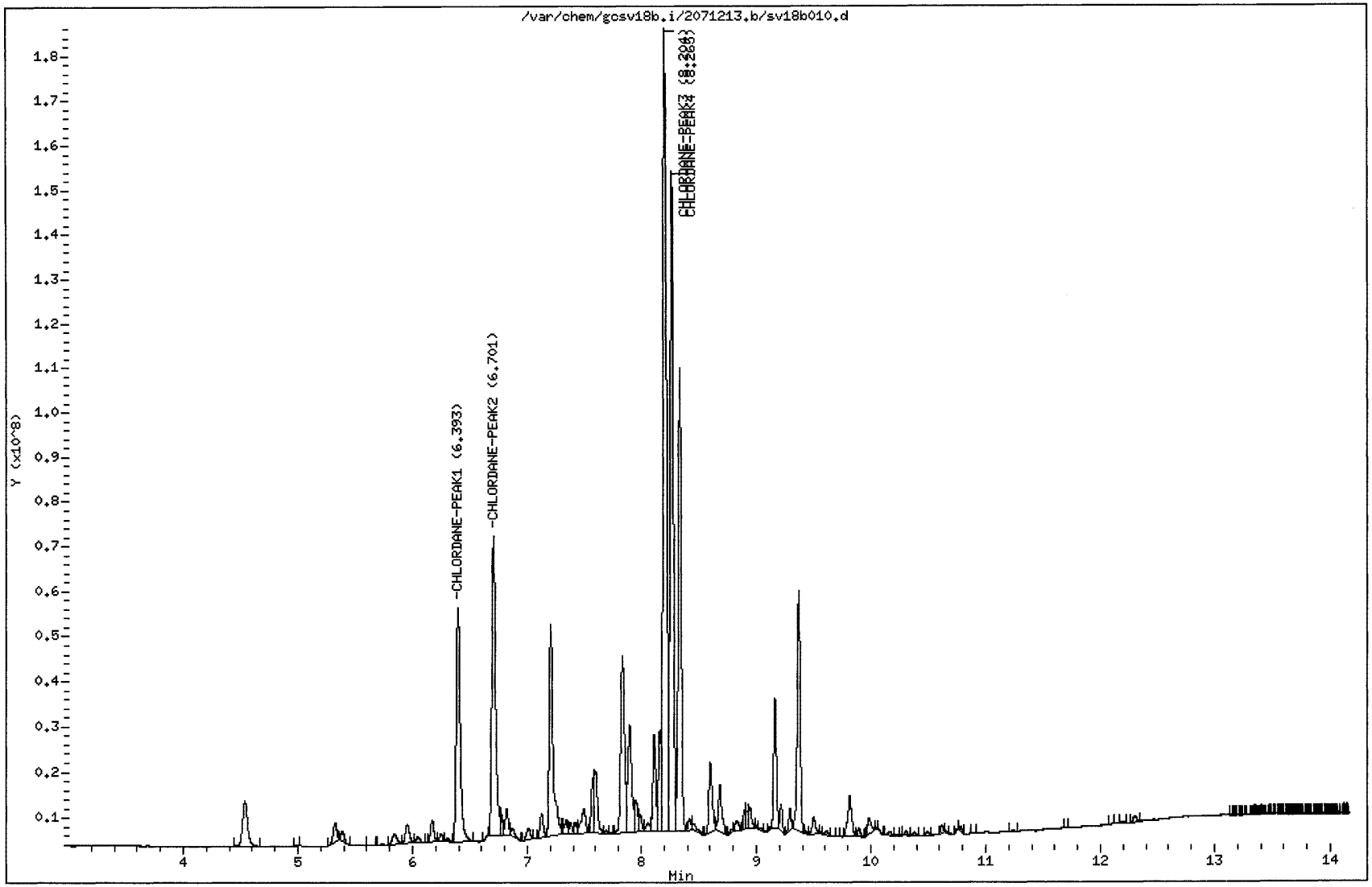
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	68 CHLORDANE-AVG				911839299	400.000	400
	69 CHLORDANE-PEAK1	6.393	6.392	0.001	120660083	400.000	400
	70 CHLORDANE-PEAK2	6.701	6.700	0.001	144522401	400.000	400
	71 CHLORDANE-PEAK3	8.204	8.202	0.002	373429017	400.000	400
	72 CHLORDANE-PEAK4	8.265	8.268	-0.003	273227798	400.000	400

169426

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b010.d
Date : 13-DEC-2007 14:32
Client ID:
Sample Info: 1205x1 80-6-9
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i

Operator: tls
Column diameter: 0.32

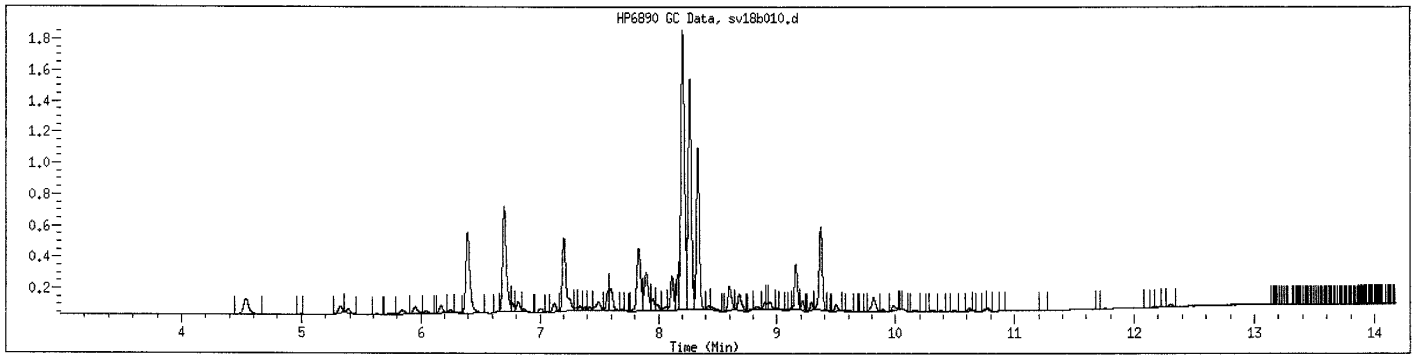


169427

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b010.d Page: 1
Report Date: 12/14/2007 10:15

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 12/13/2007 14:32	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1205*1 80-6-9		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: chlor



NO MANUAL INTEGRATIONS

169428

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b011.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b011.d
Lab Smp Id: 1201
Inj Date : 13-DEC-2007 14:49
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1201*1 80-2-8
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 14:49 Cal File: sv18b011.d
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tox.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)	
M	62 TOXAPHENE-AVG				204540172	250.000		(a)
	63 TOXAPHENE-PEAK1	9.789	9.790	-0.001	59050371	250.000		(a)
	64 TOXAPHENE-PEAK2	9.924	9.922	0.002	48303049	250.000		(a)
	65 TOXAPHENE-PEAK3	10.806	10.808	-0.002	55955693	250.000		(a)
	66 TOXAPHENE-PEAK4	10.964	10.962	0.002	41231059	250.000		(a)
	67 TOXAPHENE-PEAK5	10.484	10.482	0.002	32472809	250.000		(a)

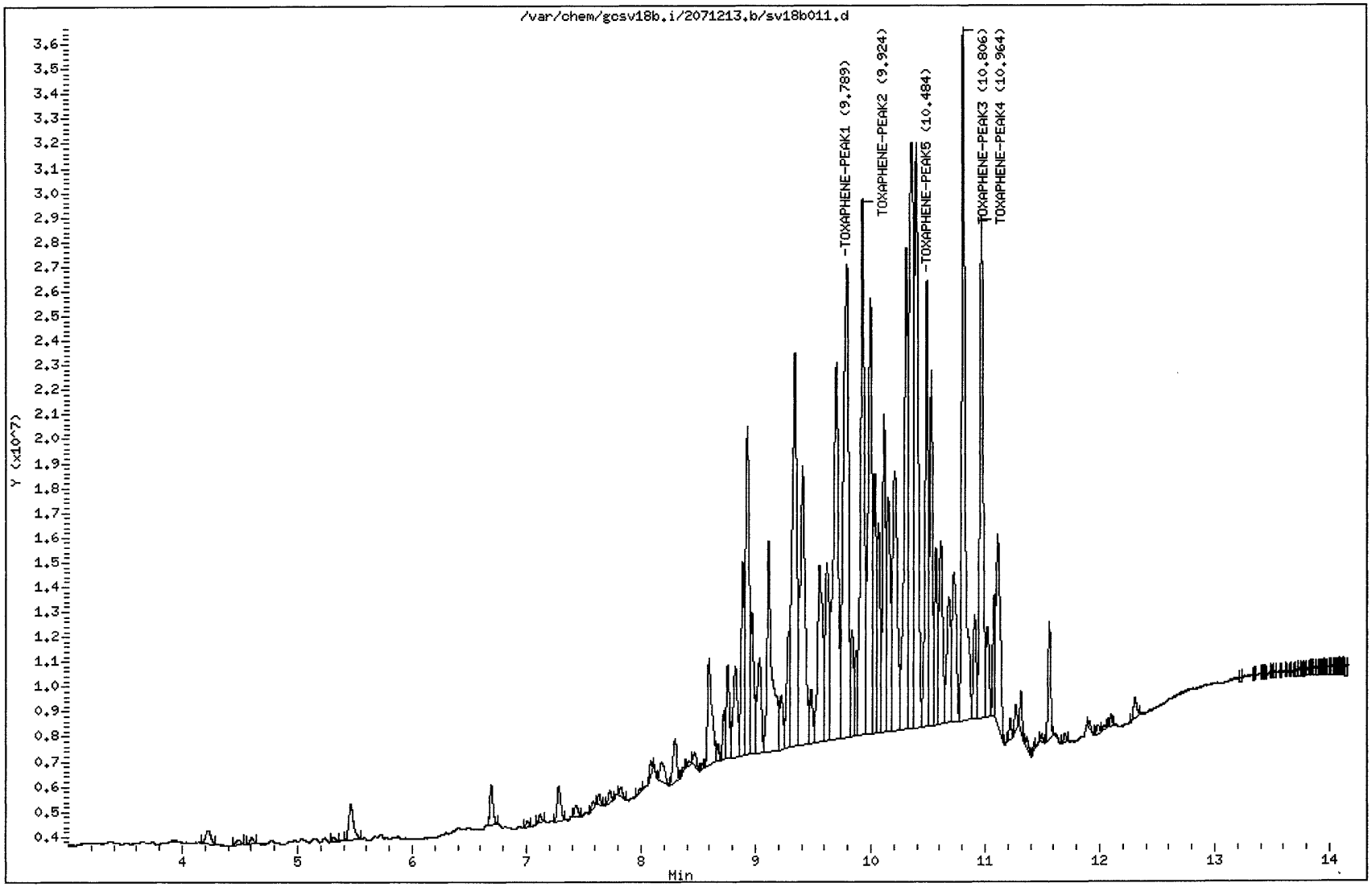
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

169429

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b011.d
Date : 13-DEC-2007 14:49
Client ID:
Sample Info: 1201x1 80-2-8
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

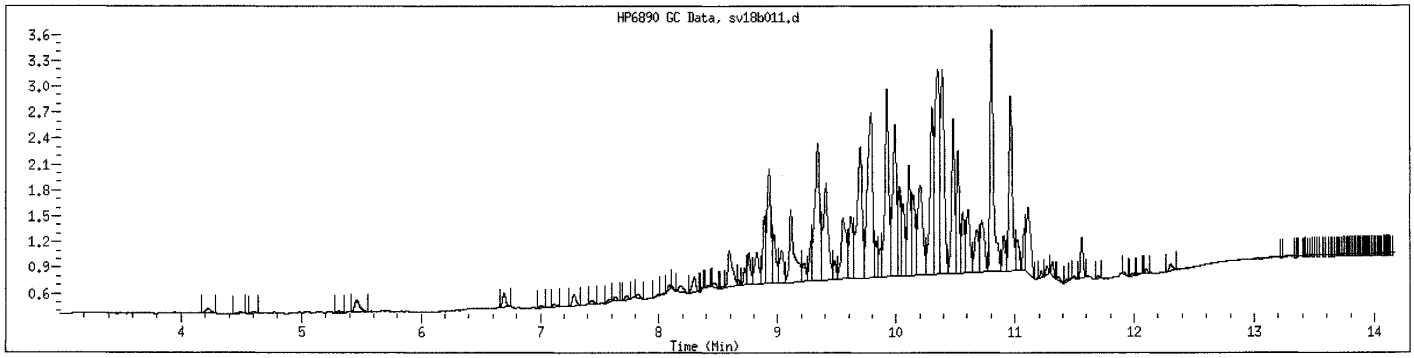
Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv18b.i/2071213.b/sv18b011.d Page: 1
Report Date: 12/14/2007 10:15

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1201	SampleType	: CALIB_1
Injection Date	: 12/13/2007 14:49	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1201*1 80-2-8		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: tox



NO MANUAL INTEGRATIONS

169431

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b012.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b012.d
Lab Smp Id: 1205
Inj Date : 13-DEC-2007 15:07
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1205*1 80-2-8
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 15:07 Cal File: sv18b012.d
Als bottle: 12 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tox.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)	
M	62 TOXAPHENE-AVG				5337624806	5000.00	5000	
	63 TOXAPHENE-PEAK1	9.790	9.790	0.000	1410763188	5000.00	5000	
	64 TOXAPHENE-PEAK2	9.925	9.925	0.000	1235311163	5000.00	5000	
	65 TOXAPHENE-PEAK3	10.807	10.808	-0.001	1323505343	5000.00	5000	
	66 TOXAPHENE-PEAK4	10.965	10.965	0.000	1368045112	5000.00	5000	
	67 TOXAPHENE-PEAK5	10.484	10.482	0.002	902179159	100.000		(a)

QC Flag Legend

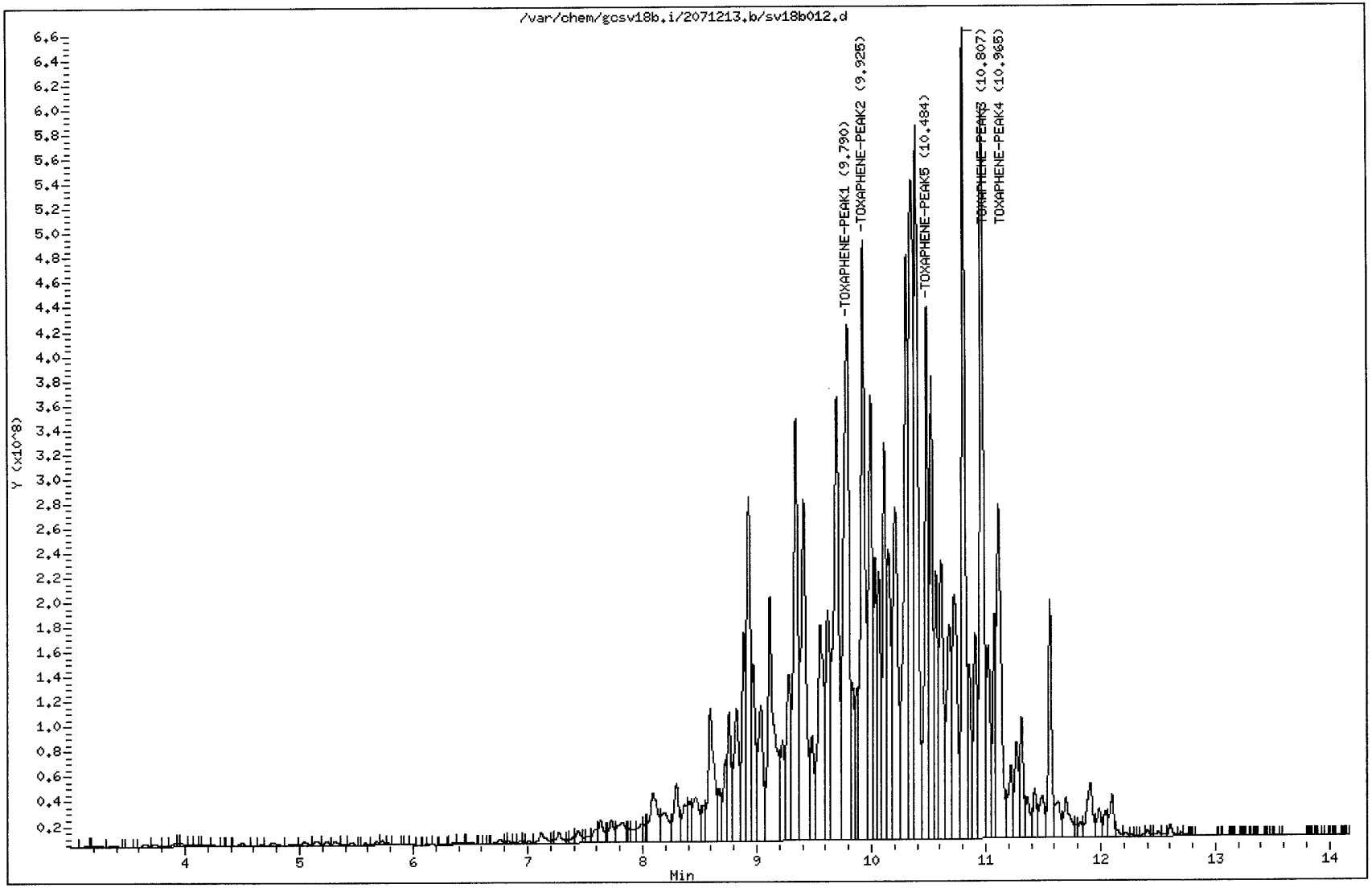
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

169432

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b012.d
Date : 13-DEC-2007 15:07
Client ID:
Sample Info: 1205x1 80-2-8
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i

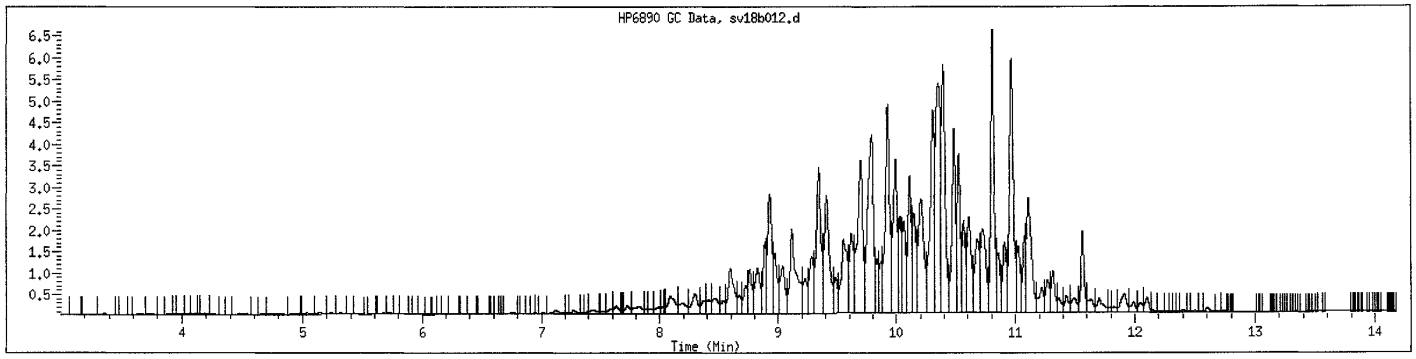
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv18b.i/2071213.b/sv18b012.d Page: 1
Report Date: 12/14/2007 10:15

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 12/13/2007 15:07	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1205*1 80-2-8		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: tox



NO MANUAL INTEGRATIONS

169434

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b009.d
Report Date: 13-Dec-2007 15:42

GCAL, Inc.

RECOVERY REPORT

Client Name: Client SDG: 2071213
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: 1600
Level: LOW Operator: tls
Data Type: GC MULTI COMP SampleType: LCS
SpikeList File: 8081icv.spk Quant Type: ESTD
Sublist File: 8081.sub
Method File: /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
2 alpha-BHC	60	62	102.96	85-115
3 gamma-BHC (Lindane)	60	65	107.66	85-115
6 beta-BHC	60	64	106.55	85-115
4 Heptachlor	60	65	108.71	85-115
7 delta-BHC	60	66	109.53	85-115
5 Aldrin	60	64	106.73	85-115
8 Heptachlor epoxide	60	63	105.06	85-115
10 gamma-Chlordane	60	64	106.57	85-115
11 alpha-Chlordane	60	62	103.56	85-115
9 Endosulfan I	60	64	106.93	85-115
12 4,4'-DDE	60	65	108.93	85-115
13 Dieldrin	60	65	108.41	85-115
14 Endrin	60	67	111.02	85-115
15 4,4'-DDD	60	67	110.96	85-115
16 Endosulfan II	60	60	100.18	85-115
17 4,4'-DDT	60	66	110.51	85-115
18 Endrin aldehyde	60	63	104.47	85-115
20 Endosulfan sulfate	60	66	110.21	85-115
19 Methoxychlor	60	72	119.68*	85-115
21 Endrin ketone	60	67	111.28	85-115

SURROGATE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
$ 1 Tetrachloro-m-xylene	500	0.0	*	45-148
$ 22 Decachlorobiphenyl	500	0.0	*	34-135

169435

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b009.d
Report Date: 13-Dec-2007 15:42

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b009.d
Lab Smp Id: 1600
Inj Date : 13-DEC-2007 14:14
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1600*1 80-4-9
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 13-Dec-2007 13:56 tls Quant Type: ESTD
Cal Date : 26-NOV-2007 21:32 Cal File: sv18b023.d
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (mL)
Vo	1.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
2 alpha-BHC	5.310	5.309	0.001	644829687	61.7769	62
3 gamma-BHC (Lindane)	5.831	5.831	0.000	576938891	64.5955	65
6 beta-BHC	6.297	6.298	-0.001	272497838	63.9317	64
7 delta-BHC	6.651	6.650	0.001	515627245	65.7165	66
4 Heptachlor	6.701	6.700	0.001	538484158	65.2238	65
5 Aldrin	7.150	7.149	0.001	513343491	64.0354	64
8 Heptachlor epoxide	7.770	7.770	0.000	458809178	63.0347	63
10 gamma-Chlordane	8.203	8.203	0.000	450297397	63.9427	64
11 alpha-Chlordane	8.266	8.266	0.000	406447640	62.1358	62
9 Endosulfan I	8.302	8.301	0.001	433408570	64.1571	64
12 4,4'-DDE	8.511	8.511	0.000	470682451	65.3602	65
13 Dieldrin	8.641	8.641	0.000	471511111	65.0473	65
14 Endrin	8.933	8.934	-0.001	400446286	66.6104	67

169436

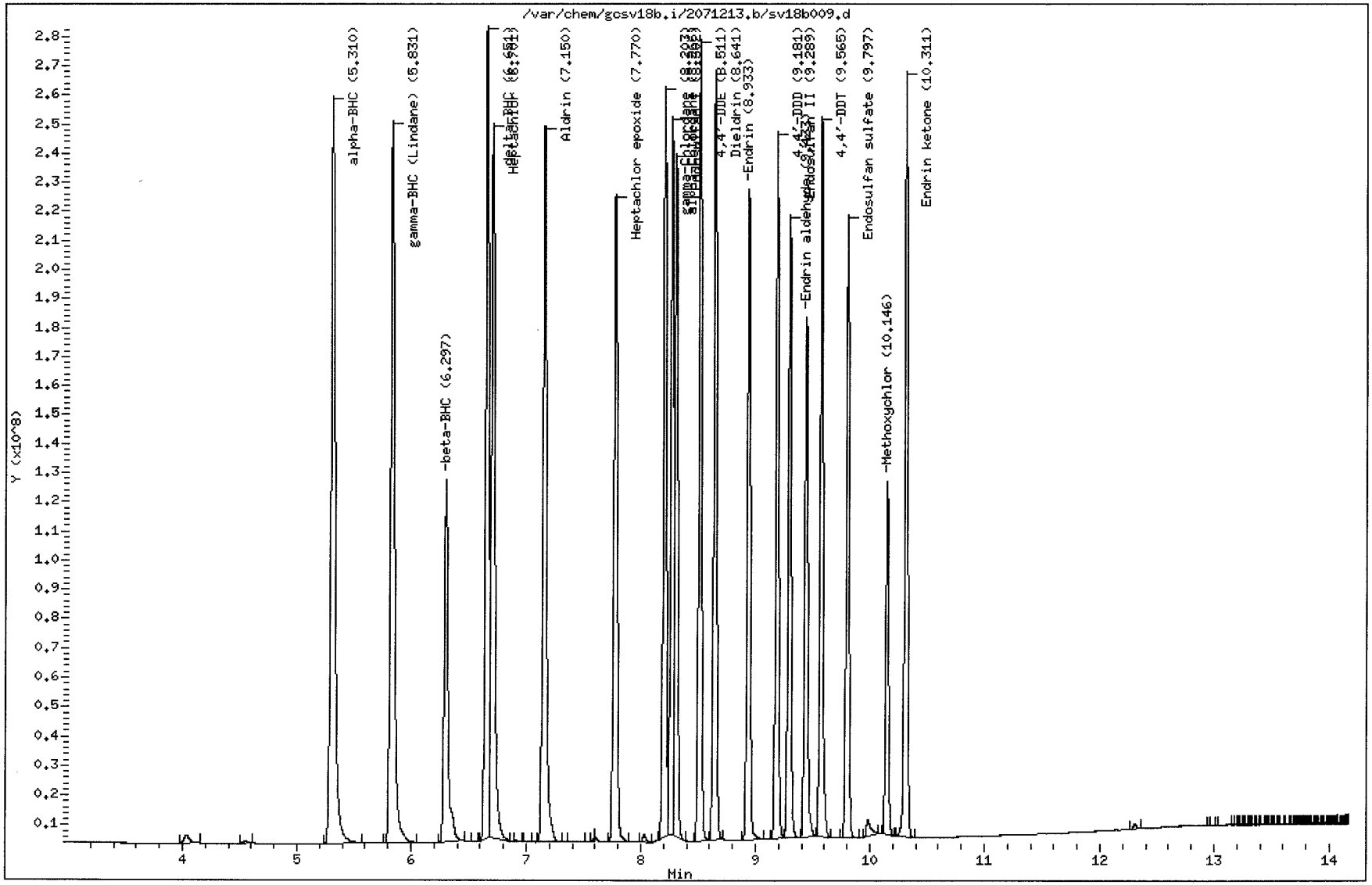
Data File: /var/chem/gcsv18b.i/2071213.b/sv18b009.d
Report Date: 13-Dec-2007 15:42

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
15 4,4'-DDD	9.181	9.181	0.000	401028285	66.5753	67
16 Endosulfan II	9.289	9.289	0.000	372250582	60.1057	60
18 Endrin aldehyde	9.433	9.433	0.000	319798491	62.6833	63
17 4,4'-DDT	9.565	9.566	-0.001	418798444	66.3068	66
20 Endosulfan sulfate	9.797	9.798	-0.001	364891410	66.1287	66
19 Methoxychlor	10.146	10.147	-0.001	196001202	71.8106	72
21 Endrin ketone	10.311	10.311	0.000	452312576	66.7669	67

169437

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b009.d
Date : 13-DEC-2007 14:14
Client ID:
Sample Info: 1600x1 80-4-9
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32

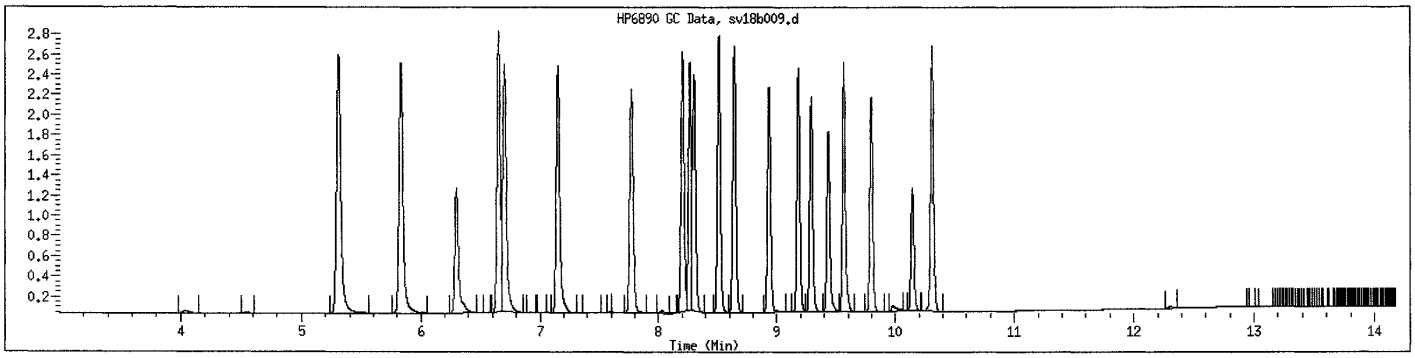


169438

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b009.d Page: 1
Report Date: 12/13/2007 15:42

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 12/13/2007 14:14	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1600*1 80-4-9		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

169439

Gulf Coast Analytical Laboratories, Inc.

Breakdown Calculation

DDT Breakdown Formula:

$$\frac{(\text{Area DDD}) + (\text{Area DDE})}{(\text{Area DDD}) + (\text{Area DDE}) + (\text{Area DDT})} \times 100$$

DDT Breakdown Calculation:

$$\frac{28933051 + 2701566}{28933051 + 2701566 + 420647764} \times 100 = 7.0\ \%$$

DDT Breakdown Criteria: < 15%

==========

Endrin Breakdown Formula:

$$\frac{(\text{Area Endrin ketone}) + (\text{Area Endrin aldehyde})}{(\text{Area End ket}) + (\text{Area End ald}) + (\text{Area Endrin})} \times 100$$

Endrin Breakdown Calculation:

$$\frac{42590747 + 17155352}{42590747 + 17155352 + 445422447} \times 100 = 11.8\ \%$$

Endrin Breakdown Criteria: < 15%

169440

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b002.d
Report Date: 28-Dec-2007 10:02

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071228.b/sv18b002.d
Lab Smp Id: deg
Inj Date : 28-DEC-2007 09:46
Operator : tls Inst ID: gcsv18b.i
Smp Info : deg*1 80-8-9
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Meth Date : 28-Dec-2007 10:01 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:58 Cal File: sv18b025.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

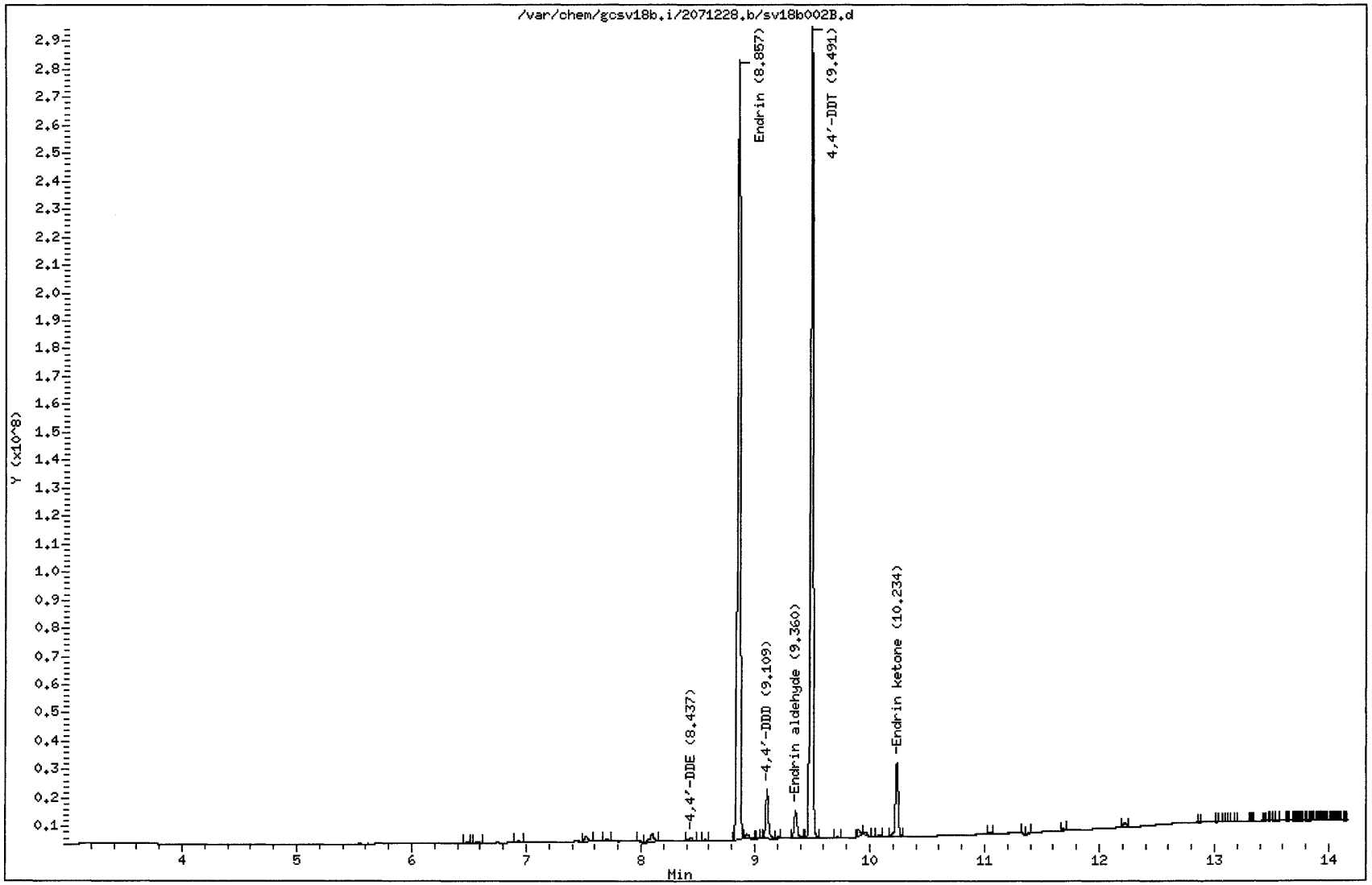
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.437	8.439	-0.002	2701566	0.37515	0.0038
15 4,4'-DDD	9.109	9.109	0.000	28933051	4.80322	0.048
17 4,4'-DDT	9.491	9.493	-0.002	420647764	66.5996	0.67
18 Endrin aldehyde	9.360	9.358	0.002	17155352	3.36260	0.034
21 Endrin ketone	10.234	10.235	-0.001	42590747	6.28692	0.063
14 Endrin	8.857	8.857	0.000	445422447	74.0917	0.74

169441

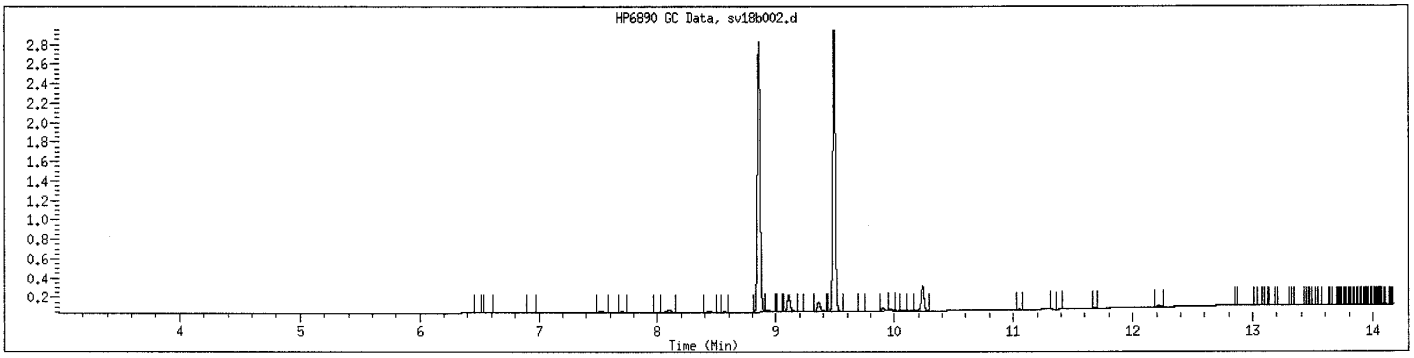
Data File: /var/chem/gcsv18b.i/2071228.b/sv18b002B.d
Date : 28-DEC-2007 09:46
Client ID:
Sample Info: deg*1 80-8-9
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: deg	SampleType	: SAMPLE
Injection Date	: 12/28/2007 09:46	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: deg*1 80-8-9		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071228.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: deg



NO MANUAL INTEGRATIONS

169443

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b003.d
Report Date: 31-Dec-2007 10:34

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18b.i Injection Date: 28-DEC-2007 11:12
Lab File ID: sv18b003.d Init. Cal. Date(s): 13-DEC-2007 13-DEC-2007
Analysis Type: WATER Init. Cal. Times: 12:27 18:58
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18b.i/2071228.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	7742132	7561861	0.010	2.32844	15.00000	Averaged
2 alpha-BHC	10438036	9813818	0.010	5.98023	15.00000	Averaged
3 gamma-BHC (Lindane)	8931564	8780332	0.010	1.69323	15.00000	Averaged
6 beta-BHC	4262327	3946299	0.010	7.41444	15.00000	Averaged
7 delta-BHC	7846241	8351207	0.010	-6.43578	15.00000	Averaged
4 Heptachlor	8255948	7885062	0.010	4.49234	15.00000	Averaged
5 Aldrin	8016564	8114616	0.010	-1.22312	15.00000	Averaged
8 Heptachlor epoxide	7278682	7262876	0.010	0.21716	15.00000	Averaged
10 gamma-Chlordane	7042203	7115227	0.010	-1.03696	15.00000	Averaged
11 alpha-Chlordane	6541279	6990975	0.010	-6.87474	15.00000	Averaged
9 Endosulfan I	6755425	6715656	0.010	0.58870	15.00000	Averaged
12 4,4'-DDE	7201358	7067919	0.010	1.85297	15.00000	Averaged
13 Dieldrin	7248744	7297038	0.010	-0.66623	15.00000	Averaged
14 Endrin	6011769	5944587	0.010	1.11750	15.00000	Averaged
15 4,4'-DDD	6023682	5970592	0.010	0.88135	15.00000	Averaged
16 Endosulfan II	6193267	5698457	0.010	7.98947	15.00000	Averaged
18 Endrin aldehyde	5101814	4940276	0.010	3.16628	15.00000	Averaged
17 4,4'-DDT	6316075	5997068	0.010	5.05071	15.00000	Averaged
20 Endosulfan sulfate	5517898	5478343	0.010	0.71686	15.00000	Averaged
19 Methoxychlor	2729419	2656865	0.010	2.65823	15.00000	Averaged
21 Endrin ketone	6774502	6738812	0.010	0.52683	15.00000	Averaged
$ 22 Decachlorobiphenyl	5792833	5348732	0.010	7.66639	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 3.20809
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

169444

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b003.d
Report Date: 31-Dec-2007 10:34

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071228.b/sv18b003.d
Lab Smp Id: 1400
Inj Date : 28-DEC-2007 11:12
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1400*1 80-9-8
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Meth Date : 31-Dec-2007 10:34 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:58 Cal File: sv18b025.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.524	4.522	0.002	453711688	60.0000	59
2	alpha-BHC	5.231	5.231	0.000	588829050	60.0000	56
3	gamma-BHC (Lindane)	5.754	5.754	0.000	526819926	60.0000	59
6	beta-BHC	6.224	6.224	0.000	236777955	60.0000	56
7	delta-BHC	6.577	6.577	0.000	501072435	60.0000	64
4	Heptachlor	6.625	6.626	-0.001	473103727	60.0000	57
5	Aldrin	7.073	7.074	-0.001	486876956	60.0000	61
8	Heptachlor epoxide	7.694	7.695	-0.001	435772532	60.0000	60
10	gamma-Chlordane	8.127	8.128	-0.001	426913642	60.0000	61
11	alpha-Chlordane	8.189	8.190	-0.001	419458486	60.0000	64
9	Endosulfan I	8.225	8.226	-0.001	402939353	60.0000	60
12	4,4'-DDE	8.437	8.439	-0.002	848150240	120.000	120
13	Dieldrin	8.565	8.566	-0.001	875644508	120.000	120

169445

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b003.d
Report Date: 31-Dec-2007 10:34

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	8.857	8.857	0.000	713350457	120.000	120
15 4,4'-DDD	9.107	9.109	-0.002	716471044	120.000	120
16 Endosulfan II	9.212	9.214	-0.002	683814899	120.000	110
18 Endrin aldehyde	9.357	9.358	-0.001	592833107	120.000	120
17 4,4'-DDT	9.492	9.493	-0.001	719648149	120.000	110
20 Endosulfan sulfate	9.722	9.723	-0.001	657401139	120.000	120
19 Methoxychlor	10.075	10.076	-0.001	1594119200	600.000	580(M2)
21 Endrin ketone	10.233	10.235	-0.002	808657380	120.000	120
$ 22 Decachlorobiphenyl	12.061	12.062	-0.001	320923916	60.0000	55

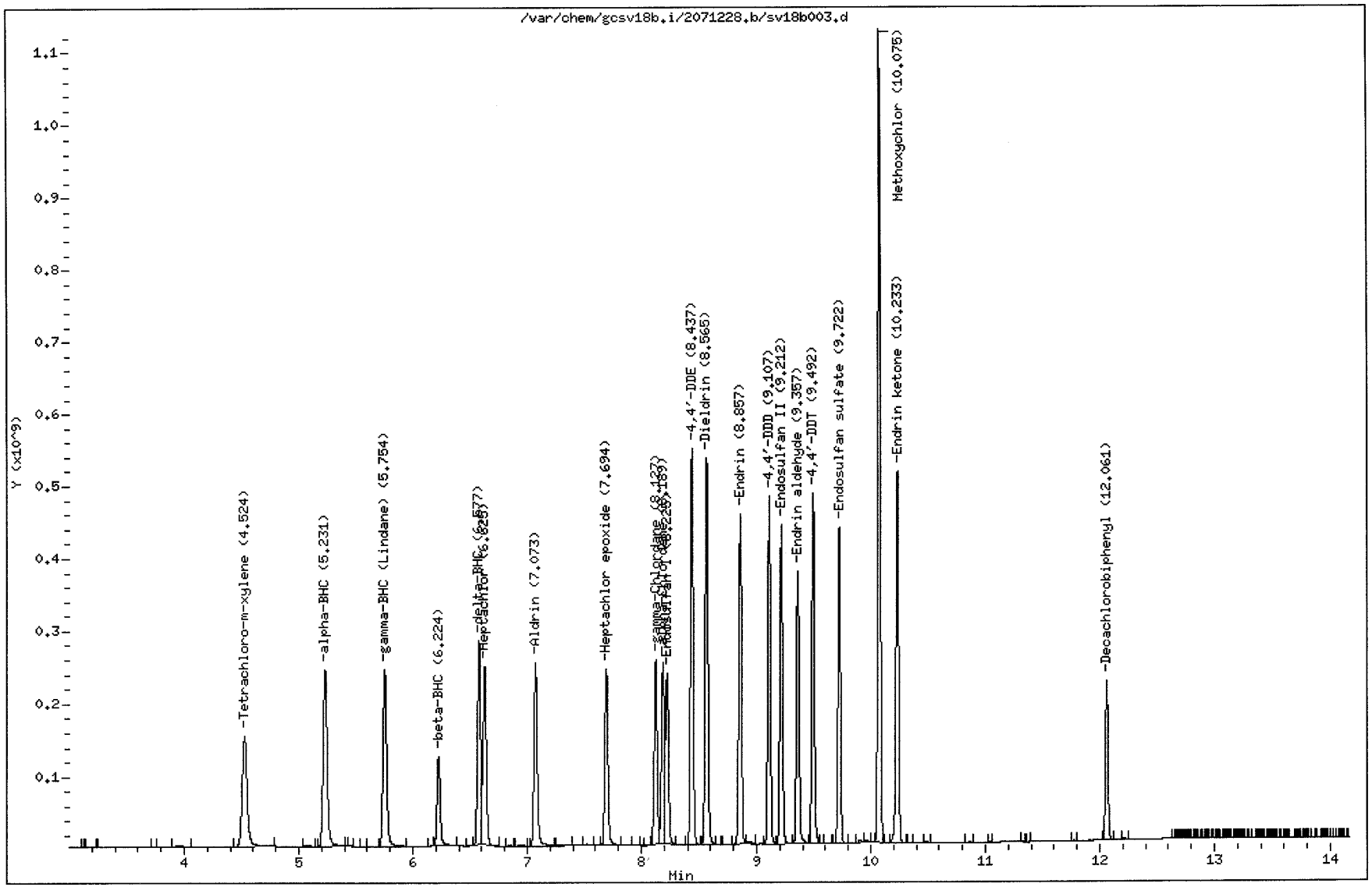
QC Flag Legend

M2- Compound response manually integrated because Target system integrated incorrectly.

169446

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b003.d
Date : 28-DEC-2007 11:12
Client ID:
Sample Info: 1400x1 80-9-8
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32

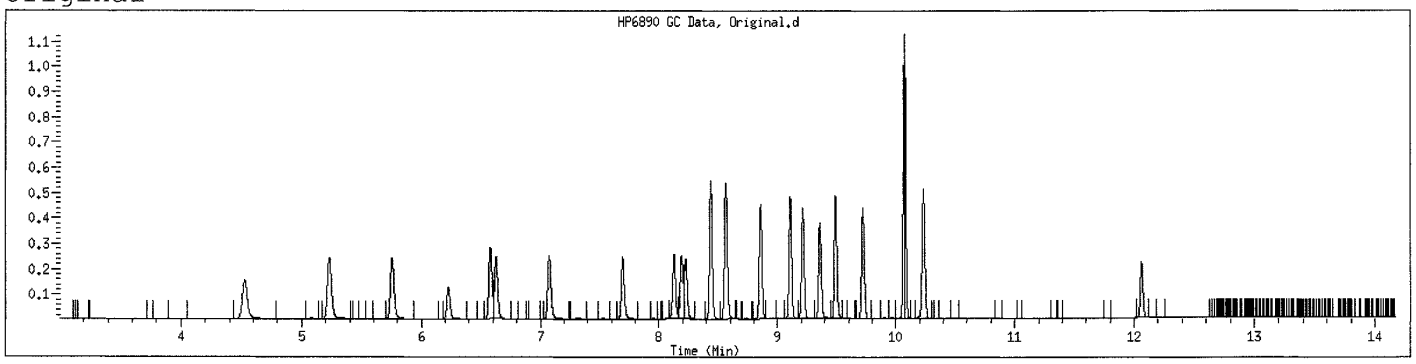


Data file : /var/chem/gcsv18b.i/2071228.b/sv18b003.d Page: 1
Report Date: 12/31/2007 10:34

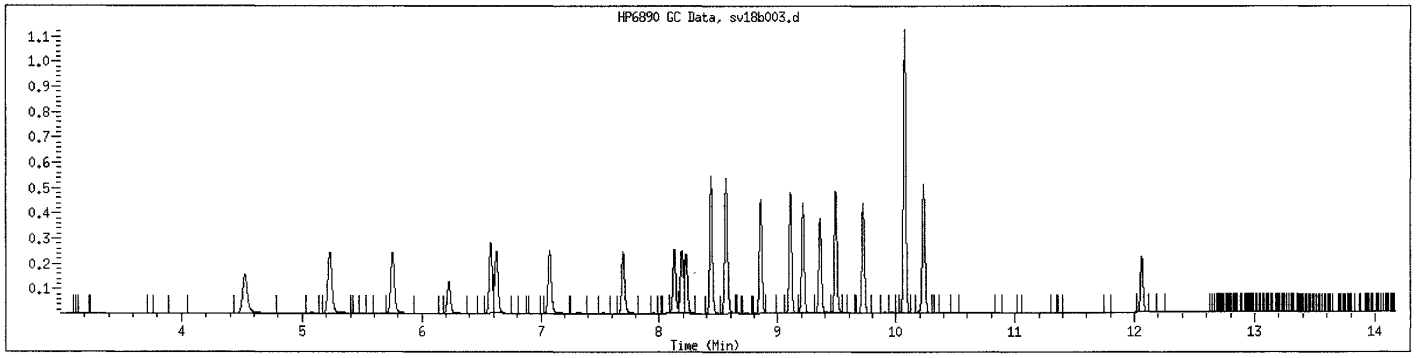
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 12/28/2007 11:12	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1400*1 80-9-8		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071228.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



169448

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b012.d
Report Date: 31-Dec-2007 10:35

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18b.i Injection Date: 28-DEC-2007 14:35
Lab File ID: sv18b012.d Init. Cal. Date(s): 13-DEC-2007 13-DEC-2007
Analysis Type: WATER Init. Cal. Times: 12:27 18:58
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18b.i/2071228.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	7742132	7616389	0.010	1.62414	15.00000	Averaged
2 alpha-BHC	10438036	10040067	0.010	3.81268	15.00000	Averaged
3 gamma-BHC (Lindane)	8931564	8976810	0.010	-0.50659	15.00000	Averaged
6 beta-BHC	4262327	4079755	0.010	4.28339	15.00000	Averaged
7 delta-BHC	7846241	8480994	0.010	-8.08990	15.00000	Averaged
4 Heptachlor	8255948	7852438	0.010	4.88750	15.00000	Averaged
5 Aldrin	8016564	8205336	0.010	-2.35478	15.00000	Averaged
8 Heptachlor epoxide	7278682	7342636	0.010	-0.87864	15.00000	Averaged
10 gamma-Chlordane	7042203	7301175	0.010	-3.67744	15.00000	Averaged
11 alpha-Chlordane	6541279	7016172	0.010	-7.25994	15.00000	Averaged
9 Endosulfan I	6755425	6740802	0.010	0.21647	15.00000	Averaged
12 4,4'-DDE	7201358	6963490	0.010	3.30309	15.00000	Averaged
13 Dieldrin	7248744	7233452	0.010	0.21095	15.00000	Averaged
14 Endrin	6011769	5711399	0.010	4.99636	15.00000	Averaged
15 4,4'-DDD	6023682	6014204	0.010	0.15734	15.00000	Averaged
16 Endosulfan II	6193267	5941135	0.010	4.07107	15.00000	Averaged
18 Endrin aldehyde	5101814	5017835	0.010	1.64606	15.00000	Averaged
17 4,4'-DDT	6316075	5748158	0.010	8.99162	15.00000	Averaged
20 Endosulfan sulfate	5517898	5392381	0.010	2.27473	15.00000	Averaged
19 Methoxychlor	2729419	2516421	0.010	7.80381	15.00000	Averaged
21 Endrin ketone	6774502	6794597	0.010	-0.29664	15.00000	Averaged
$ 22 Decachlorobiphenyl	5792833	5402289	0.010	6.74185	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 3.54932
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

169449

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b012.d
Report Date: 31-Dec-2007 10:35

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071228.b/sv18b012.d
Lab Smp Id: 1400
Inj Date : 28-DEC-2007 14:35
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1400*1 80-9-8
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Meth Date : 31-Dec-2007 10:35 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:58 Cal File: sv18b025.d
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.523	4.522	0.001	456983318	60.0000	59
2	alpha-BHC	5.230	5.231	-0.001	602404011	60.0000	58
3	gamma-BHC (Lindane)	5.754	5.754	0.000	538608576	60.0000	60
6	beta-BHC	6.223	6.224	-0.001	244785304	60.0000	57
7	delta-BHC	6.576	6.577	-0.001	508859629	60.0000	65
4	Heptachlor	6.625	6.626	-0.001	471146303	60.0000	57
5	Aldrin	7.073	7.074	-0.001	492320172	60.0000	61
8	Heptachlor epoxide	7.694	7.695	-0.001	440558137	60.0000	61
10	gamma-Chlordane	8.126	8.128	-0.002	438070524	60.0000	62
11	alpha-Chlordane	8.190	8.191	-0.001	420970310	60.0000	64
9	Endosulfan I	8.225	8.226	-0.001	404448096	60.0000	60
12	4,4'-DDE	8.437	8.439	-0.002	835618846	120.000	120
13	Dieldrin	8.565	8.566	-0.001	868014298	120.000	120

169450

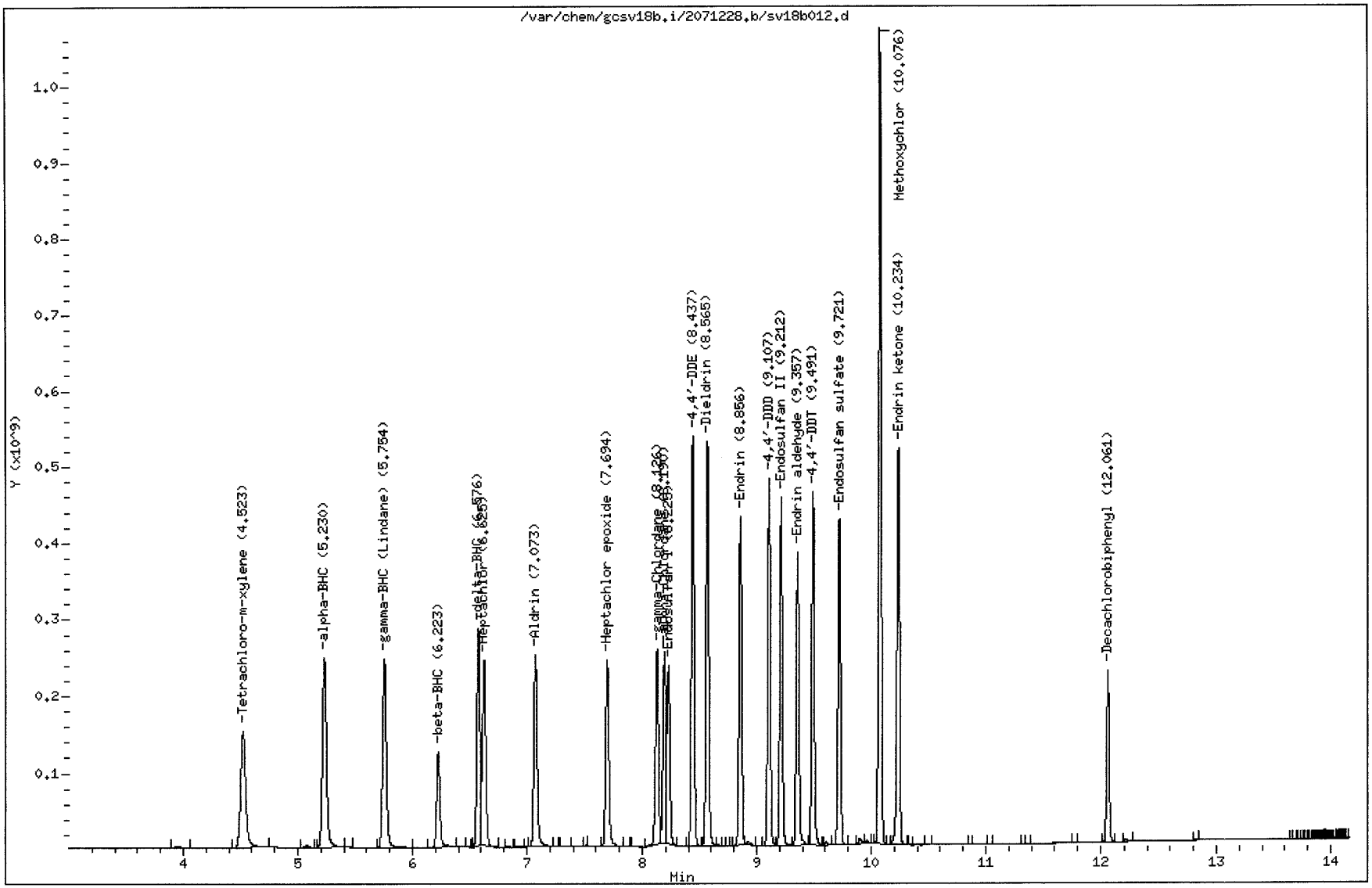
Data File: /var/chem/gcsv18b.i/2071228.b/sv18b012.d
Report Date: 31-Dec-2007 10:35

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	8.856	8.857	-0.001	685367907	120.000	110
	15 4,4'-DDD	9.107	9.109	-0.002	721704443	120.000	120
	16 Endosulfan II	9.212	9.214	-0.002	712936175	120.000	120
	18 Endrin aldehyde	9.357	9.358	-0.001	602140157	120.000	120
	17 4,4'-DDT	9.491	9.493	-0.002	689778906	120.000	110
	20 Endosulfan sulfate	9.721	9.723	-0.002	647085755	120.000	120
	19 Methoxychlor	10.076	10.076	0.000	1509852387	600.000	550
	21 Endrin ketone	10.234	10.235	-0.001	815351682	120.000	120
$	22 Decachlorobiphenyl	12.061	12.062	-0.001	324137329	60.0000	56

169451

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b012.d
Date : 28-DEC-2007 14:35
Client ID:
Sample Info: 1400x1 80-9-8
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32

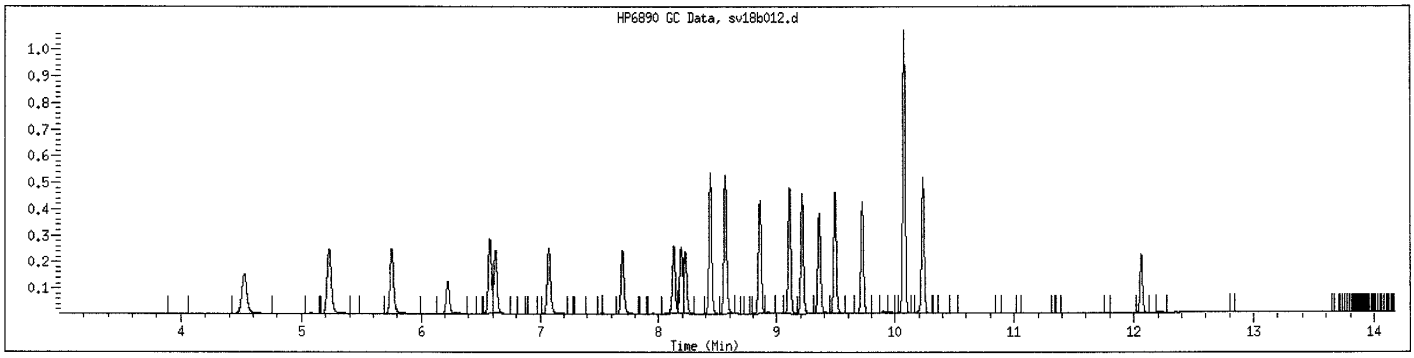


GSA

169452

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 12/28/2007 14:35	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1400*1 80-9-8		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071228.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

169453

Report Date : 09-Jan-2008 14:23

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-DEC-2007 17:05
End Cal Date : 31-DEC-2007 13:30
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Cal Date : 09-Jan-2008 07:37 dlb
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv16a.i/2071230.b/sv16a027.d
Level 2: /var/chem/gcsv16a.i/2071230.b/sv16a028.d
Level 3: /var/chem/gcsv16a.i/2071230.b/sv16a029.d
Level 4: /var/chem/gcsv16a.i/2071230.b/sv16a030.d
Level 5: /var/chem/gcsv16a.i/2071230.b/sv16a031.d
Level 6: /var/chem/gcsv16a.i/2071230.b/sv16a018.d

		5.000	20.000	60.000	80.000	100.000	2.500	___	
	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	% RSD
	2 alpha-BHC	9749124	9714187	10044281	9784752	10009141	9300078	9766927	2.736
	3 gamma-BHC (Lindane)	8371926	8361358	8667258	8446260	8649304	+++++	8499221	1.753
	4 Heptachlor	7624657	7300046	7510015	7319894	7489114	+++++	7448745	1.839
	5 Aldrin	7505293	7530284	7689658	7487584	7645252	+++++	7571614	1.191
	6 beta-BHC	4092907	3781936	3856417	3711161	3762770	+++++	3841038	3.909
	7 delta-BHC	8268429	8135210	8544789	8267006	8540068	+++++	8351100	2.190
	8 Heptachlor epoxide	6918290	6841662	6928646	6714901	6857955	+++++	6852291	1.247
	9 Endosulfan I	6580222	6270422	6177300	6212430	6294569	+++++	6306988	2.531
	10 gamma-Chlordane	6927758	6784652	6933208	6752175	6906740	+++++	6860907	1.250
	11 alpha-Chlordane	6519650	6295210	6491275	6321747	6529238	+++++	6431424	1.765
	12 4,4'-DDE	6822949	6726053	6947364	6804958	7002989	+++++	6860863	1.636
	13 Dieldrin	6992778	6915690	7128595	6985993	7202105	+++++	7045032	1.658
	14 Endrin	5916533	5770375	5945122	5790848	5998847	+++++	5884345	1.690
	15 4,4'-DDD	5865355	5738023	5991909	5862176	6045117	+++++	5900516	2.047
	16 Endosulfan II	5815973	5804142	5994395	5868928	6042299	+++++	5905148	1.821
	17 4,4'-DDT	4147941	4699815	5301649	5305966	5556529	+++++	5002380	11.442
	18 Endrin aldehyde	4618890	4546110	4730069	4639289	4780826	+++++	4663037	1.993
	19 Methoxychlor	2566013	2621856	2878562	2878640	2954941	+++++	2780002	6.252
	20 Endosulfan sulfate	5251428	5184986	5396805	5285086	5458790	+++++	5315419	2.087
	21 Endrin ketone	5718368	5840497	6191941	6111343	6363529	+++++	6045135	4.345
M	23 AR 1016-AVG	1263845	1203683	1145825	1104658	1013515	1305736	1172877	9.156

169454

Report Date : 09-Jan-2008 14:23

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-DEC-2007 17:05
End Cal Date : 31-DEC-2007 13:30
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Cal Date : 09-Jan-2008 07:37 dlb
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	24 AR 1016-PEAK1	141737	131758	123217	115939	103925	146758	127222	12.670
	25 AR 1016-PEAK2	312459	298167	279959	265403	240265	324626	286813	10.902
	26 AR 1016-PEAK3	608747	583033	559370	544482	503300	634641	572262	8.208
	27 AR 1016-PEAK4	200902	190725	183279	178834	166025	199711	186579	7.143
M	28 AR 1260-AVG	1628538	1597629	1547265	1542309	1459329	1644995	1570011	4.352
	29 AR 1260-PEAK1	210398	203442	193789	190203	177086	211977	197816	6.761
	30 AR 1260-PEAK2	346170	331064	316011	309969	289884	364285	326231	8.178
	31 AR 1260-PEAK3	392438	381354	368481	364166	341094	397334	374144	5.540
	32 AR 1260-PEAK4	679532	681769	668984	677971	651265	671400	671820	1.667
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	200623	+++++	+++++	+++++	200623	0.000
	38 AR 1221-PEAK1	+++++	+++++	57297	+++++	+++++	+++++	57297	0.000
	39 AR 1221-PEAK2	+++++	+++++	20765	+++++	+++++	+++++	20765	0.000
	40 AR 1221-PEAK3	+++++	+++++	75344	+++++	+++++	+++++	75344	0.000
	41 AR 1221-PEAK4	+++++	+++++	47217	+++++	+++++	+++++	47217	0.000
M	42 AR 1232-AVG	+++++	+++++	565255	+++++	+++++	+++++	565255	0.000
	43 AR 1232-PEAK1	+++++	+++++	118066	+++++	+++++	+++++	118066	0.000
	44 AR 1232-PEAK2	+++++	+++++	130503	+++++	+++++	+++++	130503	0.000
	45 AR 1232-PEAK3	+++++	+++++	237522	+++++	+++++	+++++	237522	0.000
	46 AR 1232-PEAK4	+++++	+++++	79164	+++++	+++++	+++++	79164	0.000
M	47 AR 1242-AVG	+++++	+++++	846472	+++++	+++++	+++++	846472	0.000
	48 AR 1242-PEAK1	+++++	+++++	90526	+++++	+++++	+++++	90526	0.000
	49 AR 1242-PEAK2	+++++	+++++	208700	+++++	+++++	+++++	208700	0.000
	50 AR 1242-PEAK3	+++++	+++++	411272	+++++	+++++	+++++	411272	0.000
	51 AR 1242-PEAK4	+++++	+++++	135973	+++++	+++++	+++++	135973	0.000
M	52 AR 1248-AVG	+++++	+++++	909537	+++++	+++++	+++++	909537	0.000

169455

Report Date : 09-Jan-2008 14:23

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-DEC-2007 17:05
End Cal Date : 31-DEC-2007 13:30
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Cal Date : 09-Jan-2008 07:37 dlb
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	53 AR 1248-PEAK1	+++++	+++++	270782	+++++	+++++	+++++	270782	0.000
	54 AR 1248-PEAK2	+++++	+++++	163377	+++++	+++++	+++++	163377	0.000
	55 AR 1248-PEAK3	+++++	+++++	205306	+++++	+++++	+++++	205306	0.000
	56 AR 1248-PEAK4	+++++	+++++	270072	+++++	+++++	+++++	270072	0.000
M	57 AR 1254-AVG	+++++	+++++	773831	+++++	+++++	+++++	773831	0.000
	58 AR 1254-PEAK1	+++++	+++++	102457	+++++	+++++	+++++	102457	0.000
	59 AR 1254-PEAK2	+++++	+++++	90532	+++++	+++++	+++++	90532	0.000
	60 AR 1254-PEAK3	+++++	+++++	191955	+++++	+++++	+++++	191955	0.000
	61 AR 1254-PEAK4	+++++	+++++	388888	+++++	+++++	+++++	388888	0.000
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	722280	+++++	722280	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	213906	+++++	213906	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	206209	+++++	206209	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	147215	+++++	147215	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	154949	+++++	154949	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	1983312	+++++	1983312	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	278601	+++++	278601	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	339513	+++++	339513	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	734861	+++++	734861	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	630338	+++++	630338	0.000
	73 CHLORDANE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	74 AR 1268-AVG	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	75 AR 1268-PEAK1	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	76 AR 1268-PEAK2	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	77 AR 1268-PEAK3	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	78 AR 1268 PEAK4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	79 AR 1262-AVG	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	80 AR 1262-PEAK1	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	81 AR 1262-PEAK2	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

169456

Report Date : 09-Jan-2008 14:23

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-DEC-2007 17:05
End Cal Date : 31-DEC-2007 13:30
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Cal Date : 09-Jan-2008 07:37 dlb
Curve Type : Average

Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
82 AR 1262-PEAK3	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
83 AR 1262-PEAK4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
84 Diallate	405381	273036	300116	281705	264933	+++++	305034	18.882
85 Isodrin	7404208	5435227	6853184	6579582	6317778	+++++	6517996	11.153
86 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
173 Kepone	86609	65214	80517	76217	73785	+++++	76468	10.404
$ 1 Tetrachloro-m-xylene	7602313	7575899	7578177	7363690	7351196	+++++	7494255	1.673
$ 22 Decachlorobiphenyl	6137934	5093005	5109848	4943837	5099963	+++++	5276917	9.213

169457

Report Date : 09-Jan-2008 14:23

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-DEC-2007 17:05
End Cal Date : 31-DEC-2007 13:30
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Cal Date : 09-Jan-2008 07:37 dlb
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 5.17954
Maximun Average %RSD = 20.00000
* Passed Average %RSD Test.

169458

Gulf Coast Analytical Laboratories, Inc.

Breakdown Calculation

DDT Breakdown Formula:

$$\frac{(\text{Area DDD}) + (\text{Area DDE})}{(\text{Area DDD}) + (\text{Area DDE}) + (\text{Area DDT})} \times 100$$

DDT Breakdown Calculation:

$$\frac{12759979 + 2711252}{12759979 + 2711252 + 376525941} \times 100 = 3.9\ \%$$

DDT Breakdown Criteria: < 15%

==========

Endrin Breakdown Formula:

$$\frac{(\text{Area Endrin ketone}) + (\text{Area Endrin aldehyde})}{(\text{Area End ket}) + (\text{Area End ald}) + (\text{Area Endrin})} \times 100$$

Endrin Breakdown Calculation:

$$\frac{9912582 + 3102910}{9912582 + 3102910 + 439252043} \times 100 = 2.9\ \%$$

Endrin Breakdown Criteria: < 15%

169459

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a002.d
Report Date: 02-Jan-2008 10:37

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a002.d
Lab Smp Id: deg
Inj Date : 30-DEC-2007 16:46
Operator : tls Inst ID: gcsv16a.i
Smp Info : deg*1 80-8-9
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 02-Jan-2008 10:36 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

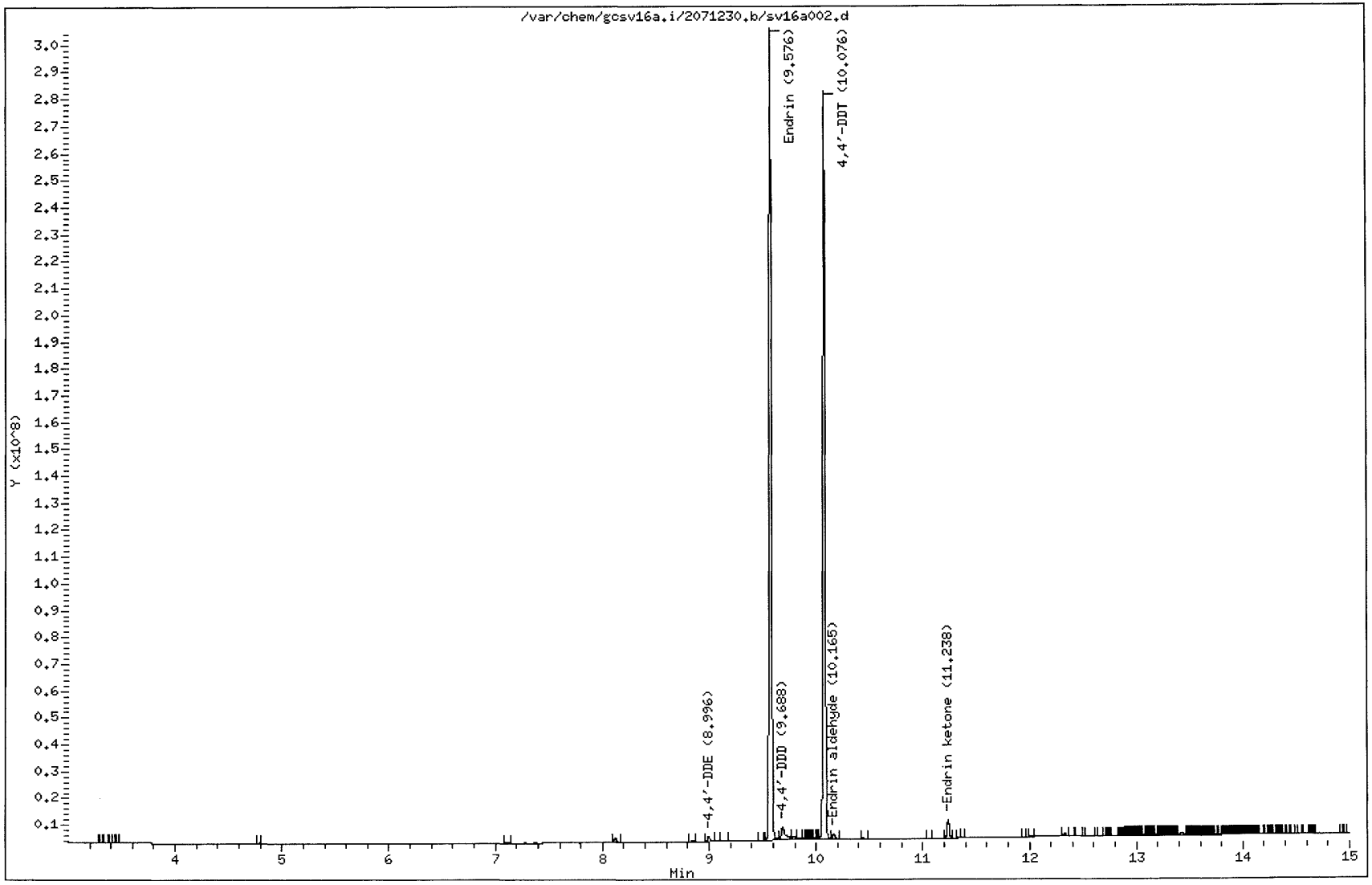
					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/L)
12 4,4'-DDE	8.996	8.992	0.004	2711252	0.39518	0.0040
15 4,4'-DDD	9.688	9.682	0.006	12759979	2.16252	0.022
17 4,4'-DDT	10.076	10.077	-0.001	376525941	75.2694	0.75
18 Endrin aldehyde	10.165	10.161	0.004	3102910	0.66543	0.0067
21 Endrin ketone	11.238	11.238	0.000	9912582	1.63976	0.016
14 Endrin	9.576	9.575	0.001	439252043	74.6476	0.75

169460

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a002.d
Date : 30-DEC-2007 16:46
Client ID:
Sample Info: deg*1 80-8-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

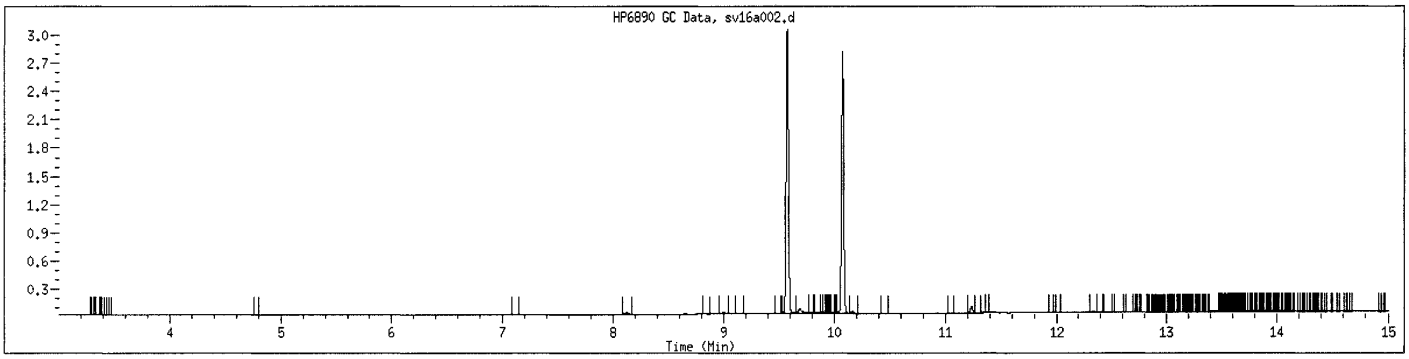
Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: deg	SampleType	: SAMPLE
Injection Date	: 12/30/2007 16:46	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: deg*1 80-8-9		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2071230.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: deg



NO MANUAL INTEGRATIONS

169462

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a003.d
Report Date: 09-Jan-2008 14:25

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a003.d
Lab Smp Id: 1206
Inj Date : 30-DEC-2007 17:05
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1206*1 2.5
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 14:23 dlb Quant Type: ESTD
Cal Date : 30-DEC-2007 21:46 Cal File: sv16a018.d
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

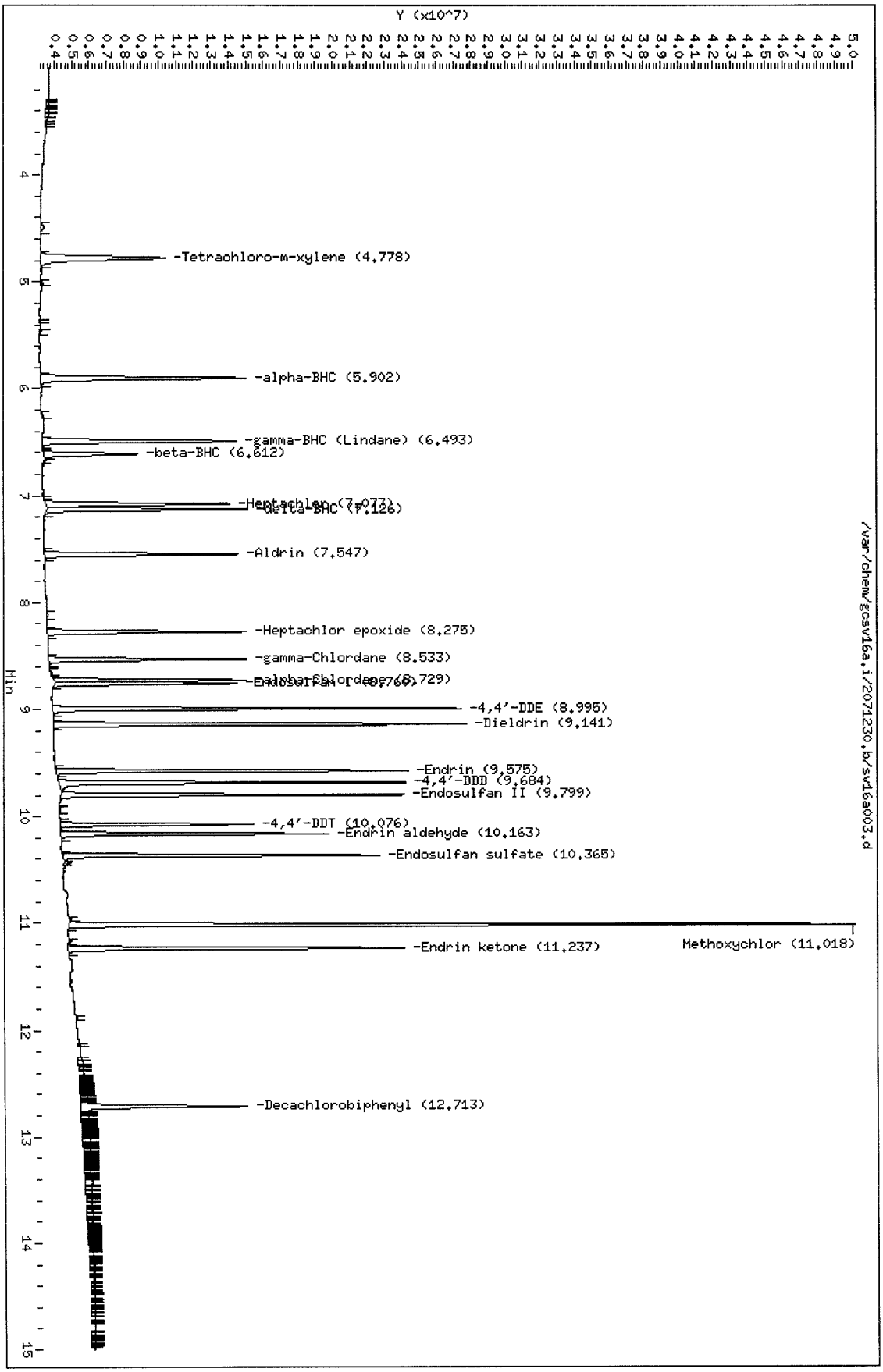
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.778	4.778	0.000	19577307	2.50000	2.6
2	alpha-BHC	5.902	5.901	0.001	23250195	2.50000	2.4
3	gamma-BHC (Lindane)	6.493	6.492	0.001	20067772	2.50000	2.4
6	beta-BHC	6.612	6.611	0.001	9739325	2.50000	2.5
4	Heptachlor	7.077	7.078	-0.001	17836253	2.50000	2.4
7	delta-BHC	7.126	7.127	-0.001	19169361	2.50000	2.3
5	Aldrin	7.547	7.548	-0.001	18571486	2.50000	2.5
8	Heptachlor epoxide	8.275	8.277	-0.002	17755725	2.50000	2.6
10	gamma-Chlordane	8.533	8.532	0.001	17376142	2.50000	2.5
11	alpha-Chlordane	8.729	8.729	0.000	16027836	2.50000	2.5
9	Endosulfan I	8.760	8.760	0.000	15651100	2.50000	2.5
12	4,4'-DDE	8.995	8.993	0.002	33409860	5.00000	4.9
13	Dieldrin	9.141	9.141	0.000	34407226	5.00000	4.9
14	Endrin	9.575	9.575	0.000	29320736	5.00000	5.0

169463

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a003.d
Report Date: 09-Jan-2008 14:25

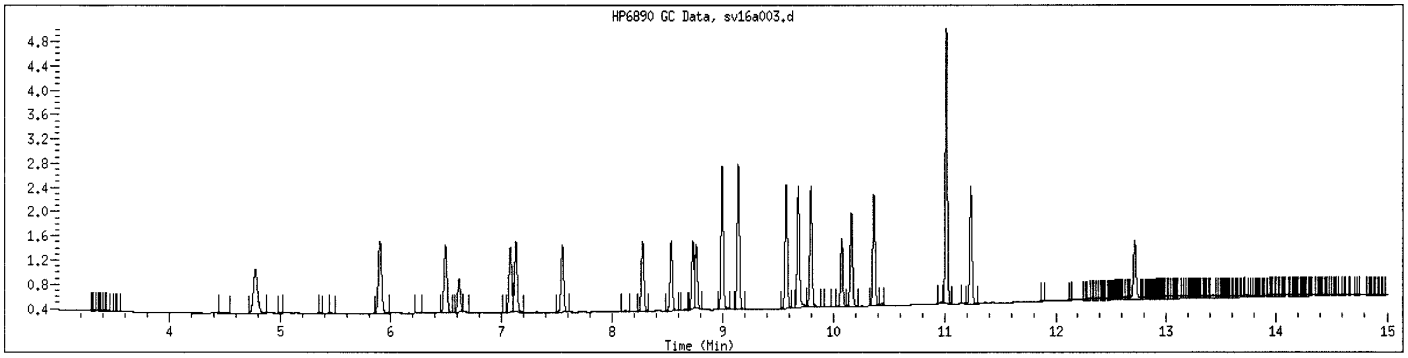
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	15 4,4'-DDD	9.684	9.682	0.002	28829583	5.00000	4.9
	16 Endosulfan II	9.799	9.799	0.000	28883797	5.00000	4.9
	17 4,4'-DDT	10.076	10.077	-0.001	14985624	5.00000	3.0
	18 Endrin aldehyde	10.163	10.162	0.001	22694191	5.00000	4.9
	20 Endosulfan sulfate	10.365	10.367	-0.002	25901771	5.00000	4.9
	19 Methoxychlor	11.018	11.018	0.000	59620879	25.0000	21
	21 Endrin ketone	11.237	11.238	-0.001	27648271	5.00000	4.6
$	22 Decachlorobiphenyl	12.713	12.712	0.001	15958675	2.50000	3.0

169464


Data File: /var/chem/gcsv16a.i/20071230.b/sv16a003.d
Date : 30-DEC-2007 17:05
Client ID:
Sample Info: 1206x1 2.5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
Y (x10^7)
Min
/var/chem/gcsv16a.i/20071230.b/sv16a003.d
-Tetrachloro-m-xylene (4.778)
-alpha-BHC (5.902)
-gamma-BHC (Lindane) (6.493)
-beta-BHC (6.612)
-Heptachlor (7.077)
-delta-BHC (7.126)
-Aldrin (7.547)
-Heptachlor epoxide (8.275)
-gamma-Chlordane (8.533)
-alpha-Chlordane (8.729)
-Endosulfan I (8.760)
-4,4'-DDE (8.995)
-Dieldrin (9.141)
-Endrin (9.575)
-4,4'-DDD (9.684)
-Endosulfan II (9.799)
-4,4'-DDT (10.076)
-Endrin aldehyde (10.163)
-Endosulfan sulfate (10.365)
-Endrin ketone (11.237)
Methoxychlor (11.018)
-Decachlorobiphenyl (12.713)

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1206	SampleType	: CALIB_6
Injection Date	: 12/30/2007 17:05	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1206*1 2.5		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2071230.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

169466

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a004.d
Report Date: 09-Jan-2008 14:25

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a004.d
Lab Smp Id: 1201
Inj Date : 30-DEC-2007 17:23
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1201*1 5
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 14:23 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

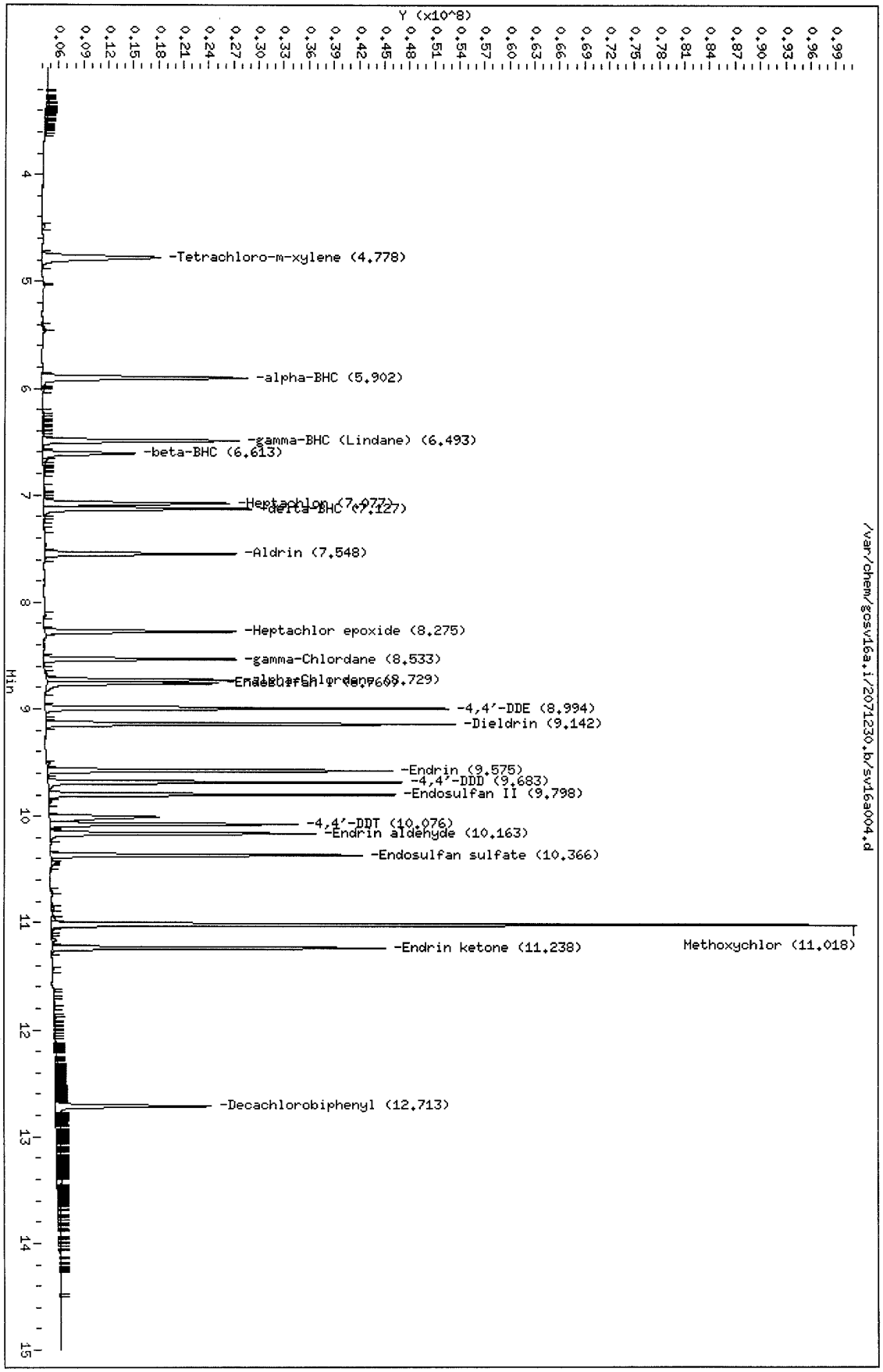
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.778	4.778	0.000	38011564	5.00000	5.1
2	alpha-BHC	5.902	5.901	0.001	48745621	5.00000	5.0
3	gamma-BHC (Lindane)	6.493	6.492	0.001	41859629	5.00000	4.9
6	beta-BHC	6.613	6.611	0.002	20464534	5.00000	5.3
4	Heptachlor	7.077	7.078	-0.001	38123283	5.00000	5.1
7	delta-BHC	7.127	7.127	0.000	41342144	5.00000	5.0
5	Aldrin	7.548	7.548	0.000	37526467	5.00000	5.0
8	Heptachlor epoxide	8.275	8.277	-0.002	34591448	5.00000	5.0
10	gamma-Chlordane	8.533	8.532	0.001	34638791	5.00000	5.0
11	alpha-Chlordane	8.729	8.729	0.000	32598252	5.00000	5.1
9	Endosulfan I	8.760	8.760	0.000	32901108	5.00000	5.2
12	4,4'-DDE	8.994	8.993	0.001	68229494	10.0000	9.9
13	Dieldrin	9.142	9.141	0.001	69927775	10.0000	9.9
14	Endrin	9.575	9.575	0.000	59165332	10.0000	10

169467

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a004.d
Report Date: 09-Jan-2008 14:25

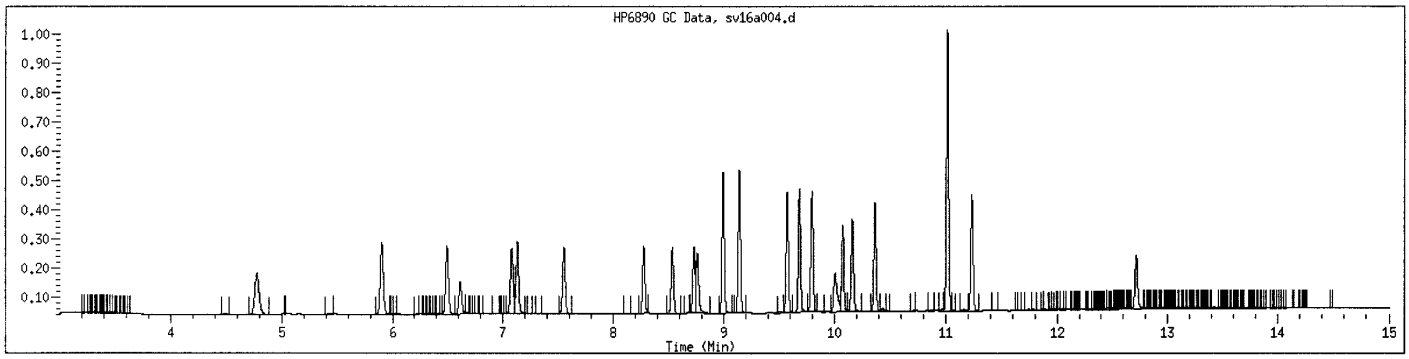
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	15 4,4'-DDD	9.683	9.682	0.001	58653547	10.0000	9.9
	16 Endosulfan II	9.798	9.799	-0.001	58159730	10.0000	9.8
	17 4,4'-DDT	10.076	10.077	-0.001	41479406	10.0000	8.3
	18 Endrin aldehyde	10.163	10.162	0.001	46188900	10.0000	9.9
	20 Endosulfan sulfate	10.366	10.367	-0.001	52514276	10.0000	9.9
	19 Methoxychlor	11.018	11.018	0.000	128300645	50.0000	46
	21 Endrin ketone	11.238	11.238	0.000	57183675	10.0000	9.5
$	22 Decachlorobiphenyl	12.713	12.712	0.001	30689671	5.00000	5.8

169468


Data File: /var/chem/gcsv16a.i/2071230.b/sv16a004.d
Date : 30-DEC-2007 17:23
Client ID:
Sample Info: 1201x1 5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
Min
/var/chem/gcsv16a.i/2071230.b/sv16a004.d
-Tetrachloro-m-xylene (4.778)
-alpha-BHC (5.902)
-gamma-BHC (Lindane) (6.493)
-beta-BHC (6.613)
-Heptachlor (7.077)
-delta-BHC (7.127)
-Aldrin (7.548)
-Heptachlor epoxide (8.275)
-gamma-Chlordane (8.533)
-Endosulfan I (8.729)
-4,4'-DDE (8.994)
-Dieldrin (9.142)
-Endrin (9.575)
-4,4'-DDD (9.683)
-Endosulfan II (9.798)
-4,4'-DDT (10.076)
-Endrin aldehyde (10.163)
-Endosulfan sulfate (10.366)
-Endrin ketone (11.238)
Methoxychlor (11.018)
-Decachlorobiphenyl (12.713)

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1201	SampleType	: CALIB_1
Injection Date	: 12/30/2007 17:23	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1201*1 5		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2071230.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a005.d
Report Date: 09-Jan-2008 14:25

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a005.d
Lab Smp Id: 1202
Inj Date : 30-DEC-2007 17:42
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1202*1 20
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 14:23 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 12:34 Cal File: sv16a028.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

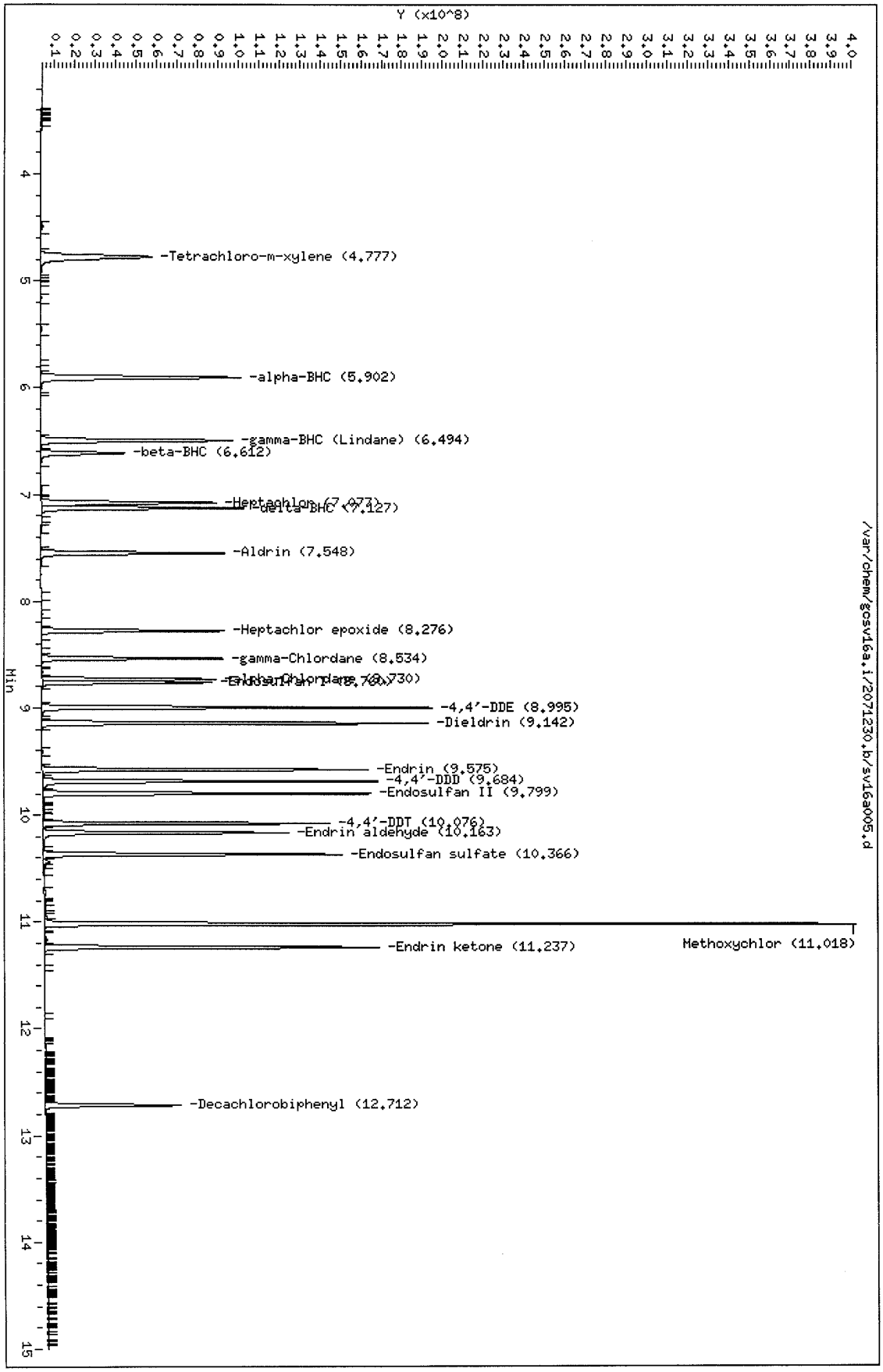
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1 Tetrachloro-m-xylene	4.777	4.778	-0.001	151517978	20.0000	20
2 alpha-BHC	5.902	5.901	0.001	194283746	20.0000	20
3 gamma-BHC (Lindane)	6.494	6.492	0.002	167227159	20.0000	20
6 beta-BHC	6.612	6.611	0.001	75638717	20.0000	20
4 Heptachlor	7.077	7.078	-0.001	146000911	20.0000	20
7 delta-BHC	7.127	7.127	0.000	162704194	20.0000	19
5 Aldrin	7.548	7.548	0.000	150605684	20.0000	20
8 Heptachlor epoxide	8.276	8.277	-0.001	136833249	20.0000	20
10 gamma-Chlordane	8.534	8.532	0.002	135693048	20.0000	20
11 alpha-Chlordane	8.730	8.729	0.001	125904201	20.0000	20
9 Endosulfan I	8.760	8.760	0.000	125408433	20.0000	20
12 4,4'-DDE	8.995	8.993	0.002	269042138	40.0000	39
13 Dieldrin	9.142	9.141	0.001	276627616	40.0000	39
14 Endrin	9.575	9.575	0.000	230814991	40.0000	39

169471

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a005.d
Report Date: 09-Jan-2008 14:25

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
15 4,4'-DDD	9.684	9.682	0.002	229520921	40.0000	39
16 Endosulfan II	9.799	9.799	0.000	232165698	40.0000	39
17 4,4'-DDT	10.076	10.077	-0.001	187992603	40.0000	38
18 Endrin aldehyde	10.163	10.162	0.001	181844402	40.0000	39
20 Endosulfan sulfate	10.366	10.367	-0.001	207399420	40.0000	39
19 Methoxychlor	11.018	11.018	0.000	524371188	200.000	190
21 Endrin ketone	11.237	11.238	-0.001	233619863	40.0000	39
$ 22 Decachlorobiphenyl	12.712	12.712	0.000	101860105	20.0000	19

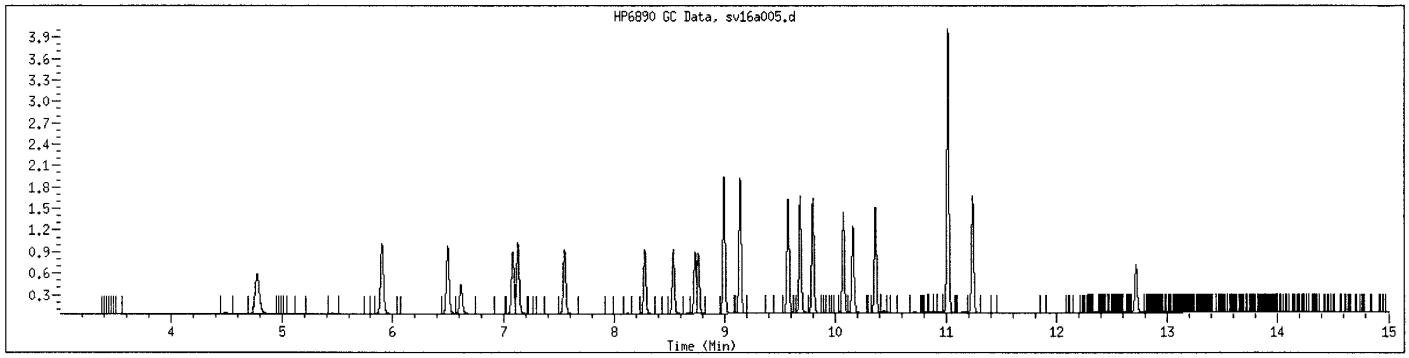
169472


Data File: /var/chem/gcsv16a.i/20071230.b/sv16a005.d
Date : 30-DEC-2007 17:42
Client ID:
Sample Info: 1202x1 20
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
Min
/var/chem/gcsv16a.i/20071230.b/sv16a005.d
-Tetrachloro-m-xylene (4.777)
-alpha-BHC (5.902)
-gamma-BHC (Lindane) (6.494)
-beta-BHC (6.612)
-Heptachlor (7.077)
-delta-BHC (7.127)
-Aldrin (7.548)
-Heptachlor epoxide (8.276)
-gamma-Chlordane (8.534)
-alpha-Chlordane (8.730)
-Endosulfan I (8.780)
-4,4'-DDE (8.995)
-Dieldrin (9.142)
-Endrin (9.575)
-4,4'-DDD (9.684)
-Endosulfan II (9.799)
-4,4'-DDT (10.076)
-Endrin aldehyde (10.163)
-Endosulfan sulfate (10.366)
Methoxychlor (11.018)
-Endrin ketone (11.237)
-Decachlorobiphenyl (12.712)

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a005.d Page: 1
Report Date: 01/09/2008 14:25

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1202 SampleType : CALIB_2
Injection Date: 12/30/2007 17:42 Instrument : gcsv16a.i
Operator : tls
Sample Info : 1202*1 20
Misc Info :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: 8081



NO MANUAL INTEGRATIONS

169474

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a006.d
Report Date: 09-Jan-2008 14:25

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a006.d
Lab Smp Id: 1203
Inj Date : 30-DEC-2007 18:01
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 60
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 14:23 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 12:53 Cal File: sv16a029.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1 Tetrachloro-m-xylene	4.778	4.778	0.000	454690591	60.0000	61
2 alpha-BHC	5.903	5.901	0.002	602656877	60.0000	62
3 gamma-BHC (Lindane)	6.494	6.492	0.002	520035486	60.0000	61
6 beta-BHC	6.612	6.611	0.001	231385026	60.0000	60
4 Heptachlor	7.078	7.078	0.000	450600899	60.0000	60
7 delta-BHC	7.127	7.127	0.000	512687340	60.0000	61
5 Aldrin	7.549	7.548	0.001	461379498	60.0000	61
8 Heptachlor epoxide	8.276	8.277	-0.001	415718758	60.0000	61
10 gamma-Chlordane	8.535	8.532	0.003	415992474	60.0000	61
11 alpha-Chlordane	8.730	8.729	0.001	389476506	60.0000	61
9 Endosulfan I	8.761	8.760	0.001	370637971	60.0000	59
12 4,4'-DDE	8.995	8.993	0.002	833683629	120.000	120
13 Dieldrin	9.142	9.141	0.001	855431380	120.000	120
14 Endrin	9.576	9.575	0.001	713414667	120.000	120

169475

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a006.d
Report Date: 09-Jan-2008 14:25

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	15 4,4'-DDD	9.684	9.682	0.002	719029119	120.000	120
	16 Endosulfan II	9.799	9.799	0.000	719327425	120.000	120
	17 4,4'-DDT	10.076	10.077	-0.001	636197821	120.000	130(M2)
	18 Endrin aldehyde	10.163	10.162	0.001	567608250	120.000	120
	20 Endosulfan sulfate	10.366	10.367	-0.001	647616591	120.000	120
	19 Methoxychlor	11.019	11.018	0.001	1727137040	600.000	620(M2)
	21 Endrin ketone	11.237	11.238	-0.001	743032942	120.000	120
$	22 Decachlorobiphenyl	12.712	12.712	0.000	306590876	60.0000	58

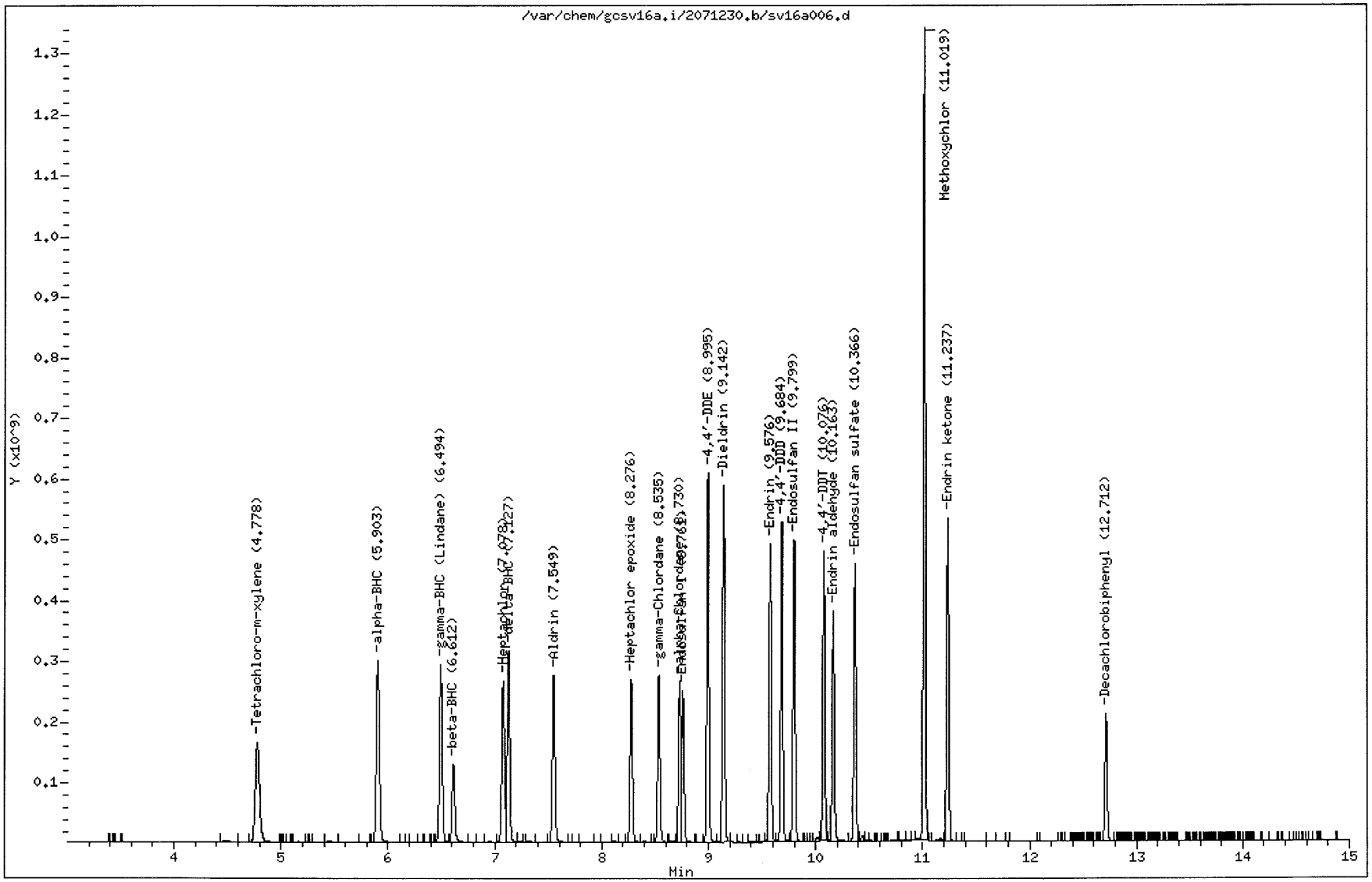
QC Flag Legend

M2- Compound response manually integrated because Target system integrated incorrectly.

169476

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a006.d
Date : 30-DEC-2007 18:01
Client ID:
Sample Info: 1203x1 60
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

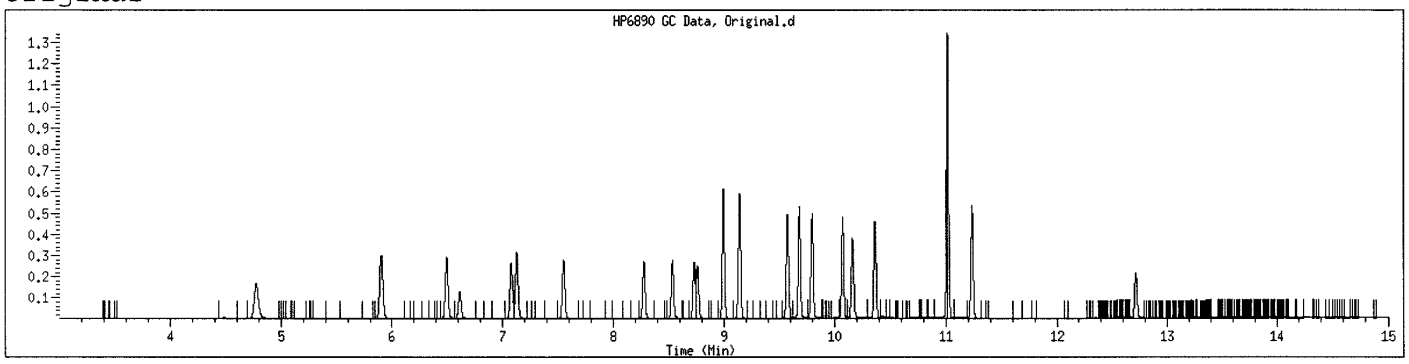


Data file : /var/chem/gcsv16a.i/2071230.b/sv16a006.d Page: 1
Report Date: 01/09/2008 14:25

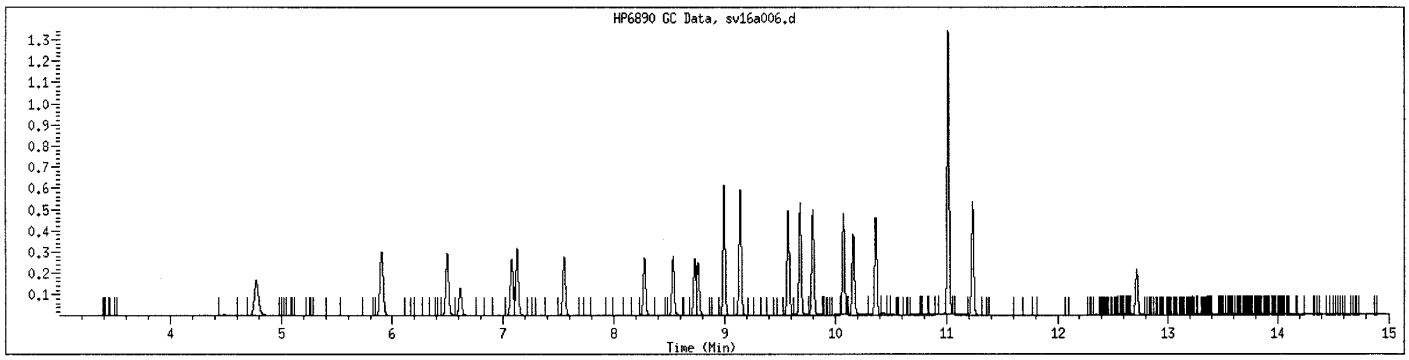
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/30/2007 18:01	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1203*1 60		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2071230.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



169478

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a007.d
Report Date: 09-Jan-2008 14:25

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a007.d
Lab Smp Id: 1204
Inj Date : 30-DEC-2007 18:20
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1204*1 80
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 14:23 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 13:11 Cal File: sv16a030.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.777	4.778	-0.001	589095231	80.0000	79
2	alpha-BHC	5.902	5.901	0.001	782780146	80.0000	80
3	gamma-BHC (Lindane)	6.493	6.492	0.001	675700803	80.0000	80
6	beta-BHC	6.612	6.611	0.001	296892892	80.0000	77
4	Heptachlor	7.078	7.078	0.000	585591481	80.0000	79
7	delta-BHC	7.127	7.127	0.000	661360494	80.0000	79
5	Aldrin	7.548	7.548	0.000	599006681	80.0000	79
8	Heptachlor epoxide	8.276	8.277	-0.001	537192112	80.0000	78
10	gamma-Chlordane	8.534	8.532	0.002	540174032	80.0000	79
11	alpha-Chlordane	8.729	8.729	0.000	505739795	80.0000	79
9	Endosulfan I	8.761	8.760	0.001	496994419	80.0000	79
12	4,4'-DDE	8.995	8.993	0.002	1088793360	160.000	160
13	Dieldrin	9.142	9.141	0.001	1117758848	160.000	160
14	Endrin	9.576	9.575	0.001	926535655	160.000	160

169479

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a007.d
Report Date: 09-Jan-2008 14:25

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
15	4,4'-DDD	9.683	9.682	0.001	937948227	160.000	160
16	Endosulfan II	9.799	9.799	0.000	939028466	160.000	160
17	4,4'-DDT	10.076	10.077	-0.001	848954547	160.000	170(M2)
18	Endrin aldehyde	10.163	10.162	0.001	742286173	160.000	160
20	Endosulfan sulfate	10.366	10.367	-0.001	845613840	160.000	160
19	Methoxychlor	11.019	11.018	0.001	2302912113	800.000	830(M2)
21	Endrin ketone	11.238	11.238	0.000	977814816	160.000	160
$ 22	Decachlorobiphenyl	12.713	12.712	0.001	395506942	80.0000	75

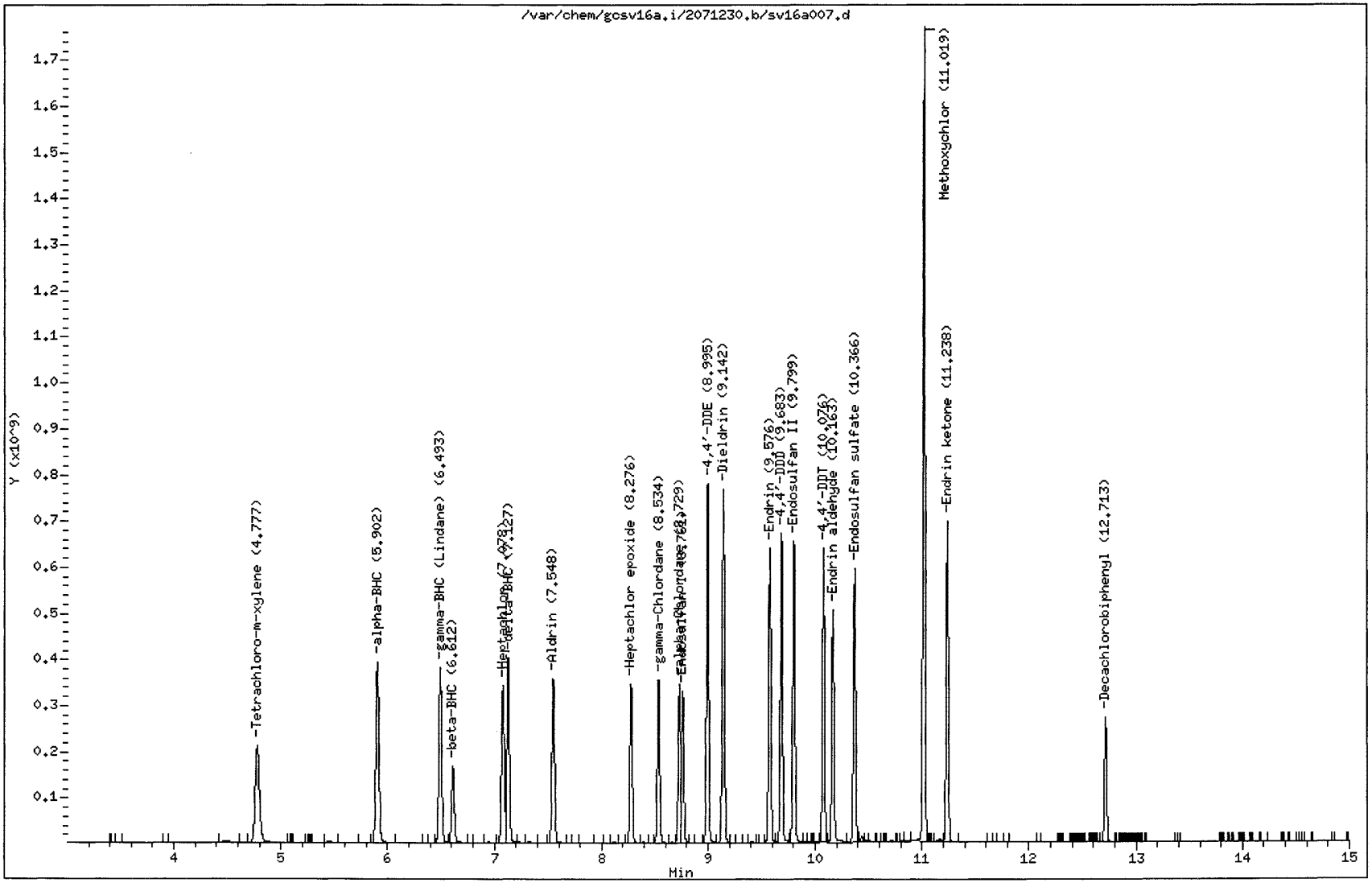
QC Flag Legend

M2- Compound response manually integrated because Target system integrated incorrectly.

169480

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a007.d
Date : 30-DEC-2007 18:20
Client ID:
Sample Info: 1204x1 80
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

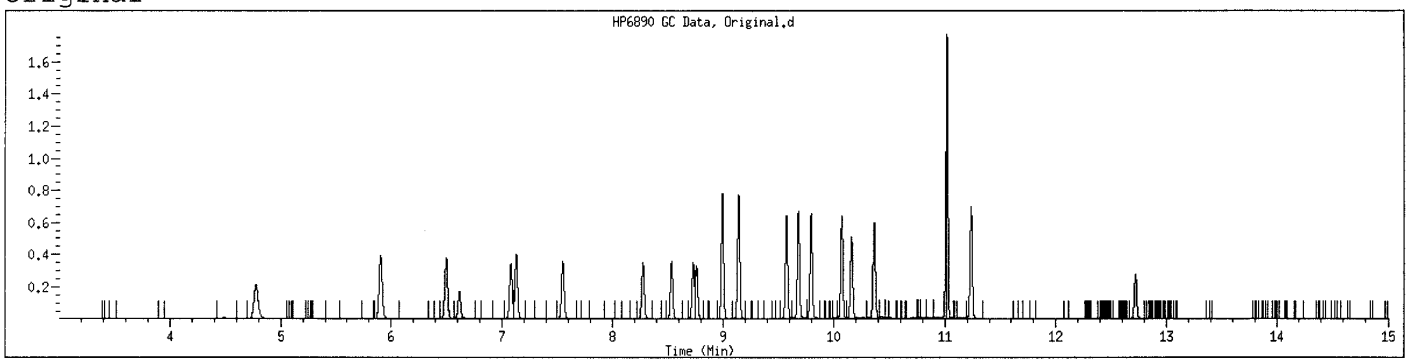
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



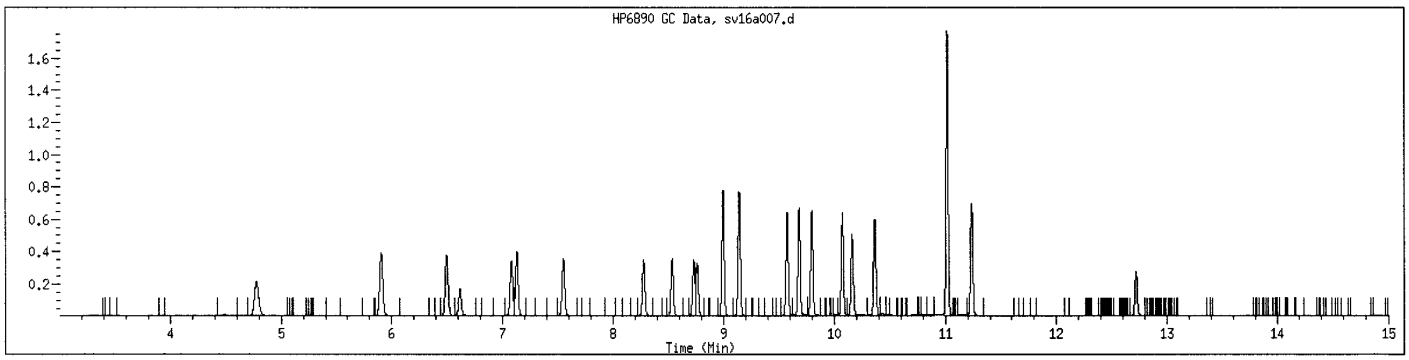
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1204	SampleType	: CALIB_4
Injection Date	: 12/30/2007 18:20	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1204*1 80		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2071230.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



169482

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a008.d
Report Date: 09-Jan-2008 14:25

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a008.d
Lab Smp Id: 1205
Inj Date : 30-DEC-2007 18:38
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1205*1 80-9-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 14:23 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 13:30 Cal File: sv16a031.d
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1 Tetrachloro-m-xylene	4.778	4.778	0.000	735119593	100.000	98
2 alpha-BHC	5.903	5.901	0.002	1000914074	100.000	100(A)
3 gamma-BHC (Lindane)	6.494	6.492	0.002	864930385	100.000	100(A)
6 beta-BHC	6.612	6.611	0.001	376276986	100.000	98
4 Heptachlor	7.078	7.078	0.000	748911441	100.000	100(A)
7 delta-BHC	7.127	7.127	0.000	854006787	100.000	100(A)
5 Aldrin	7.549	7.548	0.001	764525160	100.000	100(A)
8 Heptachlor epoxide	8.277	8.277	0.000	685795492	100.000	100(A)
10 gamma-Chlordane	8.534	8.532	0.002	690673961	100.000	100(A)
11 alpha-Chlordane	8.730	8.729	0.001	652923829	100.000	100(A)
9 Endosulfan I	8.761	8.760	0.001	629456919	100.000	100
12 4,4'-DDE	8.995	8.993	0.002	1400597780	200.000	200(A)
13 Dieldrin	9.142	9.141	0.001	1440421097	200.000	200(A)
14 Endrin	9.576	9.575	0.001	1199769466	200.000	200(A)

169483

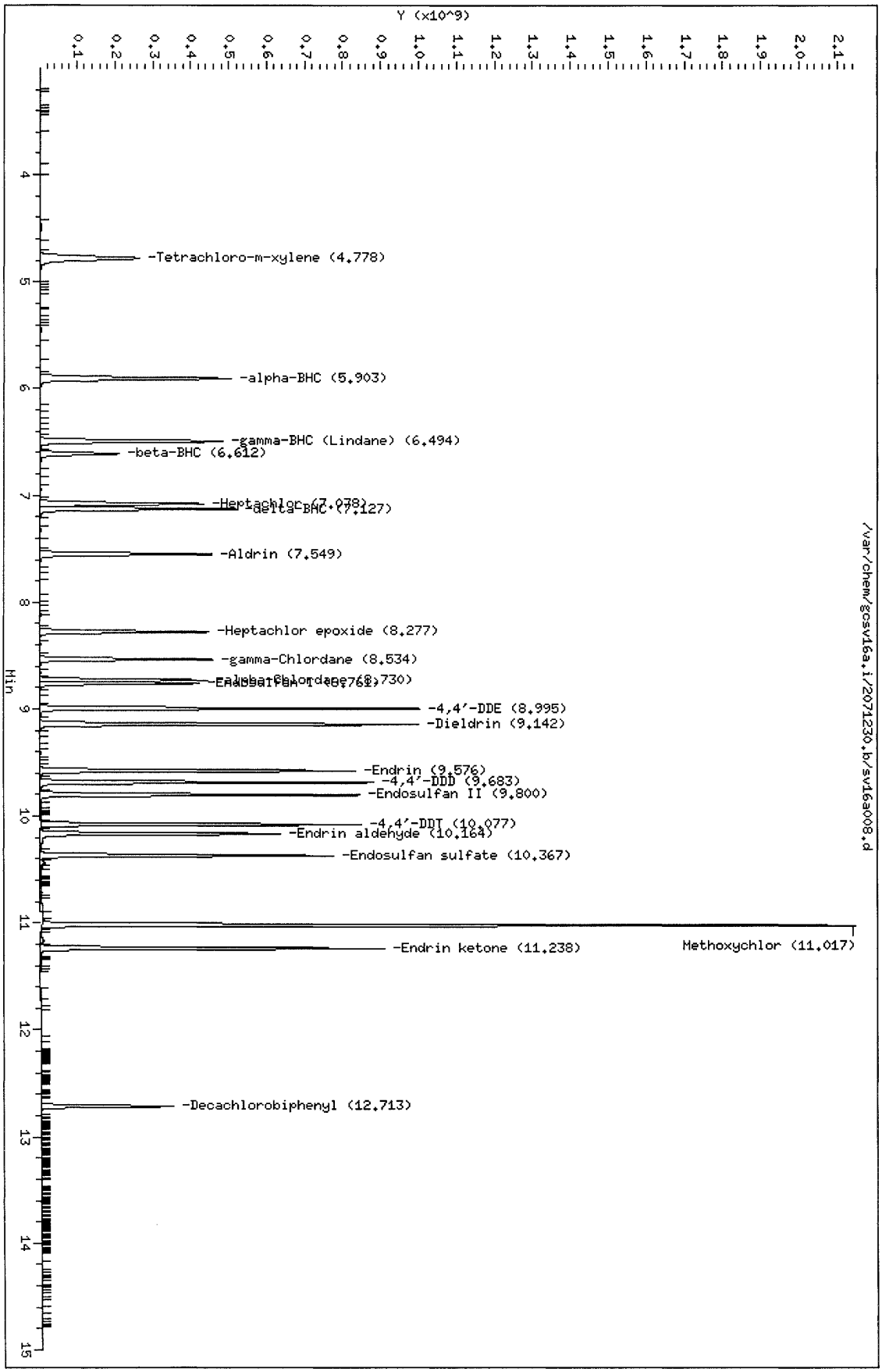
Data File: /var/chem/gcsv16a.i/2071230.b/sv16a008.d
Report Date: 09-Jan-2008 14:25

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
15 4,4'-DDD	9.683	9.682	0.001	1209023316	200.000	200(A)
16 Endosulfan II	9.800	9.799	0.001	1208459864	200.000	200(A)
17 4,4'-DDT	10.077	10.077	0.000	1111305864	200.000	220(AM2)
18 Endrin aldehyde	10.164	10.162	0.002	956165224	200.000	210(A)
20 Endosulfan sulfate	10.367	10.367	0.000	1091757916	200.000	210(A)
19 Methoxychlor	11.017	11.018	-0.001	2954940521	1000.00	1100(AM2)
21 Endrin ketone	11.238	11.238	0.000	1272705765	200.000	210(A)
$ 22 Decachlorobiphenyl	12.713	12.712	0.001	509996269	100.000	97

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M2- Compound response manually integrated because Target system integrated incorrectly.

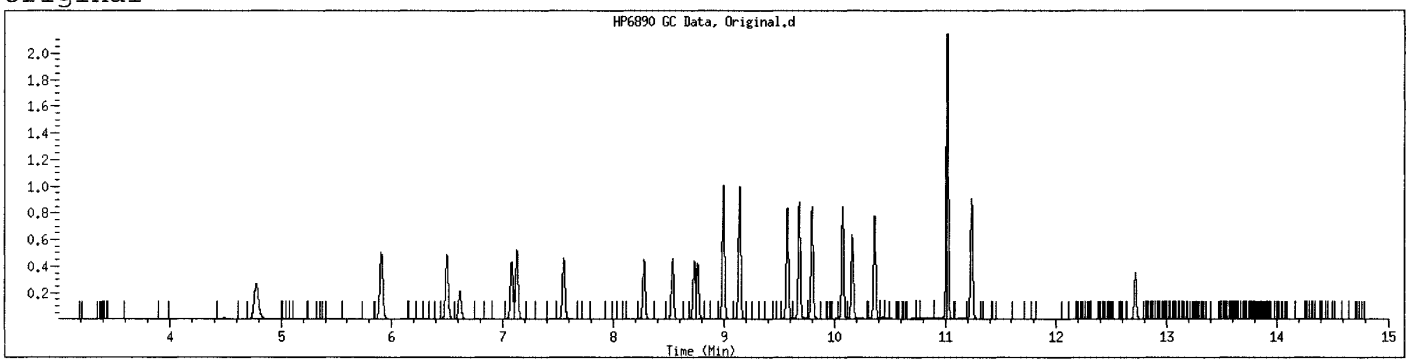
169484


Data File: /var/chem/gcsv16a.i/2071230.b/sv16a008.d
Date : 30-DEC-2007 18:38
Client ID:
Sample Info: 1205W1 80-9-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
Y (x10^9)
Min
/var/chem/gcsv16a.i/2071230.b/sv16a008.d
-Tetrachloro-m-xylene (4.778)
-alpha-BHC (5.903)
-gamma-BHC (Lindane) (6.494)
-beta-BHC (6.612)
-Heptachlor (7.078)
-delta-BHC (7.127)
-Aldrin (7.549)
-Heptachlor epoxide (8.277)
-gamma-Chlordane (8.534)
-Endosulfan I (8.730)
-4,4'-DDE (8.995)
-Dieldrin (9.142)
-Endrin (9.576)
-4,4'-DDD (9.683)
-Endosulfan II (9.800)
-4,4'-DDT (10.077)
-Endrin aldehyde (10.164)
-Endosulfan sulfate (10.367)
-Endrin ketone (11.238)
Methoxychlor (11.017)
-Decachlorobiphenyl (12.713)

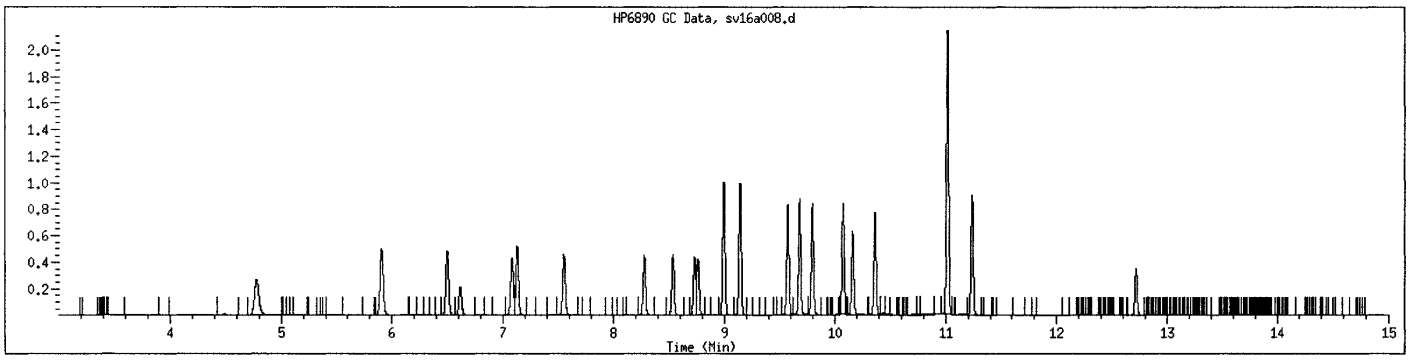
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 12/30/2007 18:38	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1205*1 80-9-8		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2071230.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



169486

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a010.d
Report Date: 09-Jan-2008 14:25

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a010.d
Lab Smp Id: 1205
Inj Date : 30-DEC-2007 19:16
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1205*1 80-6-9
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 14:23 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 13:30 Cal File: sv16a031.d
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlor.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

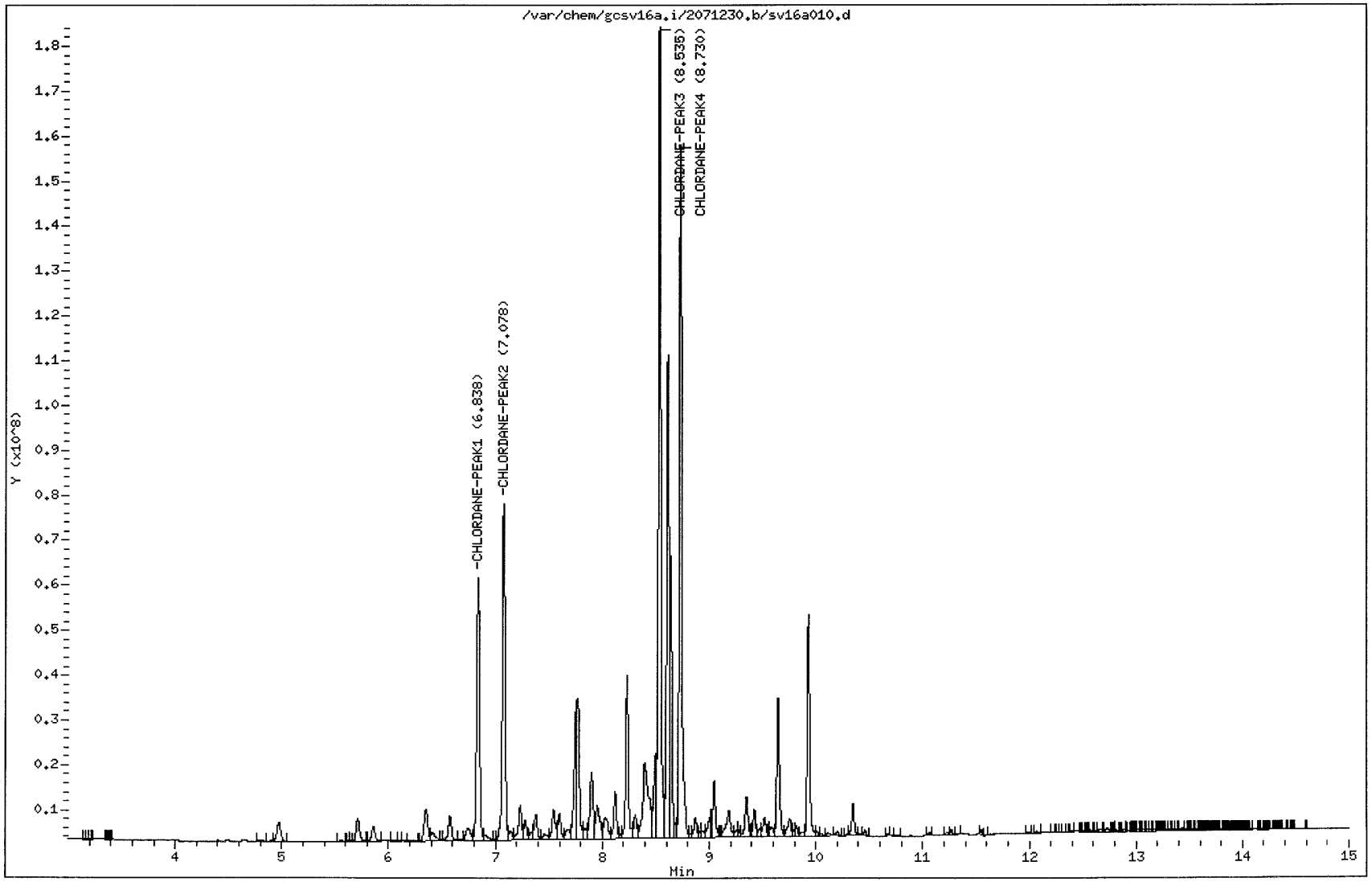
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	68 CHLORDANE-AVG				793324934	400.000	400
	69 CHLORDANE-PEAK1	6.838	6.839	-0.001	111440221	400.000	400
	70 CHLORDANE-PEAK2	7.078	7.079	-0.001	135805366	400.000	400
	71 CHLORDANE-PEAK3	8.535	8.533	0.002	293944272	400.000	400
	72 CHLORDANE-PEAK4	8.730	8.730	0.000	252135075	400.000	400

169487

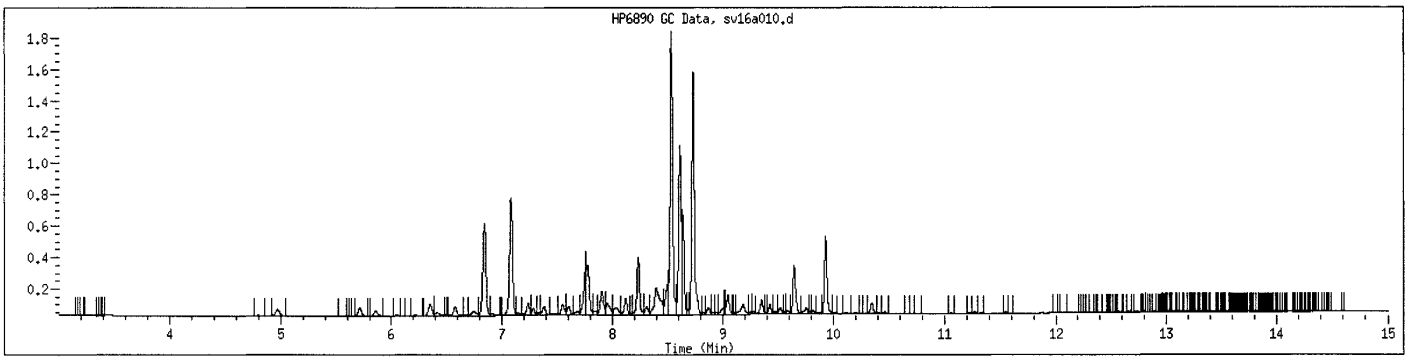
Data File: /var/chem/gcsv16a.i/2071230.b/sv16a010.d
Date : 30-DEC-2007 19:16
Client ID:
Sample Info: 1205x1 80-6-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1205 SampleType : CALIB_5
Injection Date: 12/30/2007 19:16 Instrument : gcsv16a.i
Operator : tls
Sample Info : 1205*1 80-6-9
Misc Info :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: chlor



NO MANUAL INTEGRATIONS

169489

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a011.d
Report Date: 09-Jan-2008 14:25

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a011.d
Lab Smp Id: 1201
Inj Date : 30-DEC-2007 19:35
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1201*1 80-2-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 14:23 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tox.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

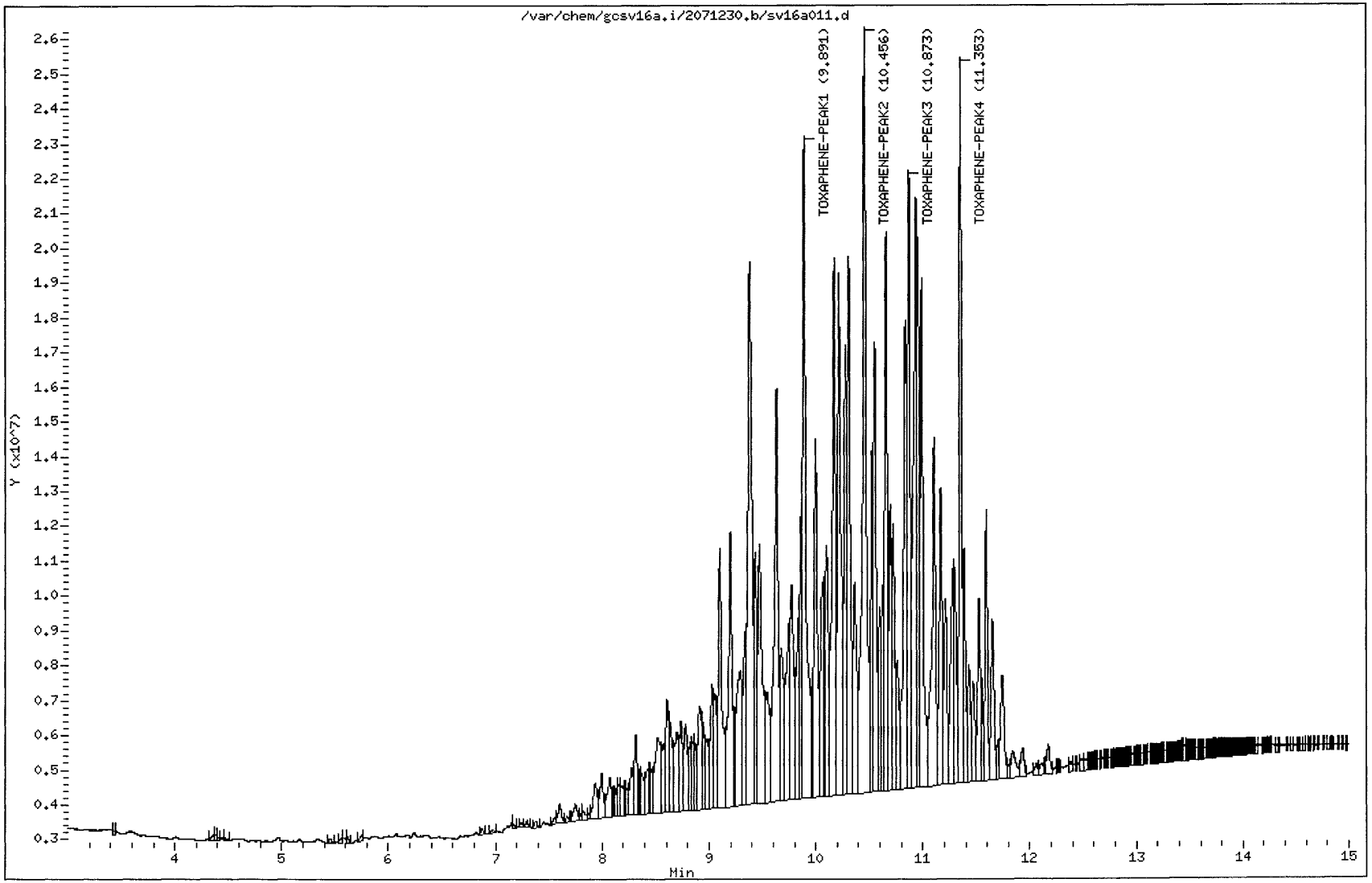
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 62 TOXAPHENE-AVG				158572704	250.000	220
63 TOXAPHENE-PEAK1	9.891	9.890	0.001	42479783	250.000	200
64 TOXAPHENE-PEAK2	10.456	10.457	-0.001	53818537	250.000	260
65 TOXAPHENE-PEAK3	10.873	10.872	0.001	30028574	250.000	200
66 TOXAPHENE-PEAK4	11.353	11.352	0.001	32245810	250.000	210

169490

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a011.d
Date : 30-DEC-2007 19:35
Client ID:
Sample Info: 1201*1 80-2-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

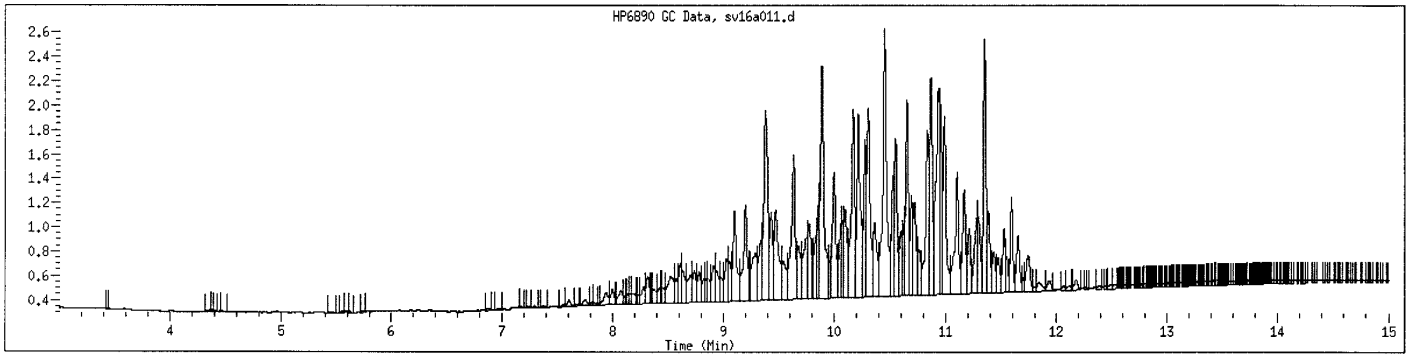
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2071230.b/sv16a011.d Page: 1
Report Date: 01/09/2008 14:25

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1201 SampleType : CALIB_1
Injection Date: 12/30/2007 19:35 Instrument : gcsv16a.i
Operator : tls
Sample Info : 1201*1 80-2-8
Misc Info :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: tox



NO MANUAL INTEGRATIONS

169492

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a012.d
Report Date: 09-Jan-2008 14:25

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a012.d
Lab Smp Id: 1205
Inj Date : 30-DEC-2007 19:53
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1205*1 80-2-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 14:23 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 13:30 Cal File: sv16a031.d
Als bottle: 12 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tox.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

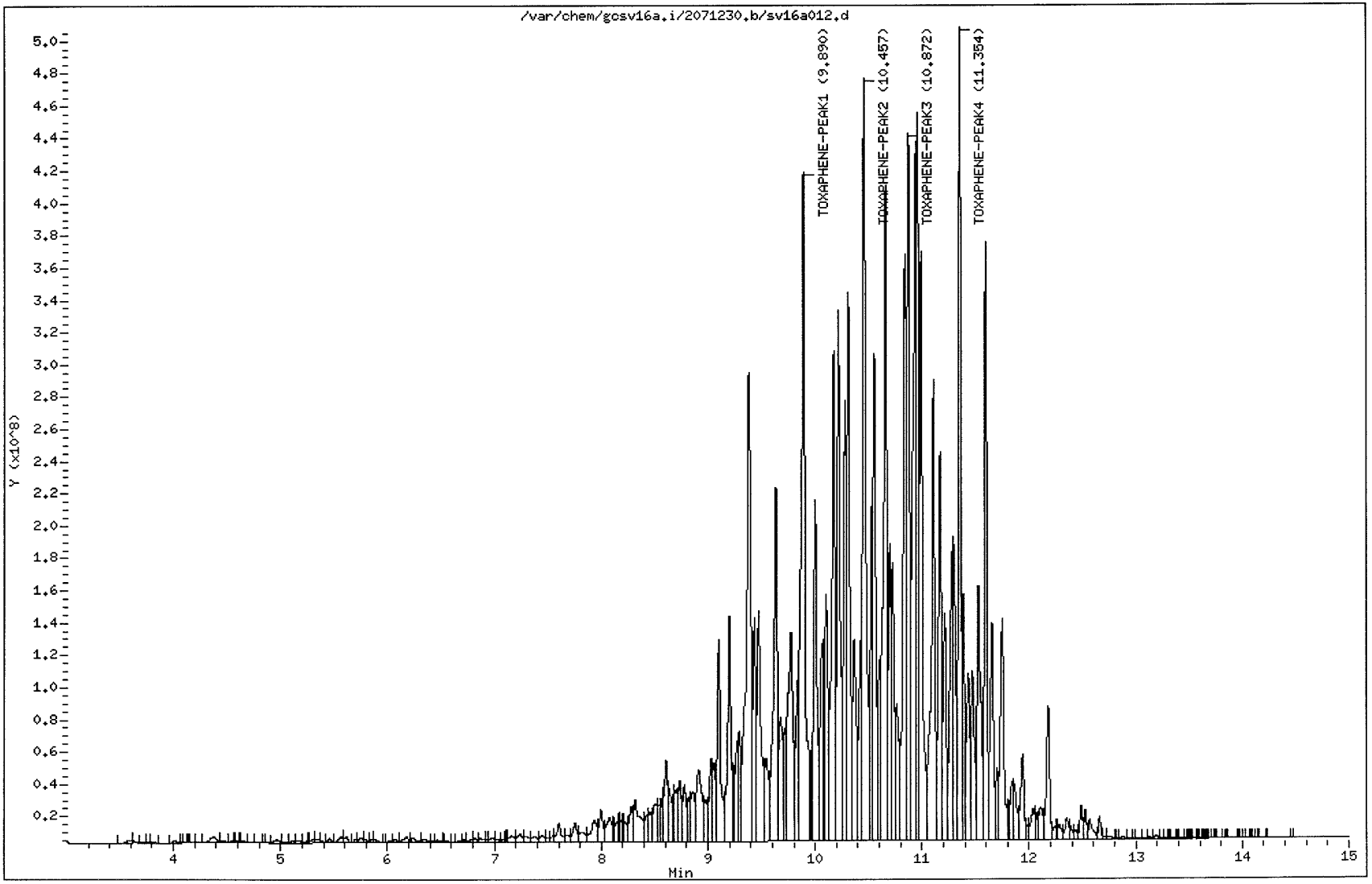
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 62 TOXAPHENE-AVG				3611400212	5000.00	5000
63 TOXAPHENE-PEAK1	9.890	9.890	0.000	1069530019	5000.00	5000
64 TOXAPHENE-PEAK2	10.457	10.457	0.000	1031047076	5000.00	5000
65 TOXAPHENE-PEAK3	10.872	10.872	0.000	736076259	5000.00	5000
66 TOXAPHENE-PEAK4	11.354	11.352	0.002	774746858	5000.00	5000

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a012.d
Date : 30-DEC-2007 19:53
Client ID:
Sample Info: 1205x1 80-2-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

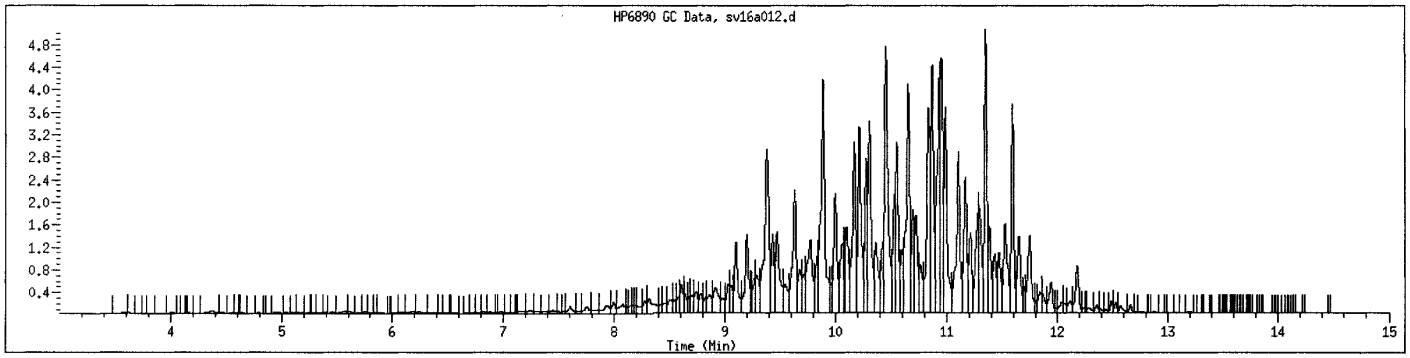
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



169494

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 12/30/2007 19:53	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1205*1 80-2-8		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2071230.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: tox



NO MANUAL INTEGRATIONS

169495

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a009.d
Report Date: 09-Jan-2008 14:25

GCAL, Inc.

RECOVERY REPORT

Client Name:
Client SDG: 2071230
Sample Matrix: LIQUID
Fraction: SV
Lab Smp Id: 1600
Level: LOW
Operator: tls
Data Type: GC MULTI COMP
SampleType: LCS
SpikeList File: 8081icv.spk
Quant Type: ESTD
Sublist File: 8081.sub
Method File: /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
2 alpha-BHC	60	64	105.89	80-120
3 gamma-BHC (Lindane)	60	63	105.11	80-120
6 beta-BHC	60	61	102.08	80-120
4 Heptachlor	60	62	102.62	80-120
7 delta-BHC	60	62	103.45	80-120
5 Aldrin	60	63	104.39	80-120
8 Heptachlor epoxide	60	63	104.41	80-120
10 gamma-Chlordane	60	60	100.81	80-120
11 alpha-Chlordane	60	58	97.41	80-120
9 Endosulfan I	60	61	101.69	80-120
12 4,4'-DDE	60	61	102.45	80-120
13 Dieldrin	60	61	101.76	80-120
14 Endrin	60	62	102.59	80-120
15 4,4'-DDD	60	62	103.44	80-120
16 Endosulfan II	60	56	94.14	80-120
17 4,4'-DDT	60	63	105.42	80-120
18 Endrin aldehyde	60	58	97.11	80-120
20 Endosulfan sulfate	60	61	102.07	80-120
19 Methoxychlor	60	58	96.66	80-120
21 Endrin ketone	60	64	105.94	80-120

SURROGATE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
$ 1 Tetrachloro-m-xylene	500	0.0	*	45-148
$ 22 Decachlorobiphenyl	500	0.0	*	34-135

169496

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a009.d
Report Date: 09-Jan-2008 14:25

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a009.d
Lab Smp Id: 1600
Inj Date : 30-DEC-2007 18:57
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1600*1 80-4-9
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 14:23 dlb Quant Type: ESTD
Cal Date : 30-DEC-2007 18:38 Cal File: sv16a008.d
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (mL)
Vo	1.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
2 alpha-BHC	5.902	5.901	0.001	620511733	63.5319	64
3 gamma-BHC (Lindane)	6.494	6.492	0.002	536028587	63.0680	63
6 beta-BHC	6.611	6.611	0.000	235248318	61.2460	61
4 Heptachlor	7.078	7.078	0.000	458639629	61.5727	62
7 delta-BHC	7.126	7.127	-0.001	518375913	62.0728	62
5 Aldrin	7.548	7.548	0.000	474227214	62.6322	63
8 Heptachlor epoxide	8.276	8.277	-0.001	429256146	62.6442	63
10 gamma-Chlordane	8.534	8.532	0.002	414999003	60.4875	60
11 alpha-Chlordane	8.730	8.729	0.001	375900329	58.4474	58
9 Endosulfan I	8.761	8.760	0.001	384831748	61.0167	61
12 4,4'-DDE	8.995	8.993	0.002	421742377	61.4707	61
13 Dieldrin	9.141	9.141	0.000	430122788	61.0533	61
14 Endrin	9.576	9.575	0.001	362211786	61.5552	62
15 4,4'-DDD	9.684	9.682	0.002	366196417	62.0618	62

169497

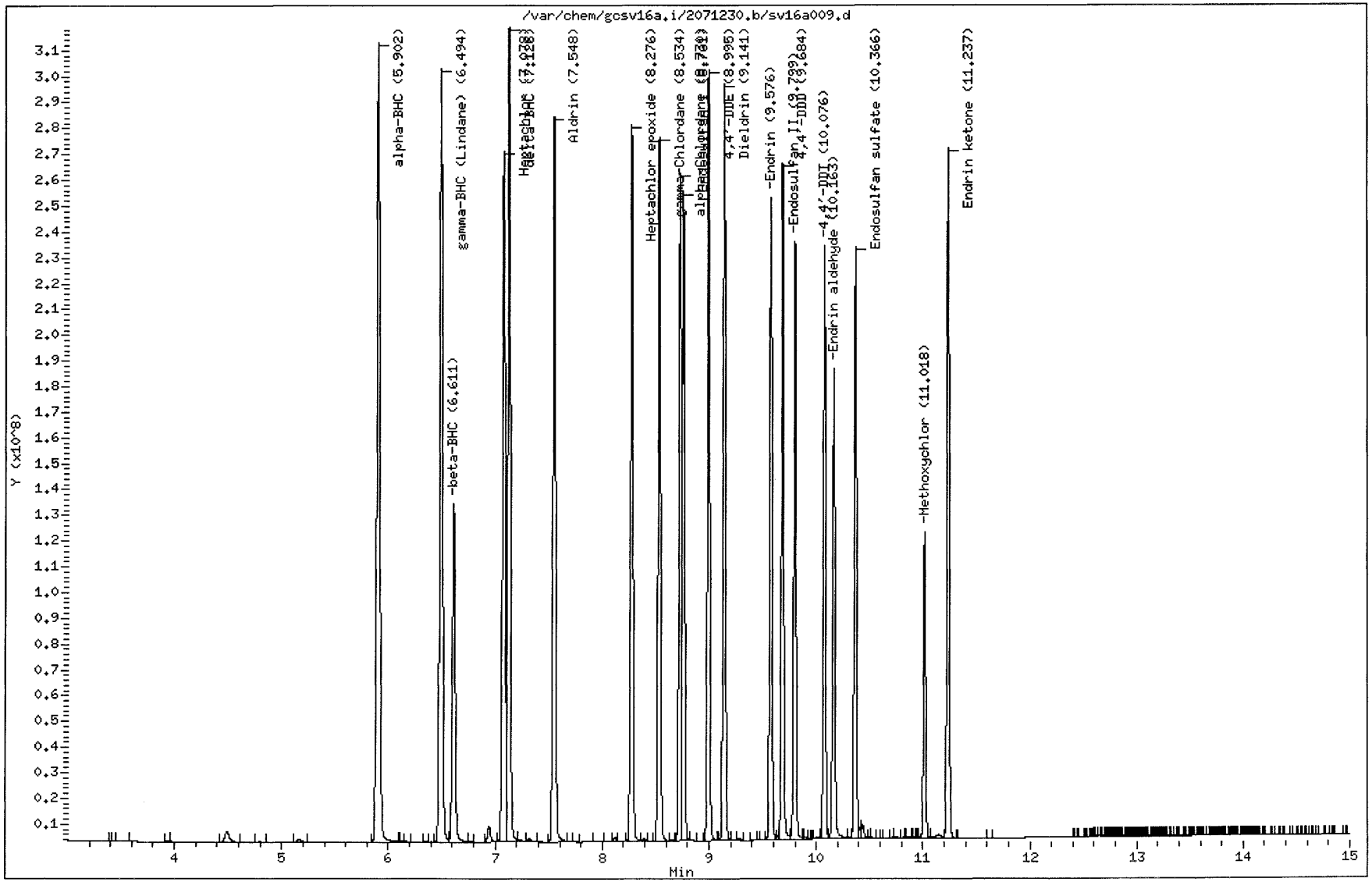
Data File: /var/chem/gcsv16a.i/2071230.b/sv16a009.d
Report Date: 09-Jan-2008 14:25

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
16 Endosulfan II	9.799	9.799	0.000	333563286	56.4869	56
17 4,4'-DDT	10.076	10.077	-0.001	316418685	63.2536	63
18 Endrin aldehyde	10.163	10.162	0.001	271706388	58.2681	58
20 Endosulfan sulfate	10.366	10.367	-0.001	325516126	61.2400	61
19 Methoxychlor	11.018	11.018	0.000	161223779	57.9941	58
21 Endrin ketone	11.237	11.238	-0.001	384260169	63.5652	64

169498

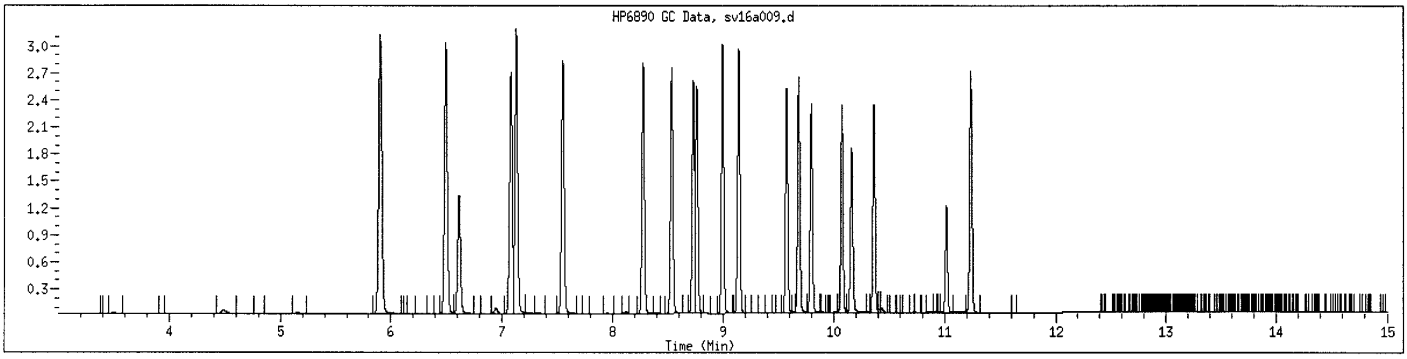
Data File: /var/chem/gcsv16a.i/2071230.b/sv16a009.d
Date : 30-DEC-2007 18:57
Client ID:
Sample Info: 1600*1 80-4-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 12/30/2007 18:57	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1600*1 80-4-9		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2071230.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

169500

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a002.d
Report Date: 07-Jan-2008 09:26

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a002.d
Lab Smp Id: deg
Inj Date : 04-JAN-2008 10:34
Operator : tls Inst ID: gcsv16a.i
Smp Info : deg*1 80-8-9
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 08:40 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.986	8.991	-0.005	2216172	0.32302	0.0032
15 4,4'-DDD	9.680	9.681	-0.001	12870761	2.18129	0.022
17 4,4'-DDT	10.067	10.076	-0.009	411413981	82.2437	0.82
18 Endrin aldehyde	10.155	10.160	-0.005	7106564	1.52402	0.015
21 Endrin ketone	11.229	11.237	-0.008	15576422	2.57669	0.026
14 Endrin	9.565	9.574	-0.009	470161105	79.9003	0.80

169501

Gulf Coast Analytical Laboratories, Inc.

Breakdown Calculation

DDT Breakdown: Formula

$$\frac{(\text{Area DDD}) + (\text{Area DDE})}{(\text{Area DDD}) + (\text{Area DDE}) + (\text{Area DDT})} \times 100$$

DDT Breakdown: Calculation

$$\frac{12870761 + 2216172}{12870761 + 2216172 + 411413981} \times 100 = 3.5\ \%$$

DDT Breakdown: Criteria

< 15%

==========

Endrin Breakdown: Formula

$$\frac{(\text{Area Endrin ketone}) + (\text{Area Endrin aldehyde})}{(\text{Area End ket}) + (\text{Area End ald}) + (\text{Area Endrin})} \times 100$$

Endrin Breakdown: Calculation

$$\frac{15576422 + 7106564}{15576422 + 7106564 + 470161105} \times 100 = 4.6\ \%$$

Endrin Breakdown: Criteria

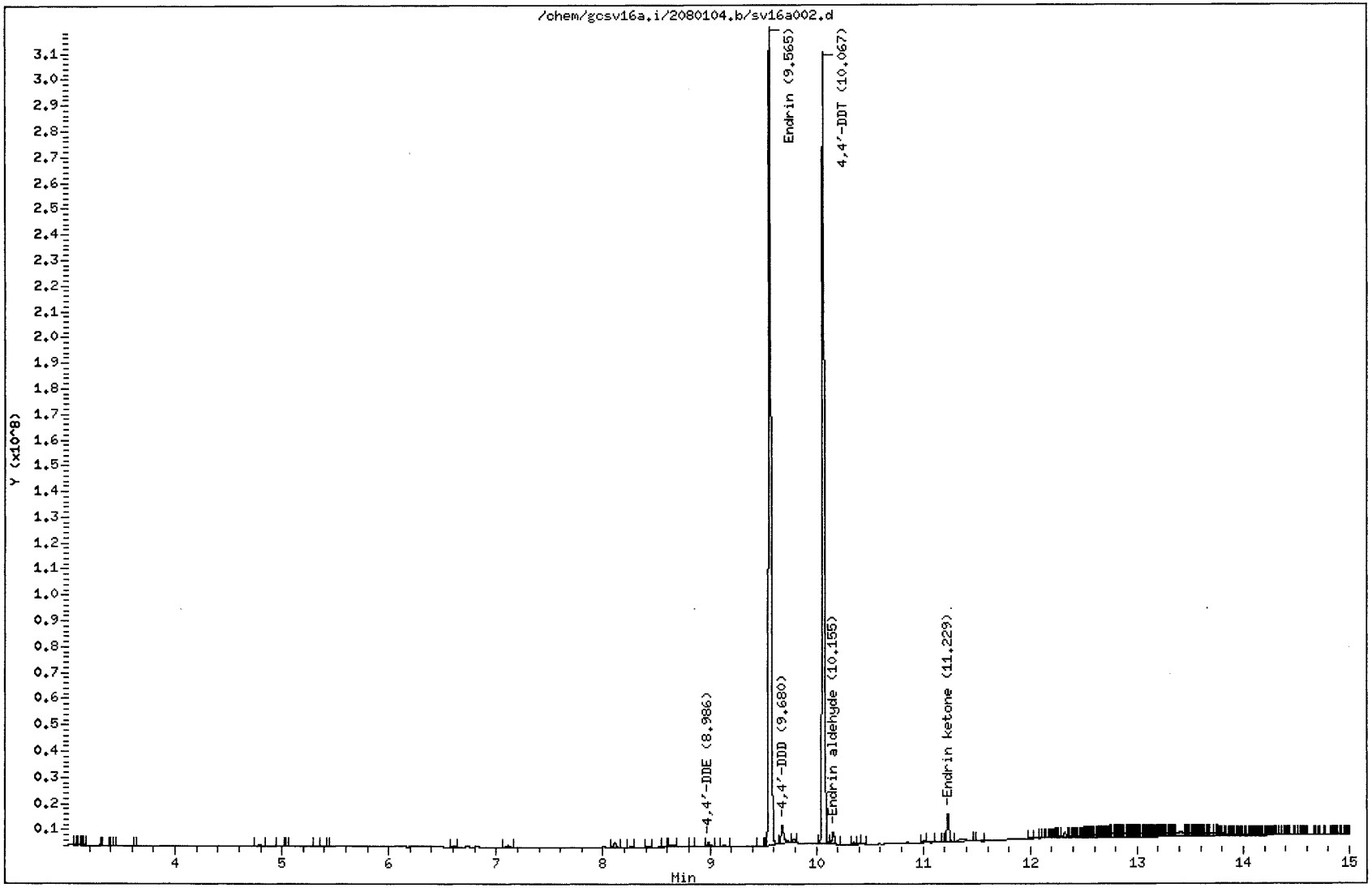
< 15%

169502

Data File: /chem/gcsv16a.i/2080104.b/sv16a002.d
Date : 04-JAN-2008 10:34
Client ID:
Sample Info: deg*1 80-8-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

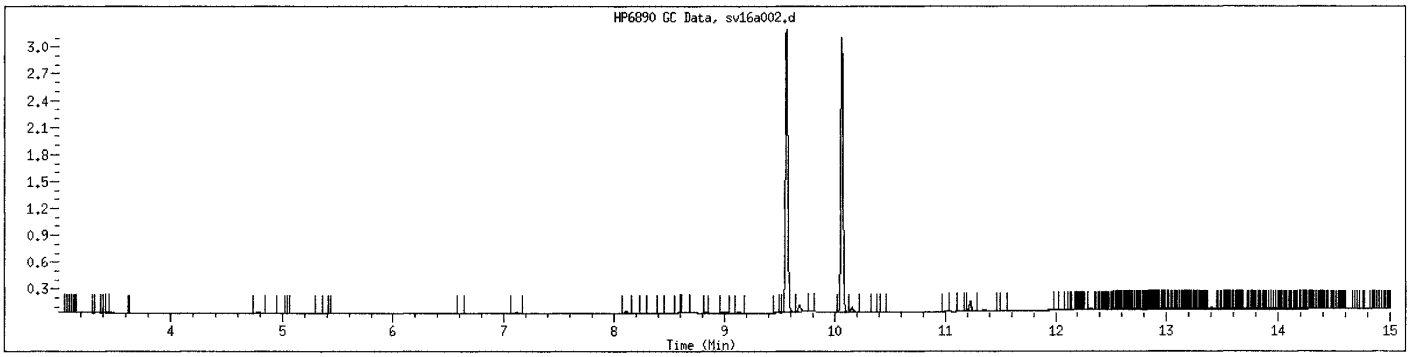
Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: deg	SampleType	: SAMPLE
Injection Date	: 01/04/2008 10:34	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: deg*1 80-8-9		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080104.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: deg



NO MANUAL INTEGRATIONS

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a003.d
Report Date: 07-Jan-2008 10:49

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 04-JAN-2008 10:53
Lab File ID: sv16a003.d Init. Cal. Date(s): 30-DEC-2007 31-DEC-2007
Analysis Type: WATER Init. Cal. Times: 17:05 13:30
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080104.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	7494255	7006921	0.010	6.50276	15.00000	Averaged
2 alpha-BHC	9766927	9715520	0.010	0.52634	15.00000	Averaged
3 gamma-BHC (Lindane)	8499221	8340732	0.010	1.86474	15.00000	Averaged
6 beta-BHC	3841038	3717727	0.010	3.21036	15.00000	Averaged
4 Heptachlor	7448745	7159455	0.010	3.88375	15.00000	Averaged
7 delta-BHC	8351100	8131838	0.010	2.62555	15.00000	Averaged
5 Aldrin	7571614	7401701	0.010	2.24408	15.00000	Averaged
8 Heptachlor epoxide	6852291	6672102	0.010	2.62961	15.00000	Averaged
10 gamma-Chlordane	6860907	6703039	0.010	2.30097	15.00000	Averaged
11 alpha-Chlordane	6431424	6209843	0.010	3.44530	15.00000	Averaged
9 Endosulfan I	6306988	6202474	0.010	1.65712	15.00000	Averaged
12 4,4'-DDE	6860863	6609713	0.010	3.66062	15.00000	Averaged
13 Dieldrin	7045032	6858586	0.010	2.64649	15.00000	Averaged
14 Endrin	5884345	5740013	0.010	2.45281	15.00000	Averaged
15 4,4'-DDD	5900516	5662138	0.010	4.03995	15.00000	Averaged
16 Endosulfan II	5905148	5789583	0.010	1.95702	15.00000	Averaged
17 4,4'-DDT	5002380	5116833	0.010	-2.28798	15.00000	Averaged
18 Endrin aldehyde	4663037	4481018	0.010	3.90344	15.00000	Averaged
20 Endosulfan sulfate	5315419	5105846	0.010	3.94273	15.00000	Averaged
19 Methoxychlor	2780002	2774575	0.010	0.19522	15.00000	Averaged
21 Endrin ketone	6045135	5934084	0.010	1.83704	15.00000	Averaged
$ 22 Decachlorobiphenyl	5276917	4787509	0.010	9.27451	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 3.04947
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

169505

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a003.d
Report Date: 07-Jan-2008 10:49

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a003.d
Lab Smp Id: 1400
Inj Date : 04-JAN-2008 10:53
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-12-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:49 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.771	4.778	-0.007	420415287	60.0000	56
2	alpha-BHC	5.894	5.900	-0.006	582931224	60.0000	60
3	gamma-BHC (Lindane)	6.486	6.491	-0.005	500443950	60.0000	59
6	beta-BHC	6.603	6.610	-0.007	223063611	60.0000	58
4	Heptachlor	7.069	7.077	-0.008	429567279	60.0000	58
7	delta-BHC	7.118	7.126	-0.008	487910303	60.0000	58
5	Aldrin	7.539	7.547	-0.008	444102084	60.0000	59
8	Heptachlor epoxide	8.267	8.276	-0.009	400326146	60.0000	58
10	gamma-Chlordane	8.524	8.531	-0.007	402182362	60.0000	59
11	alpha-Chlordane	8.720	8.728	-0.008	372590551	60.0000	58
9	Endosulfan I	8.751	8.759	-0.008	372148463	60.0000	59
12	4,4'-DDE	8.986	8.991	-0.005	793165555	120.000	120
13	Dieldrin	9.133	9.139	-0.006	823030318	120.000	120

169506

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a003.d
Report Date: 07-Jan-2008 10:49

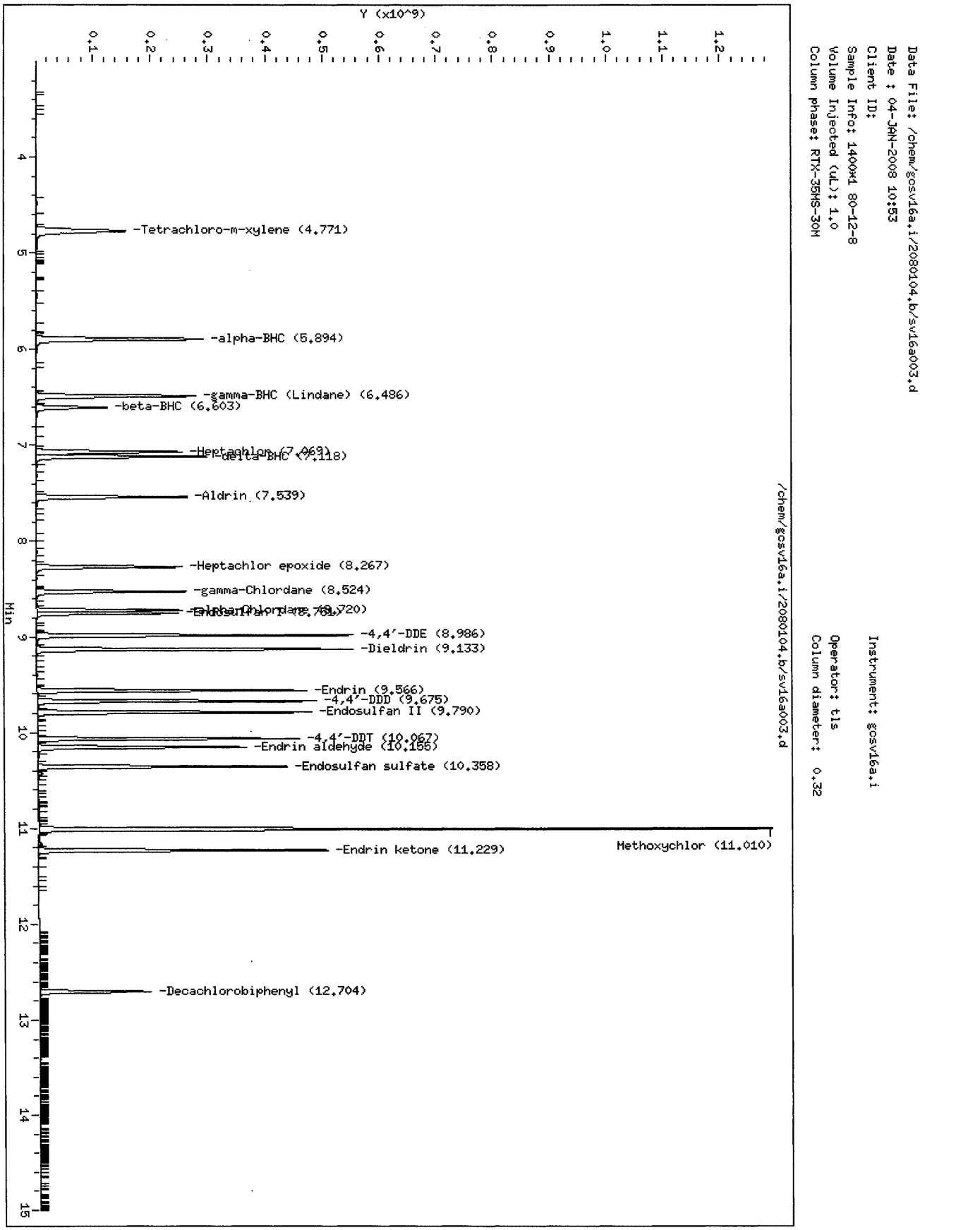
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	ON-COL (UG/L)
14	Endrin	9.566	9.574	-0.008	688801619	120.000	120
15	4,4'-DDD	9.675	9.681	-0.006	679456607	120.000	120
16	Endosulfan II	9.790	9.798	-0.008	694749909	120.000	120
17	4,4'-DDT	10.067	10.076	-0.009	614020007	120.000	120
18	Endrin aldehyde	10.155	10.161	-0.006	537722154	120.000	120
20	Endosulfan sulfate	10.358	10.366	-0.008	612701555	120.000	120
19	Methoxychlor	11.010	11.017	-0.007	1664745151	600.000	600(M2)
21	Endrin ketone	11.229	11.237	-0.008	712090053	120.000	120
$ 22	Decachlorobiphenyl	12.704	12.710	-0.006	287250559	60.0000	54

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

.

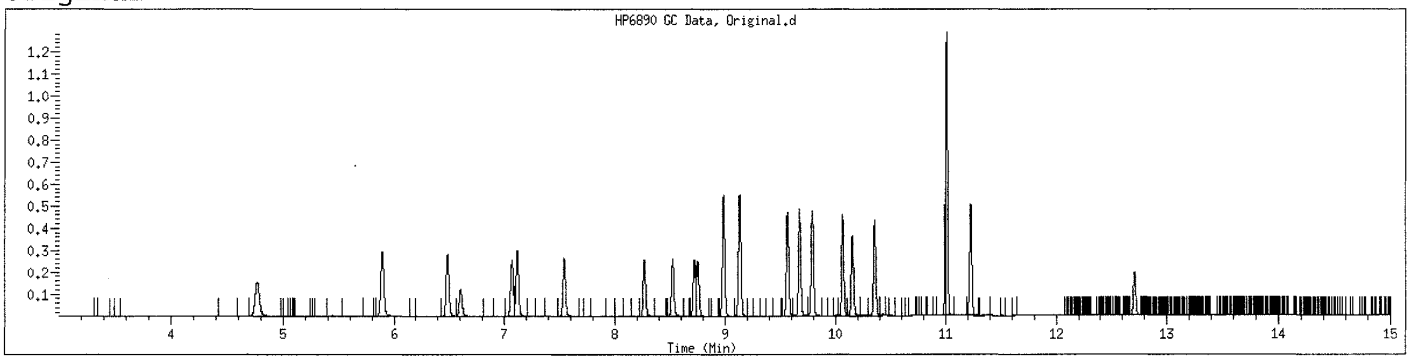
169507


Data File: /chem/gcsv16a.i/20080104.b/sv16a003.d
Date : 04-JAN-2008 10:53
Client ID:
Sample Info: 1400ml 80-12-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
Y (x10^9)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
Min
4
5
6
7
8
9
10
11
12
13
14
15
-Tetrachloro-m-xylene (4.771)
-alpha-BHC (5.894)
-gamma-BHC (Lindane) (6.486)
-beta-BHC (6.603)
-Heptachlor (7.069)
-delta-BHC (7.118)
-Aldrin (7.539)
-Heptachlor epoxide (8.267)
-gamma-Chlordane (8.524)
-alpha-Chlordane (8.720)
-Endosulfan I (8.761)
-4,4'-DDE (8.986)
-Dieldrin (9.133)
-Endrin (9.566)
-4,4'-DDD (9.675)
-Endosulfan II (9.790)
-4,4'-DDT (10.067)
-Endrin aldehyde (10.156)
-Endosulfan sulfate (10.358)
Methoxychlor (11.010)
-Endrin ketone (11.229)
-Decachlorobiphenyl (12.704)
/chem/gcsv16a.i/20080104.b/sv16a003.d

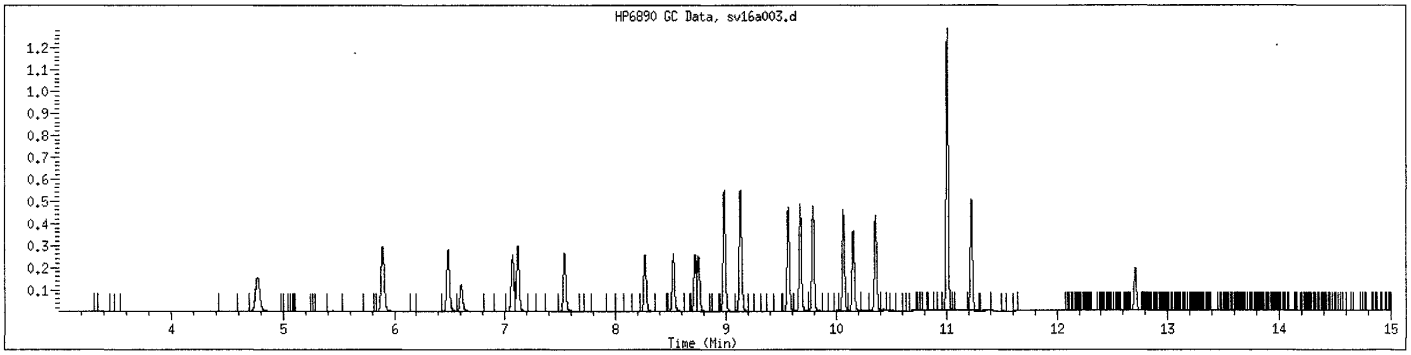
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 01/04/2008 10:53	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-12-8		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080104.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



Data File: /var/chem/gcsv16a.i/2080104.b/sv16a016.d
Report Date: 07-Jan-2008 10:49

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 04-JAN-2008 15:42
Lab File ID: sv16a016.d Init. Cal. Date(s): 30-DEC-2007 31-DEC-2007
Analysis Type: WATER Init. Cal. Times: 17:05 13:30
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080104.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	7494255	6834094	0.010	8.80890	15.00000	Averaged
2 alpha-BHC	9766927	9437539	0.010	3.37249	15.00000	Averaged
3 gamma-BHC (Lindane)	8499221	8140048	0.010	4.22595	15.00000	Averaged
6 beta-BHC	3841038	3587667	0.010	6.59641	15.00000	Averaged
4 Heptachlor	7448745	7055185	0.010	5.28358	15.00000	Averaged
7 delta-BHC	8351100	7919118	0.010	5.17275	15.00000	Averaged
5 Aldrin	7571614	7265497	0.010	4.04296	15.00000	Averaged
8 Heptachlor epoxide	6852291	6584220	0.010	3.91214	15.00000	Averaged
10 gamma-Chlordane	6860907	6526901	0.010	4.86825	15.00000	Averaged
11 alpha-Chlordane	6431424	5936637	0.010	7.69328	15.00000	Averaged
9 Endosulfan I	6306988	6253006	0.010	0.85591	15.00000	Averaged
12 4,4'-DDE	6860863	6545424	0.010	4.59766	15.00000	Averaged
13 Dieldrin	7045032	6804605	0.010	3.41272	15.00000	Averaged
14 Endrin	5884345	5750657	0.010	2.27192	15.00000	Averaged
15 4,4'-DDD	5900516	5549537	0.010	5.94827	15.00000	Averaged
16 Endosulfan II	5905148	5715096	0.010	3.21841	15.00000	Averaged
17 4,4'-DDT	5002380	5058518	0.010	-1.12222	15.00000	Averaged
18 Endrin aldehyde	4663037	4434984	0.010	4.89064	15.00000	Averaged
20 Endosulfan sulfate	5315419	4983579	0.010	6.24297	15.00000	Averaged
19 Methoxychlor	2780002	2779986	0.010	0.00058	15.00000	Averaged
21 Endrin ketone	6045135	5860634	0.010	3.05206	15.00000	Averaged
$ 22 Decachlorobiphenyl	5276917	4636935	0.010	12.12796	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.62355
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

169510

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a016.d
Report Date: 07-Jan-2008 10:49

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a016.d
Lab Smp Id: 1400
Inj Date : 04-JAN-2008 15:42
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-12-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:49 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.769	4.777	-0.008	410045618	60.0000	55
2	alpha-BHC	5.892	5.900	-0.008	566252324	60.0000	58
3	gamma-BHC (Lindane)	6.483	6.490	-0.007	488402887	60.0000	57
6	beta-BHC	6.602	6.610	-0.008	215260048	60.0000	56
4	Heptachlor	7.067	7.077	-0.010	423311084	60.0000	57
7	delta-BHC	7.116	7.126	-0.010	475147109	60.0000	57
5	Aldrin	7.537	7.547	-0.010	435929822	60.0000	58
8	Heptachlor epoxide	8.265	8.276	-0.011	395053189	60.0000	58
10	gamma-Chlordane	8.523	8.530	-0.007	391614053	60.0000	57
11	alpha-Chlordane	8.719	8.728	-0.009	356198209	60.0000	55
9	Endosulfan I	8.749	8.758	-0.009	375180366	60.0000	59
12	4,4'-DDE	8.984	8.991	-0.007	785450859	120.000	110
13	Dieldrin	9.131	9.139	-0.008	816552556	120.000	120

169511

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a016.d
Report Date: 07-Jan-2008 10:49

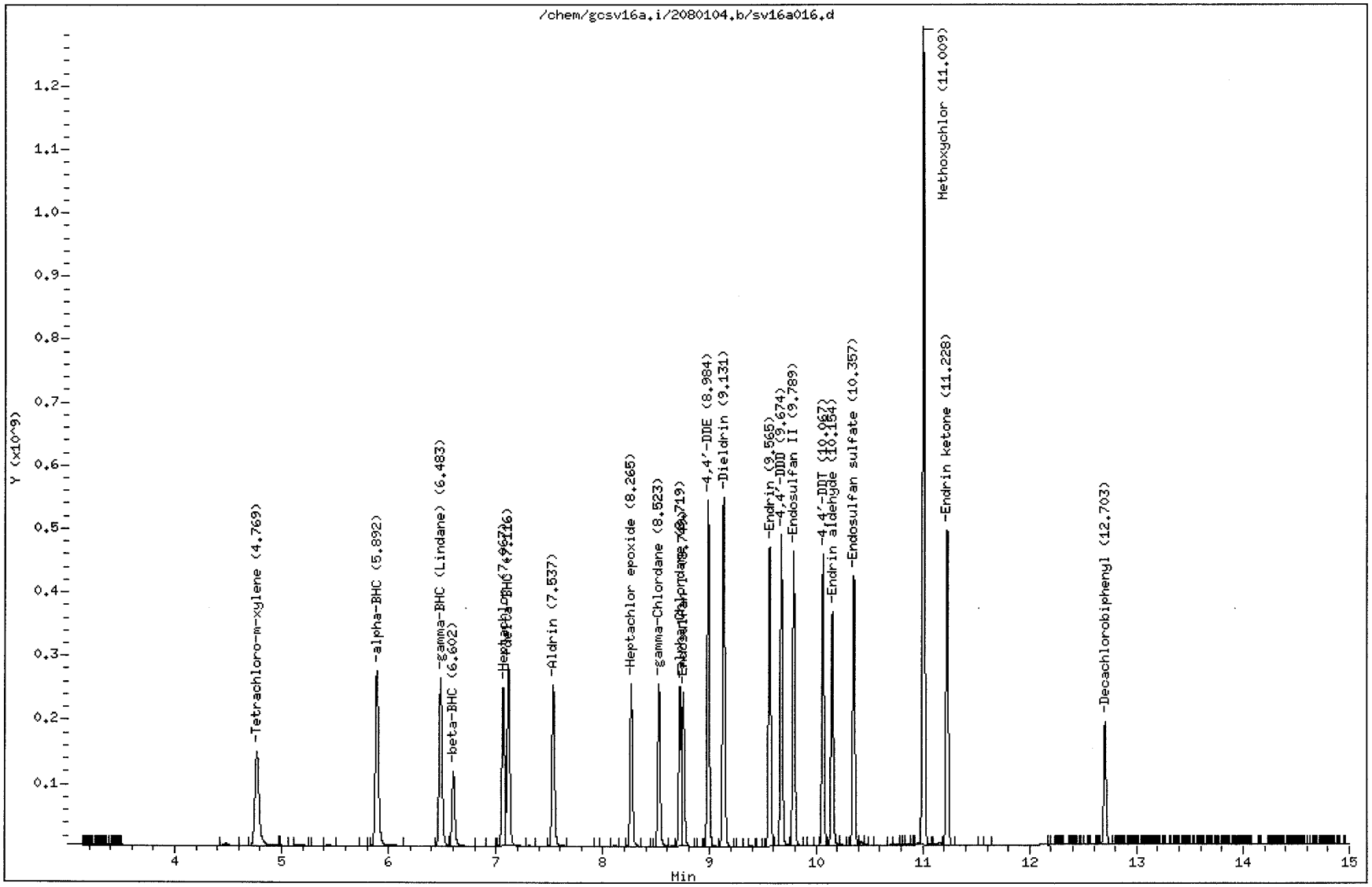
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.565	9.574	-0.009	690078889	120.000	120
15	4,4'-DDD	9.674	9.680	-0.006	665944454	120.000	110
16	Endosulfan II	9.789	9.798	-0.009	685811484	120.000	120
17	4,4'-DDT	10.067	10.076	-0.009	607022137	120.000	120
18	Endrin aldehyde	10.154	10.160	-0.006	532198122	120.000	110
20	Endosulfan sulfate	10.357	10.366	-0.009	598029473	120.000	110
19	Methoxychlor	11.009	11.017	-0.008	1667991631	600.000	600(M2)
21	Endrin ketone	11.228	11.237	-0.009	703276097	120.000	120
$ 22	Decachlorobiphenyl	12.703	12.710	-0.007	278216086	60.0000	53

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

Data File: /chem/gcsv16a.i/2080104.b/sv16a016.d
Date : 04-JAN-2008 15:42
Client ID:
Sample Info: 1400*1 80-12-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

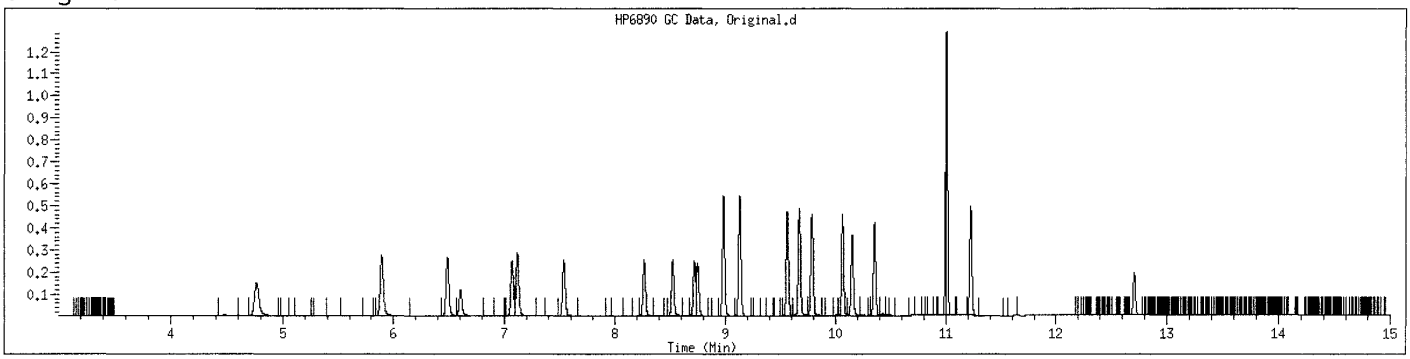


Data file : /var/chem/gcsv16a.i/2080104.b/sv16a016.d Page: 1
Report Date: 01/07/2008 10:49

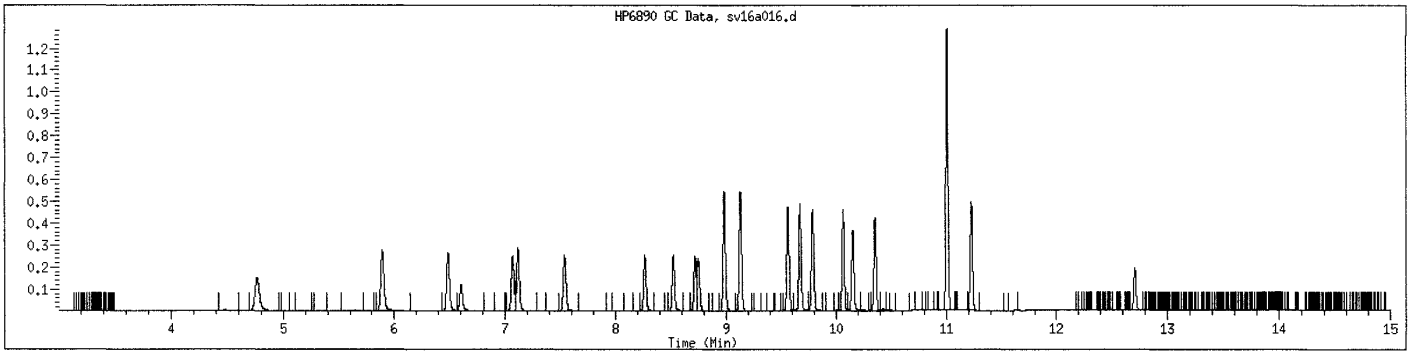
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 01/04/2008 15:42	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-12-8		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080104.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



169514

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a031.d
Report Date: 07-Jan-2008 10:49

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 04-JAN-2008 20:33
Lab File ID: sv16a031.d Init. Cal. Date(s): 30-DEC-2007 31-DEC-2007
Analysis Type: WATER Init. Cal. Times: 17:05 13:30
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080104.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	7494255	7192864	0.010	4.02163	15.00000	Averaged
2 alpha-BHC	9766927	10001892	0.010	-2.40572	15.00000	Averaged
3 gamma-BHC (Lindane)	8499221	8641678	0.010	-1.67612	15.00000	Averaged
6 beta-BHC	3841038	3848670	0.010	-0.19869	15.00000	Averaged
4 Heptachlor	7448745	7315618	0.010	1.78724	15.00000	Averaged
7 delta-BHC	8351100	8479170	0.010	-1.53356	15.00000	Averaged
5 Aldrin	7571614	7621486	0.010	-0.65867	15.00000	Averaged
8 Heptachlor epoxide	6852291	6854868	0.010	-0.03761	15.00000	Averaged
10 gamma-Chlordane	6860907	6836718	0.010	0.35255	15.00000	Averaged
11 alpha-Chlordane	6431424	6347428	0.010	1.30603	15.00000	Averaged
9 Endosulfan I	6306988	6358985	0.010	-0.82443	15.00000	Averaged
12 4,4'-DDE	6860863	6733732	0.010	1.85299	15.00000	Averaged
13 Dieldrin	7045032	7014388	0.010	0.43498	15.00000	Averaged
14 Endrin	5884345	5891276	0.010	-0.11779	15.00000	Averaged
15 4,4'-DDD	5900516	5863345	0.010	0.62995	15.00000	Averaged
16 Endosulfan II	5905148	5945833	0.010	-0.68898	15.00000	Averaged
17 4,4'-DDT	5002380	5129820	0.010	-2.54759	15.00000	Averaged
18 Endrin aldehyde	4663037	4654246	0.010	0.18852	15.00000	Averaged
20 Endosulfan sulfate	5315419	5262693	0.010	0.99195	15.00000	Averaged
19 Methoxychlor	2780002	2762474	0.010	0.63053	15.00000	Averaged
21 Endrin ketone	6045135	6161330	0.010	-1.92212	15.00000	Averaged
$ 22 Decachlorobiphenyl	5276917	4830512	0.010	8.45959	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 1.51215
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

169515

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a031.d
Report Date: 07-Jan-2008 10:49

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a031.d
Lab Smp Id: 1400
Inj Date : 04-JAN-2008 20:33
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-12-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:49 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 31 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.770	4.777	-0.007	431571839	60.0000	58
2	alpha-BHC	5.894	5.900	-0.006	600113537	60.0000	61
3	gamma-BHC (Lindane)	6.486	6.491	-0.005	518500704	60.0000	61
6	beta-BHC	6.603	6.610	-0.007	230920190	60.0000	60
4	Heptachlor	7.069	7.077	-0.008	438937088	60.0000	59
7	delta-BHC	7.118	7.127	-0.009	508750186	60.0000	61
5	Aldrin	7.540	7.548	-0.008	457289158	60.0000	60
8	Heptachlor epoxide	8.267	8.276	-0.009	411292078	60.0000	60
10	gamma-Chlordane	8.524	8.531	-0.007	410203103	60.0000	60
11	alpha-Chlordane	8.721	8.728	-0.007	380845667	60.0000	59
9	Endosulfan I	8.752	8.759	-0.007	381539091	60.0000	60
12	4,4'-DDE	8.987	8.991	-0.004	808047826	120.000	120
13	Dieldrin	9.133	9.140	-0.007	841726512	120.000	120

169516

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a031.d
Report Date: 07-Jan-2008 10:49

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.567	9.574	-0.007	706953166	120.000	120
	15 4,4'-DDD	9.676	9.681	-0.005	703601452	120.000	120
	16 Endosulfan II	9.792	9.798	-0.006	713499977	120.000	120
	17 4,4'-DDT	10.068	10.076	-0.008	615578402	120.000	120
	18 Endrin aldehyde	10.156	10.161	-0.005	558509540	120.000	120
	20 Endosulfan sulfate	10.358	10.366	-0.008	631523129	120.000	120
	19 Methoxychlor	11.012	11.018	-0.006	1657484136	600.000	600(M2)
	21 Endrin ketone	11.229	11.237	-0.008	739359599	120.000	120
$	22 Decachlorobiphenyl	12.706	12.711	-0.005	289830714	60.0000	55

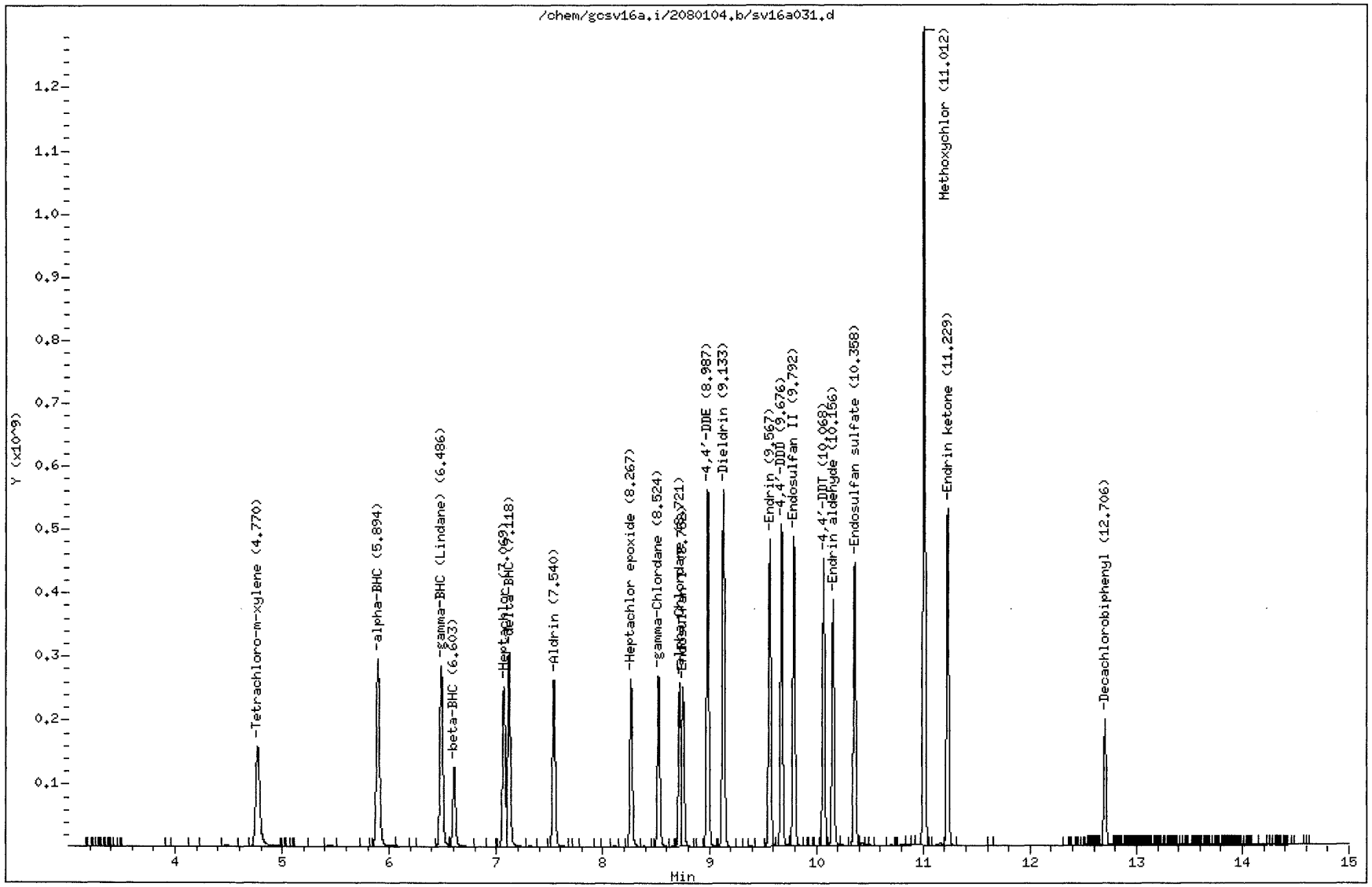
QC Flag Legend

M2- Compound response manually integrated because Target system integrated incorrectly.

169517

Data File: /chem/gcsv16a.i/2080104.b/sv16a031.d
Date : 04-JAN-2008 20:33
Client ID:
Sample Info: 1400x1 80-12-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

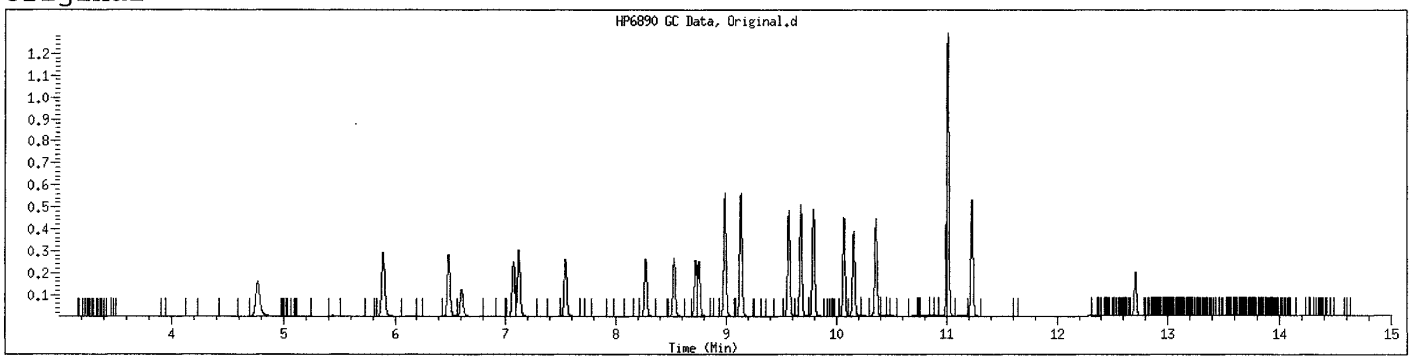


Data file : /var/chem/gcsv16a.i/2080104.b/sv16a031.d Page: 1
Report Date: 01/07/2008 10:49

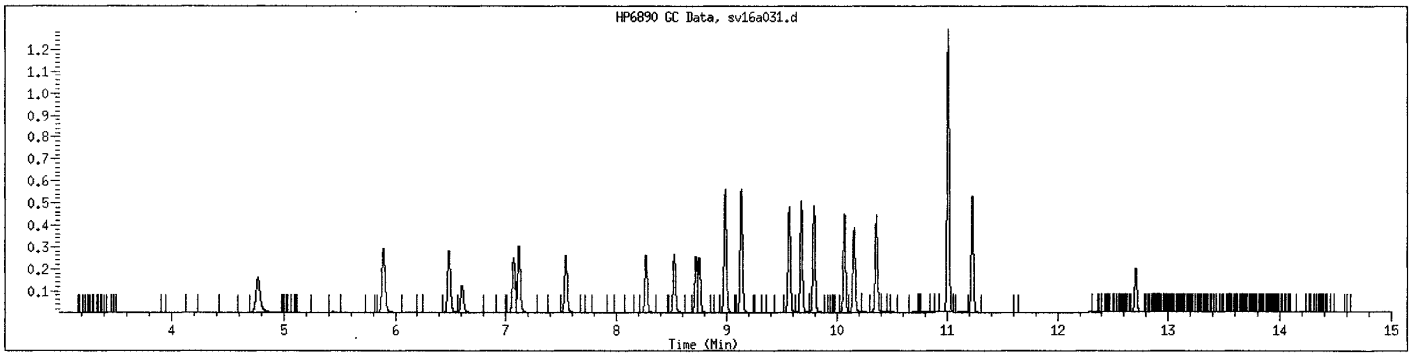
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 01/04/2008 20:33	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-12-8		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080104.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



169519

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: MB559285

Lab Code: LA024 | Case No.: | Contract:

Matrix: Water | SAS No.: | SDG No.: 207122020

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 559285

Level: (low/med) LOW | Date Collected: | Time:

% Moisture: | decanted: (Y/N) | Date Received:

GC Column: RTX-XLB-30 | ID: .25 (mm) | Date Extracted: 12/25/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/28/07 | Time: 1225

Soil Aliquot Volume: | (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3510C

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081A

Prep Batch: 364075 | Analytical Batch: 364419 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18B

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2071228/sv18b005

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.0000250	U	0.000001	0.000025
319-85-7	beta-BHC	0.0000250	U	0.000001	0.000025
319-86-8	delta-BHC	0.0000250	U	0.000001	0.000025
1024-57-3	Heptachlor epoxide	0.0000250	U	0.000002	0.000025
959-98-8	Endosulfan I	0.0000250	U	0.000003	0.000025
72-55-9	4,4'-DDE	0.0000500	U	0.000001	0.000050
33213-65-9	Endosulfan II	0.0000500	U	0.000001	0.000050
72-54-8	4,4'-DDD	0.0000500	U	0.000002	0.000050
1031-07-8	Endosulfan sulfate	0.0000500	U	0.000001	0.000050
72-43-5	Methoxychlor	0.000250	U	0.000002	0.000250
53494-70-5	Endrin ketone	0.0000500	U	0.000001	0.000050
7421-93-4	Endrin aldehyde	0.0000500	U	0.000001	0.000050
5103-71-9	alpha-Chlordane	0.0000250	U	0.000004	0.000025
5103-74-2	gamma-Chlordane	0.0000250	U	0.000005	0.000025
8001-35-2	Toxaphene	0.00250	U	0.000275	0.00250
58-89-9	gamma-BHC (Lindane)	0.0000250	U	0.000001	0.000025
76-44-8	Heptachlor	0.0000250	U	0.000002	0.000025
309-00-2	Aldrin	0.0000250	U	0.000002	0.000025
60-57-1	Dieldrin	0.0000500	U	0.000004	0.000050
72-20-8	Endrin	0.0000500	U	0.000001	0.000050
50-29-3	4,4'-DDT	0.0000500	U	0.000001	0.000050

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b005.d
Report Date: 31-Dec-2007 10:40

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071228.b/sv18b005.d
Lab Smp Id: 559288
Inj Date : 28-DEC-2007 12:25
Operator : tls ~~RS~~ RBM 1/10/08 Inst ID: gcsv18b.i
Smp Info : 559~~288~~*1 mb w
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Meth Date : 31-Dec-2007 10:36 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:58 Cal File: sv18b025.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

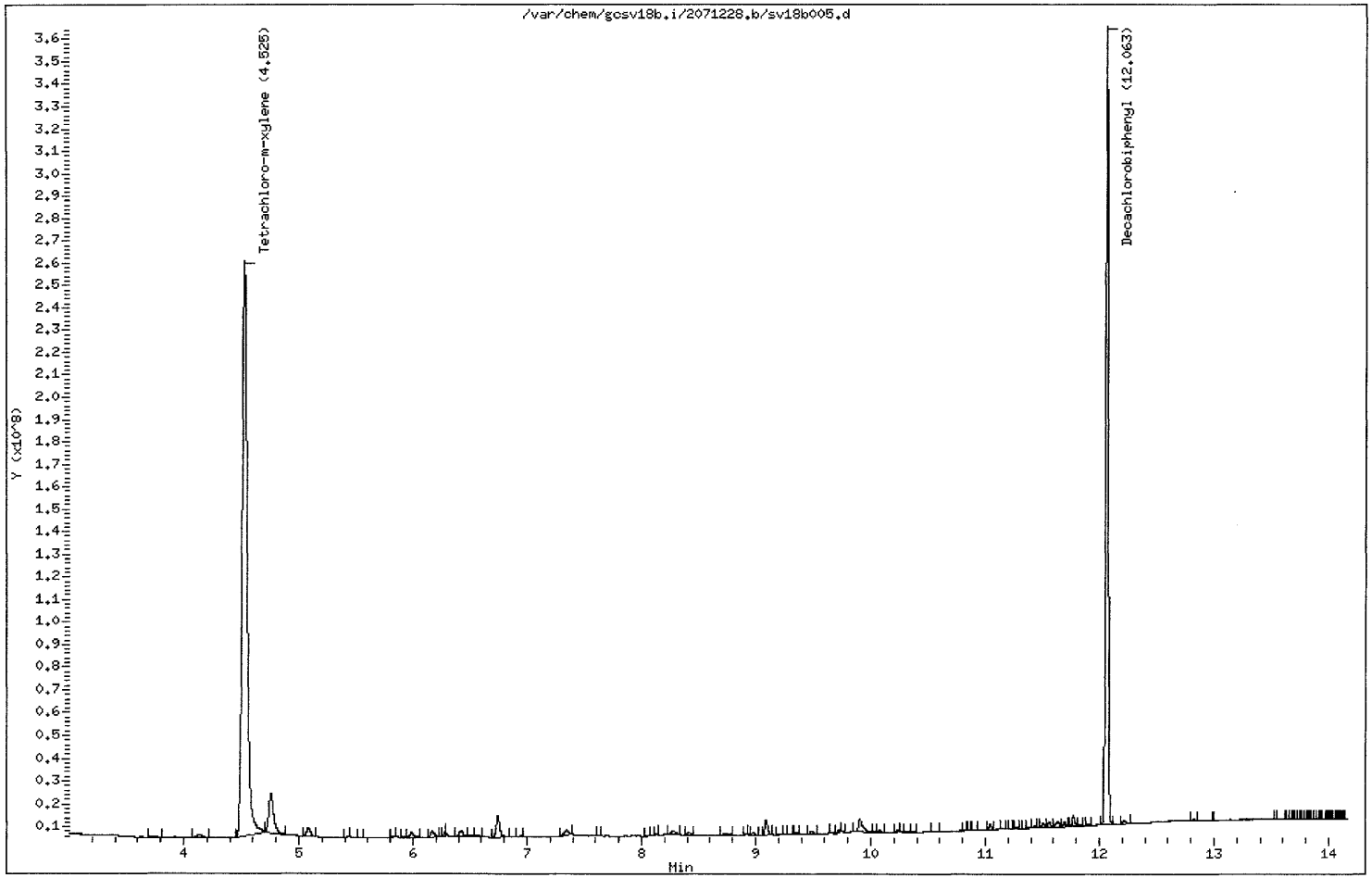
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$ 1 Tetrachloro-m-xylene	4.525	4.522	0.003	755214488	97.5461	0.49
$ 22 Decachlorobiphenyl	12.063	12.062	0.001	512512712	88.4736	0.44

1020

169521

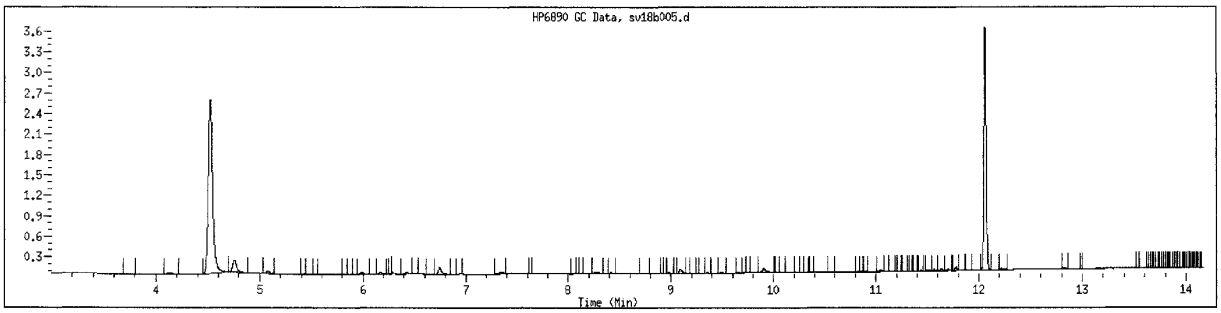
Data File: /var/chem/gcsv18b.i/2071228.b/sv18b005.d
Date : 28-DEC-2007 12:25
Client ID:
Instrument: gcsv18b.i
Sample Info: 559288*1 mb w
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-XLB-30M
Column diameter: 0.32



Data file : /var/chem/gcsv18b.i/2071228.b/sv18b005.d Page: 1
Report Date: 12/31/2007 10:40

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 559288 SampleType : SAMPLE
Injection Date: 12/28/2007 12:25 Instrument : gcsv18b.i
Operator : tls
Sample Info : 559288*1 mb w
Misc Info :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: all



NO MANUAL INTEGRATIONS

169523

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-35MS-3 ID: .25 (mm)

Concentrated Extract Volume: 5000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 364231 Analytical Batch: 364684

CONCENTRATION UNITS: *mg/kg*

Sample ID: MB559659

Contract:

SAS No.: SDG No.: 207122020

Lab Sample ID: 559659

Date Collected: Time:

Date Received:

Date Extracted: 12/30/07

Date Analyzed: 12/31/07 Time: 1401

Dilution Factor: 1 Analyst: SMH

Prep Method: 3550B

Analytical Method: SW-846 8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A

Lab File ID: 2071231/sv18a008

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.00100	U	0.000335	0.00100
319-85-7	beta-BHC	0.00200	U	0.000415	0.00200
319-86-8	delta-BHC	0.00100	U	0.000435	0.00100
1024-57-3	Heptachlor epoxide	0.00100	U	0.000360	0.00100
959-98-8	Endosulfan I	0.00100	U	0.000360	0.00100
72-55-9	4,4'-DDE	0.00200	U	0.000385	0.00200
33213-65-9	Endosulfan II	0.00200	U	0.000435	0.00200
72-54-8	4,4'-DDD	0.00200	U	0.000445	0.00200
1031-07-8	Endosulfan sulfate	0.00200	U	0.000455	0.00200
72-43-5	Methoxychlor	0.010	U	0.000550	0.010
53494-70-5	Endrin ketone	0.00200	U	0.000455	0.00200
7421-93-4	Endrin aldehyde	0.00200	U	0.000500	0.00200
5103-71-9	alpha-Chlordane	0.00100	U	0.000345	0.00100
5103-74-2	gamma-Chlordane	0.00100	U	0.000365	0.00100
8001-35-2	Toxaphene	0.100	U	0.00469	0.100
58-89-9	gamma-BHC (Lindane)	0.00100	U	0.000315	0.00100
76-44-8	Heptachlor	0.00100	U	0.000335	0.00100
309-00-2	Aldrin	0.00100	U	0.000380	0.00100
60-57-1	Dieldrin	0.00200	U	0.000375	0.00200
72-20-8	Endrin	0.00200	U	0.000450	0.00200
50-29-3	4,4'-DDT	0.00200	U	0.000430	0.00200

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a008.d
Report Date: 07-Jan-2008 10:47

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071231.b/sv18a008.d
Lab Smp Id: 559659
Inj Date : 31-DEC-2007 14:01
Operator : smh Inst ID: gcsv18a.i
Smp Info : 559659*1 mb s
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Meth Date : 07-Jan-2008 10:47 tls Quant Type: ESTD
Cal Date : 13-DEC-2007 18:05 Cal File: sv18a023.d
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

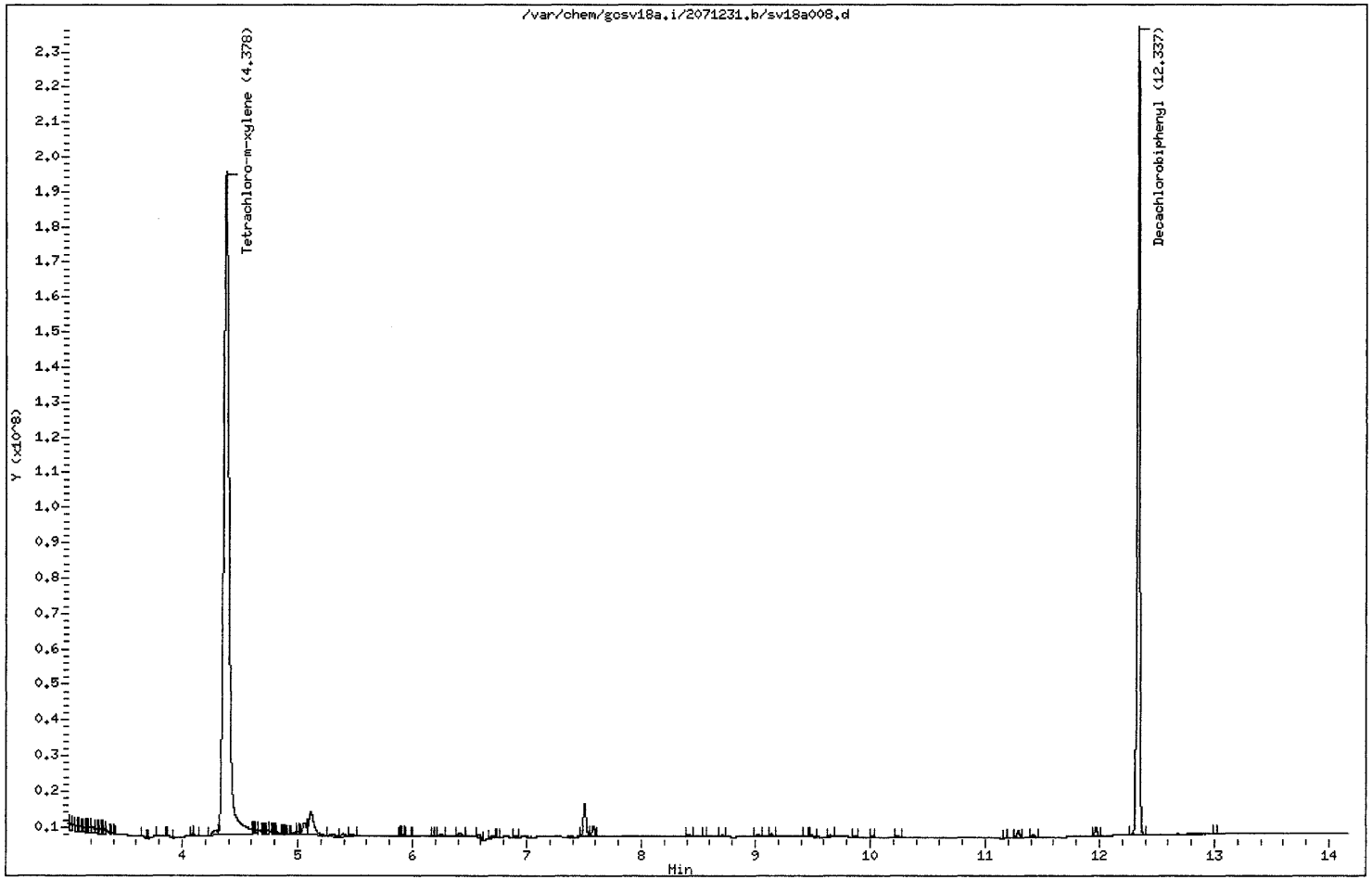
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.378	4.378	0.000	588464532	84.2328	14
$ 22 Decachlorobiphenyl	12.337	12.338	-0.001	336974835	82.4798	14

169525

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a008.d
Date : 31-DEC-2007 14:01
Client ID:
Sample Info: 559659x1 mb s
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

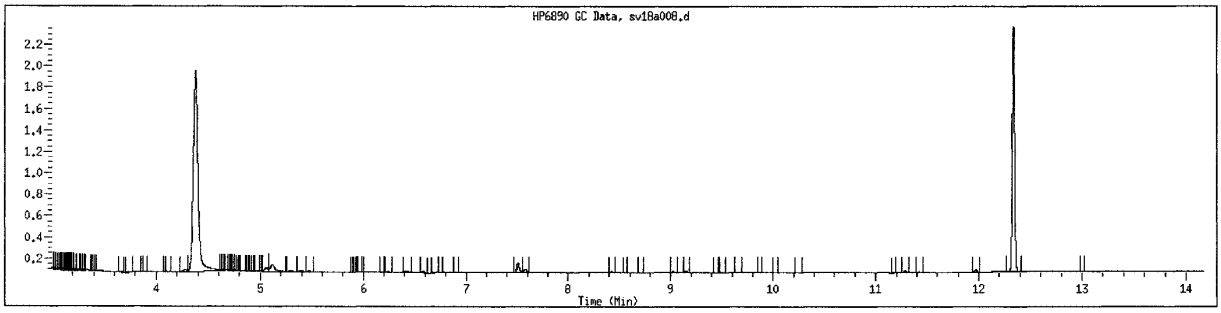
Instrument: gcsv18a.i
Operator: smh
Column diameter: 0.32



Data file : /var/chem/gcsv18a.i/2071231.b/sv18a008.d Page: 1
Report Date: 01/07/2008 10:47

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 559659	SampleType	: BLANK
Injection Date	: 12/31/2007 14:01	Instrument	: gcsv18a.i
Operator	: smh		
Sample Info	: 559659*1 mb s		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071231.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: Falcon	Compound Sublist	: all



NO MANUAL INTEGRATIONS

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCS559286

Lab Code: LA024 | Case No.: | Contract:

Matrix: Water | SAS No.: | SDG No.: 207122020

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 559286

Level: (low/med) LOW | Date Collected: | Time:

% Moisture: | decanted: (Y/N) | Date Received:

GC Column: RTX-XLB-30 | ID: .25 (mm) | Date Extracted: 12/25/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/28/07 | Time: 1242

Soil Aliquot Volume: | (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3510C

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081A

Prep Batch: 364075 | Analytical Batch: 364419 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18B

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2071228/sv18b006

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.000609	E	0.000001	0.000025
319-85-7	beta-BHC	0.000555	E	0.000001	0.000025
319-86-8	delta-BHC	0.000668	E	0.000001	0.000025
1024-57-3	Heptachlor epoxide	0.000601	E	0.000002	0.000025
959-98-8	Endosulfan I	0.000468		0.000003	0.000025
72-55-9	4,4'-DDE	0.000623		0.000001	0.000050
33213-65-9	Endosulfan II	0.000528		0.000001	0.000050
72-54-8	4,4'-DDD	0.000640		0.000002	0.000050
1031-07-8	Endosulfan sulfate	0.000623		0.000001	0.000050
72-43-5	Methoxychlor	0.000620		0.000002	0.000250
53494-70-5	Endrin ketone	0.000616		0.000001	0.000050
7421-93-4	Endrin aldehyde	0.000565		0.000001	0.000050
5103-71-9	alpha-Chlordane	0.000692	E	0.000004	0.000025
5103-74-2	gamma-Chlordane	0.000641	E	0.000005	0.000025
58-89-9	gamma-BHC (Lindane)	0.000618	E	0.000001	0.000025
76-44-8	Heptachlor	0.000580	E	0.000002	0.000025
309-00-2	Aldrin	0.000631	E	0.000002	0.000025
60-57-1	Dieldrin	0.000633		0.000004	0.000050
72-20-8	Endrin	0.000605		0.000001	0.000050
50-29-3	4,4'-DDT	0.000586		0.000001	0.000050

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b006.d
Report Date: 09-Jan-2008 14:35

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071228.b/sv18b006.d
Lab Smp Id: 559286
Inj Date : 28-DEC-2007 12:42
Operator : tls Inst ID: gcsv18b.i
Smp Info : 559286*1 lcs
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Meth Date : 31-Dec-2007 10:36 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:58 Cal File: sv18b025.d
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$ 1	Tetrachloro-m-xylene	4.527	4.522	0.005	824087761	106.442	0.53(A)
2	alpha-BHC	5.234	5.231	0.003	1270738276	121.741	0.61(A)
3	gamma-BHC (Lindane)	5.756	5.754	0.002	1103555564	123.557	0.62(A)
6	beta-BHC	6.226	6.224	0.002	473007536	110.974	0.55(A)
7	delta-BHC	6.578	6.577	0.001	1047928743	133.558	0.67(A)
4	Heptachlor	6.627	6.626	0.001	957368938	115.961	0.58(A)
5	Aldrin	7.075	7.074	0.001	1012375711	126.285	0.63(A)
8	Heptachlor epoxide	7.696	7.695	0.001	874685030	120.171	0.60(A)
10	gamma-Chlordane	8.129	8.128	0.001	902109513	128.100	0.64(A)
11	alpha-Chlordane	8.192	8.191	0.001	905600122	138.444	0.69(A)
9	Endosulfan I	8.227	8.226	0.001	631894669	93.5388	0.47
12	4,4'-DDE	8.439	8.439	0.000	897577092	124.640	0.62
13	Dieldrin	8.566	8.566	0.000	917081937	126.516	0.63

169529

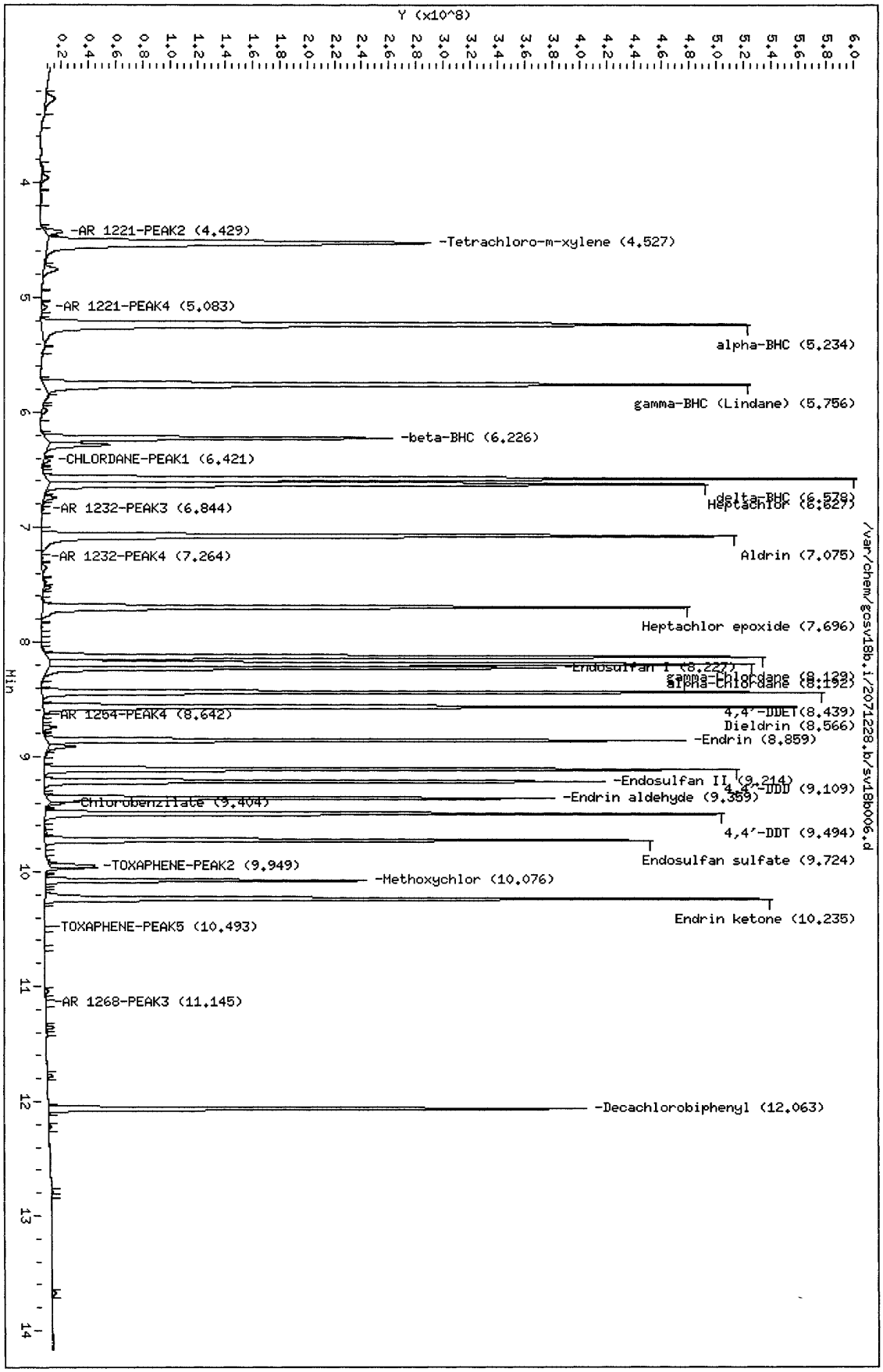
Data File: /var/chem/gcsv18b.i/2071228.b/sv18b006.d
Report Date: 09-Jan-2008 14:35

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
14 Endrin	8.859	8.857	0.002	727600752	121.029	0.61
15 4,4'-DDD	9.109	9.109	0.000	771326495	128.049	0.64
16 Endosulfan II	9.214	9.214	0.000	654341728	105.654	0.53
18 Endrin aldehyde	9.359	9.358	0.001	576490279	112.997	0.56
17 4,4'-DDT	9.494	9.493	0.001	739747012	117.121	0.59
20 Endosulfan sulfate	9.724	9.723	0.001	687345756	124.567	0.62
19 Methoxychlor	10.076	10.076	0.000	338369521	123.971	0.62
21 Endrin ketone	10.235	10.235	0.000	835265868	123.296	0.62
$ 22 Decachlorobiphenyl	12.063	12.062	0.001	571899168	98.7253	0.49

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

169530

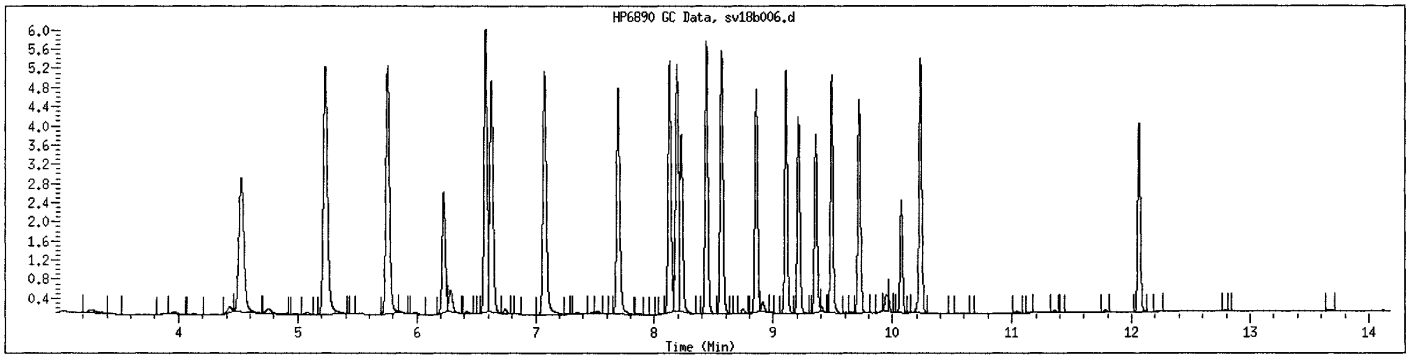


Data File: /var/chem/gcsv18b.i/20071228.b/sv18b006.d
Date : 28-DEC-2007 12:42
Client ID:
Sample Info: 559286x1 ics
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 559286	SampleType	: LCS
Injection Date	: 12/28/2007 12:42	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 559286*1 lcs		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071228.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

169532

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCS559660

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30 | Units: g | Lab Sample ID: 559660

Level: (low/med) LOW | Date Collected: | Time:

% Moisture: | decanted: (Y/N) | Date Received:

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/31/07 | Time: 1419

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: SMH

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081A

Prep Batch: 364231 | Analytical Batch: 364684 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2071231/sv18a009

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.013		0.000335	0.00100
319-85-7	beta-BHC	0.016		0.000415	0.00200
319-86-8	delta-BHC	0.00805		0.000435	0.00100
1024-57-3	Heptachlor epoxide	0.016		0.000360	0.00100
959-98-8	Endosulfan I	0.011		0.000360	0.00100
72-55-9	4,4'-DDE	0.017		0.000385	0.00200
33213-65-9	Endosulfan II	0.015		0.000435	0.00200
72-54-8	4,4'-DDD	0.018		0.000445	0.00200
1031-07-8	Endosulfan sulfate	0.012		0.000455	0.00200
72-43-5	Methoxychlor	0.017		0.000550	0.010
53494-70-5	Endrin ketone	0.017		0.000455	0.00200
7421-93-4	Endrin aldehyde	0.017		0.000500	0.00200
5103-71-9	alpha-Chlordane	0.016		0.000345	0.00100
5103-74-2	gamma-Chlordane	0.016		0.000365	0.00100
58-89-9	gamma-BHC (Lindane)	0.015		0.000315	0.00100
76-44-8	Heptachlor	0.013		0.000335	0.00100
309-00-2	Aldrin	0.016		0.000380	0.00100
60-57-1	Dieldrin	0.017		0.000375	0.00200
72-20-8	Endrin	0.017		0.000450	0.00200
50-29-3	4,4'-DDT	0.015		0.000430	0.00200

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a009.d
Report Date: 07-Jan-2008 10:47

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071231.b/sv18a009.d
Lab Smp Id: 559660
Inj Date : 31-DEC-2007 14:19
Operator : smh Inst ID: gcsv18a.i
Smp Info : 559660*1 lcs
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Meth Date : 07-Jan-2008 10:47 tls Quant Type: ESTD
Cal Date : 13-DEC-2007 18:05 Cal File: sv18a023.d
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

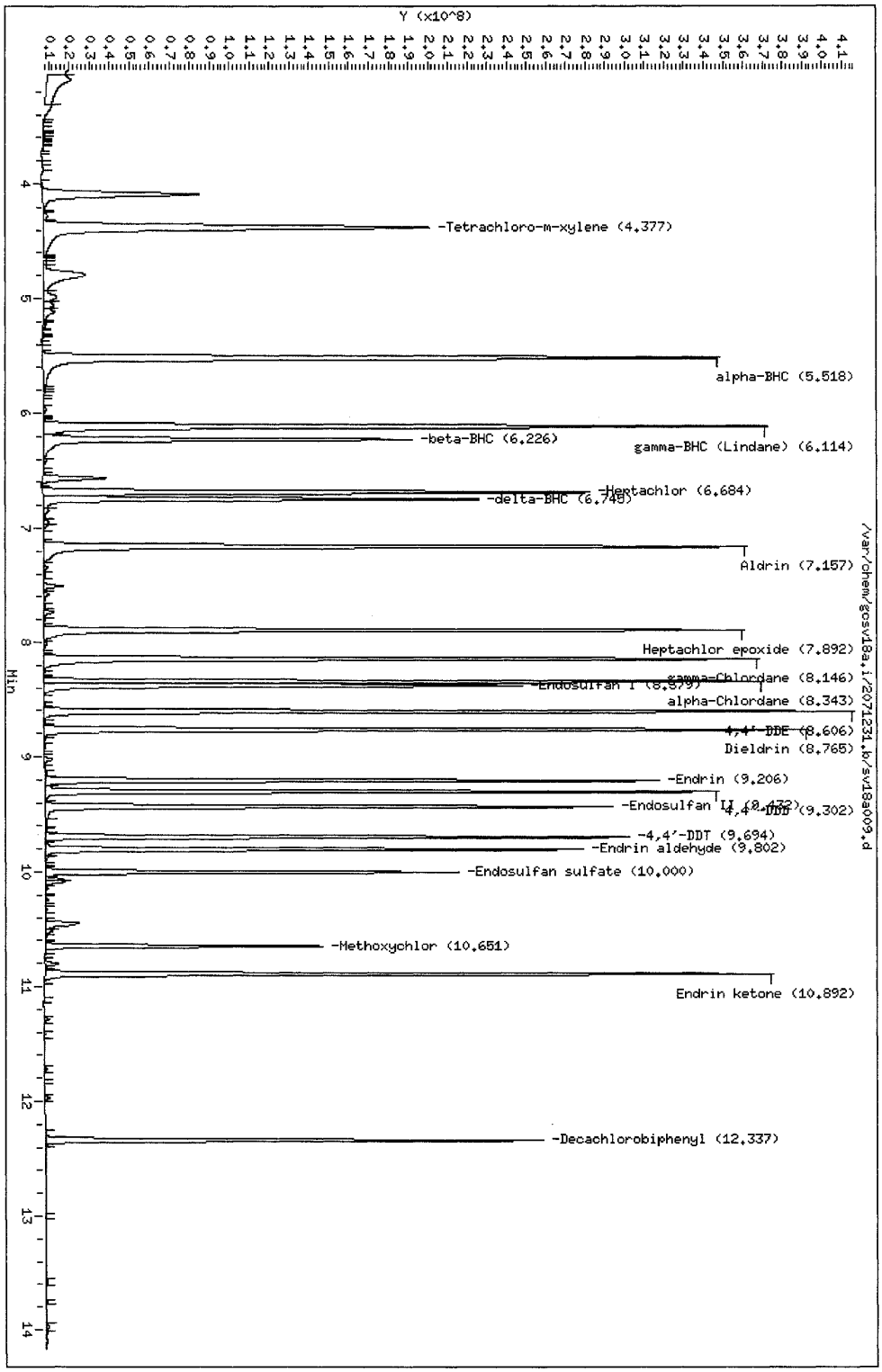
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	4.377	4.378	-0.001	610754892	87.4235	15
2	alpha-BHC	5.518	5.519	-0.001	780576851	80.0523	13
3	gamma-BHC (Lindane)	6.114	6.114	0.000	728243071	90.3517	15
6	beta-BHC	6.226	6.226	0.000	372489238	98.1173	16
4	Heptachlor	6.684	6.685	-0.001	502223471	75.4654	13
7	delta-BHC	6.745	6.745	0.000	385977524	48.3001	8.1
5	Aldrin	7.157	7.159	-0.002	690946281	95.5676	16
8	Heptachlor epoxide	7.892	7.894	-0.002	621035596	94.6595	16
10	gamma-Chlordane	8.146	8.146	0.000	635307888	97.9920	16
11	alpha-Chlordane	8.343	8.344	-0.001	587170979	97.6544	16
9	Endosulfan I	8.379	8.382	-0.003	410724026	68.2026	11
12	4,4'-DDE	8.606	8.607	-0.001	640329367	102.134	17

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a009.d
Report Date: 07-Jan-2008 10:47

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
13 Dieldrin	8.765	8.766	-0.001	639619613	102.171	17
14 Endrin	9.206	9.208	-0.002	484174156	100.132	17
15 4,4'-DDD	9.302	9.302	0.000	514855261	106.839	18
16 Endosulfan II	9.432	9.433	-0.001	468941242	88.2107	15
17 4,4'-DDT	9.694	9.696	-0.002	433526568	87.6460	15
18 Endrin aldehyde	9.802	9.803	-0.001	420824554	100.268	17
20 Endosulfan sulfate	10.000	10.002	-0.002	316194906	69.8492	12
19 Methoxychlor	10.651	10.653	-0.002	195990803	104.622	17
21 Endrin ketone	10.892	10.893	-0.001	565279147	104.062	17
$ 22 Decachlorobiphenyl	12.337	12.338	-0.001	366958521	89.8188	15

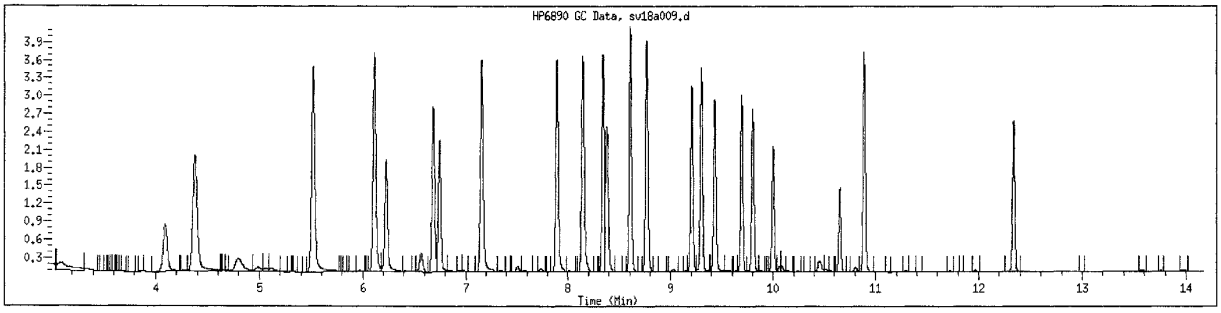
169535


Data File: /var/chem/gcsv18a.i/2071231.b/sv18a009.d
Date : 31-DEC-2007 14:19
Client ID:
Sample Info: 559660x1 lcs
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv18a.i
Operator: smh
Column diameter: 0.32
Y (x10^8)
Min
/var/chem/gcsv18a.i/2071231.b/sv18a009.d
-Tetrachloro-m-xylene (4.377)
alpha-BHC (5.518)
-beta-BHC (6.226)
gamma-BHC (Lindane) (6.114)
-Heptachlor (6.684)
-delta-BHC (6.748)
Aldrin (7.157)
Heptachlor epoxide (7.892)
-Endosulfan I (8.579)
gamma-Chlordane (8.146)
alpha-Chlordane (8.343)
4,4'-DDE (8.606)
Dieldrin (8.765)
-Endrin (9.206)
-Endosulfan II (9.432)
4,4'-DDD (9.302)
-4,4'-DDT (9.694)
-Endrin aldehyde (9.802)
-Endosulfan sulfate (10.000)
-Methoxychlor (10.651)
Endrin ketone (10.892)
-Decachlorobiphenyl (12.337)

Data file : /var/chem/gcsv18a.i/2071231.b/sv18a009.d Page: 1
Report Date: 01/07/2008 10:48

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 559660 SampleType : LCS
Injection Date: 12/31/2007 14:19 Instrument : gcsv18a.i
Operator : smh
Sample Info : 559660*1 lcs
Misc Info :
Method : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: 8081



NO MANUAL INTEGRATIONS

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCSD559287

Lab Code: LA024 | Case No.: | Contract:

Matrix: Water | SAS No.: | SDG No.: 207122020

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 559287

Level: (low/med) LOW | Date Collected: | Time:

% Moisture: | decanted: (Y/N) | Date Received:

GC Column: RTX-XLB-30 | ID: .25 (mm) | Date Extracted: 12/25/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/28/07 | Time: 1300

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3510C

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081A

Prep Batch: 364075 | Analytical Batch: 364419 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18B

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2071228/sv18b007

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.000627	E	0.000001	0.000025
319-85-7	beta-BHC	0.000578	E	0.000001	0.000025
319-86-8	delta-BHC	0.000690	E	0.000001	0.000025
1024-57-3	Heptachlor epoxide	0.000622	E	0.000002	0.000025
959-98-8	Endosulfan I	0.000501	E	0.000003	0.000025
72-55-9	4,4'-DDE	0.000643		0.000001	0.000050
33213-65-9	Endosulfan II	0.000550		0.000001	0.000050
72-54-8	4,4'-DDD	0.000666		0.000002	0.000050
1031-07-8	Endosulfan sulfate	0.000644		0.000001	0.000050
72-43-5	Methoxychlor	0.000639		0.000002	0.000250
53494-70-5	Endrin ketone	0.000644		0.000001	0.000050
7421-93-4	Endrin aldehyde	0.000592		0.000001	0.000050
5103-71-9	alpha-Chlordane	0.000705	E	0.000004	0.000025
5103-74-2	gamma-Chlordane	0.000661	E	0.000005	0.000025
58-89-9	gamma-BHC (Lindane)	0.000640	E	0.000001	0.000025
76-44-8	Heptachlor	0.000598	E	0.000002	0.000025
309-00-2	Aldrin	0.000651	E	0.000002	0.000025
60-57-1	Dieldrin	0.000653		0.000004	0.000050
72-20-8	Endrin	0.000615		0.000001	0.000050
50-29-3	4,4'-DDT	0.000602		0.000001	0.000050

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b007.d
Report Date: 09-Jan-2008 14:36

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071228.b/sv18b007.d
Lab Smp Id: 559287
Inj Date : 28-DEC-2007 13:00
Operator : tls Inst ID: gcsv18b.i
Smp Info : 559287*1 lcsd
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Meth Date : 31-Dec-2007 10:36 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:58 Cal File: sv18b025.d
Als bottle: 7 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$ 1	Tetrachloro-m-xylene	4.525	4.522	0.003	852176040	110.070	0.55(A)
2	alpha-BHC	5.233	5.231	0.002	1308068005	125.317	0.63(A)
3	gamma-BHC (Lindane)	5.755	5.754	0.001	1143173296	127.993	0.64(A)
6	beta-BHC	6.225	6.224	0.001	492883849	115.637	0.58(A)
7	delta-BHC	6.578	6.577	0.001	1082094762	137.913	0.69(A)
4	Heptachlor	6.626	6.626	0.000	987747837	119.641	0.60(A)
5	Aldrin	7.074	7.074	0.000	1044111222	130.244	0.65(A)
8	Heptachlor epoxide	7.695	7.695	0.000	905640906	124.424	0.62(A)
10	gamma-Chlordane	8.128	8.128	0.000	931317842	132.248	0.66(A)
11	alpha-Chlordane	8.191	8.191	0.000	922448884	141.020	0.71(A)
9	Endosulfan I	8.227	8.226	0.001	676972484	100.212	0.50(A)
12	4,4'-DDE	8.439	8.439	0.000	926344246	128.635	0.64
13	Dieldrin	8.566	8.566	0.000	946043118	130.511	0.65

169539

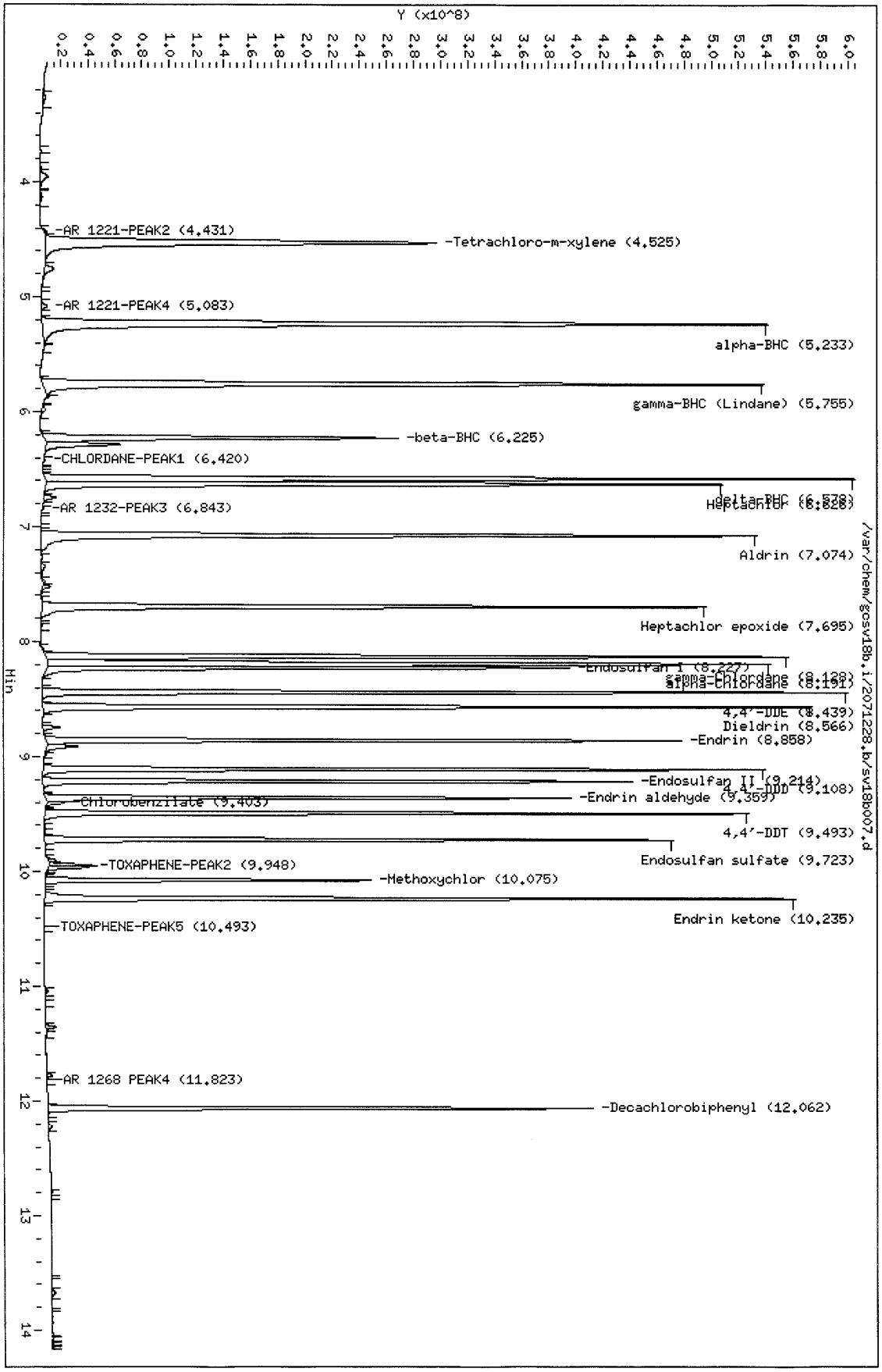
Data File: /var/chem/gcsv18b.i/2071228.b/sv18b007.d
Report Date: 09-Jan-2008 14:36

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
14	Endrin	8.858	8.857	0.001	739409378	122.994	0.61
15	4,4'-DDD	9.108	9.109	-0.001	802327763	133.196	0.67
16	Endosulfan II	9.214	9.214	0.000	681827929	110.092	0.55
18	Endrin aldehyde	9.359	9.358	0.001	603818177	118.354	0.59
17	4,4'-DDT	9.493	9.493	0.000	760820131	120.458	0.60
20	Endosulfan sulfate	9.723	9.723	0.000	711143197	128.879	0.64
19	Methoxychlor	10.075	10.076	-0.001	348688708	127.752	0.64
21	Endrin ketone	10.235	10.235	0.000	872167974	128.743	0.64
$ 22	Decachlorobiphenyl	12.062	12.062	0.000	593165040	102.396	0.51

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

169540

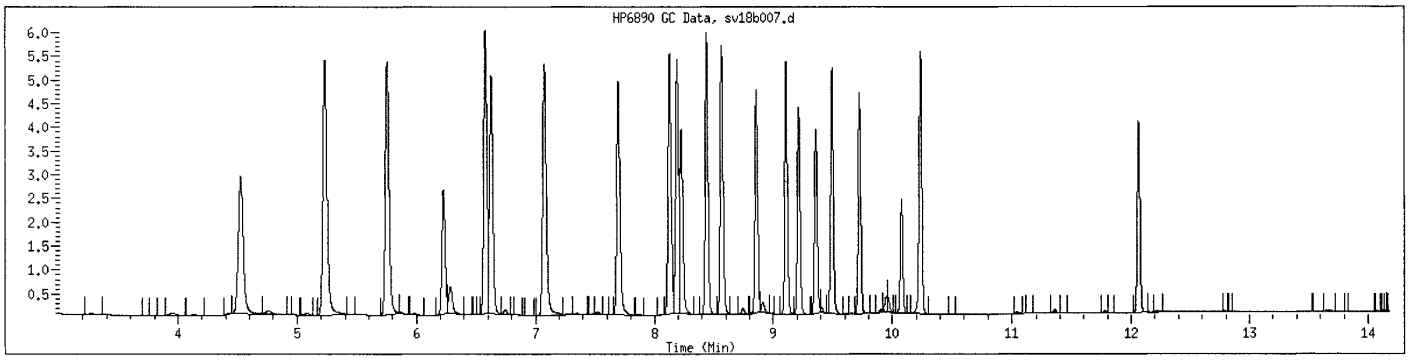


Data File: /var/chem/gcsv18b.i/20071228.b/sv18b007.d
Date : 28-DEC-2007 13:00
Client ID:
Sample Info: 559287w1 lcsd
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 559287 SampleType : LCSD
Injection Date: 12/28/2007 13:00 Instrument : gcsv18b.i
Operator : tls
Sample Info : 559287*1 lcsd
Misc Info :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: 8081



NO MANUAL INTEGRATIONS

169542

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCSD559661

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30 | Units: g | Lab Sample ID: 559661

Level: (low/med) LOW | Date Collected: | Time:

% Moisture: | decanted: (Y/N) | Date Received:

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/31/07 | Time: 1437

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: SMH

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081A

Prep Batch: 364231 | Analytical Batch: 364684 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2071231/sv18a010

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.017	E	0.000335	0.00100
319-85-7	beta-BHC	0.019	E	0.000415	0.00200
319-86-8	delta-BHC	0.018	E	0.000435	0.00100
1024-57-3	Heptachlor epoxide	0.018	E	0.000360	0.00100
959-98-8	Endosulfan I	0.013		0.000360	0.00100
72-55-9	4,4'-DDE	0.019		0.000385	0.00200
33213-65-9	Endosulfan II	0.017		0.000435	0.00200
72-54-8	4,4'-DDD	0.021		0.000445	0.00200
1031-07-8	Endosulfan sulfate	0.019		0.000455	0.00200
72-43-5	Methoxychlor	0.020		0.000550	0.010
53494-70-5	Endrin ketone	0.020		0.000455	0.00200
7421-93-4	Endrin aldehyde	0.019		0.000500	0.00200
5103-71-9	alpha-Chlordane	0.019	E	0.000345	0.00100
5103-74-2	gamma-Chlordane	0.019	E	0.000365	0.00100
58-89-9	gamma-BHC (Lindane)	0.018	E	0.000315	0.00100
76-44-8	Heptachlor	0.017	E	0.000335	0.00100
309-00-2	Aldrin	0.018	E	0.000380	0.00100
60-57-1	Dieldrin	0.019		0.000375	0.00200
72-20-8	Endrin	0.019		0.000450	0.00200
50-29-3	4,4'-DDT	0.018		0.000430	0.00200

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a010.d
Report Date: 07-Jan-2008 10:48

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071231.b/sv18a010.d
Lab Smp Id: 559661
Inj Date : 31-DEC-2007 14:37
Operator : smh Inst ID: gcsv18a.i
Smp Info : 559661*1 lcsd
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Meth Date : 07-Jan-2008 10:47 tls Quant Type: ESTD
Cal Date : 13-DEC-2007 18:05 Cal File: sv18a023.d
Als bottle: 10 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	4.376	4.378	-0.002	699836942	100.175	17(A)
2	alpha-BHC	5.518	5.519	-0.001	1000274153	102.583	17(A)
3	gamma-BHC (Lindane)	6.113	6.114	-0.001	879628296	109.134	18(A)
6	beta-BHC	6.225	6.226	-0.001	423444844	111.539	19(A)
4	Heptachlor	6.683	6.685	-0.002	693445044	104.199	17(A)
7	delta-BHC	6.744	6.745	-0.001	837664741	104.823	17(A)
5	Aldrin	7.158	7.159	-0.001	795511772	110.030	18(A)
8	Heptachlor epoxide	7.892	7.894	-0.002	704106111	107.321	18(A)
10	gamma-Chlordane	8.144	8.146	-0.002	719302925	110.948	18(A)
11	alpha-Chlordane	8.343	8.344	-0.001	674519683	112.182	19(A)
9	Endosulfan I	8.378	8.382	-0.004	462211116	76.7523	13
12	4,4'-DDE	8.606	8.607	-0.001	705316970	112.499	19

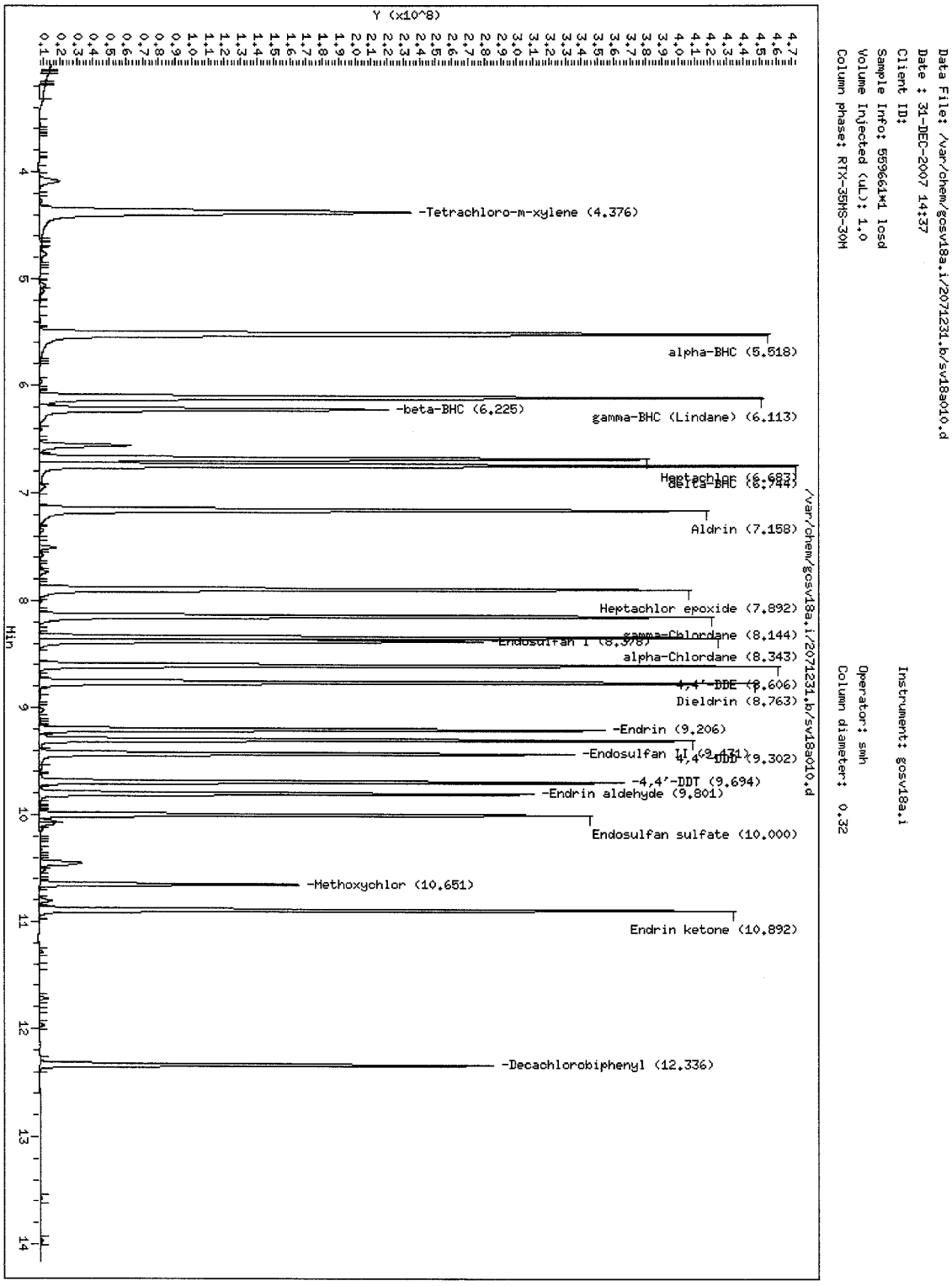
Data File: /var/chem/gcsv18a.i/2071231.b/sv18a010.d
Report Date: 07-Jan-2008 10:48

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
13	Dieldrin	8.763	8.766	-0.003	722894365	115.473	19
14	Endrin	9.206	9.208	-0.002	546777348	113.079	19
15	4,4'-DDD	9.302	9.302	0.000	606071483	125.768	21
16	Endosulfan II	9.431	9.433	-0.002	533639977	100.381	17
17	4,4'-DDT	9.694	9.696	-0.002	519486724	105.025	18
18	Endrin aldehyde	9.801	9.803	-0.002	476619396	113.562	19
20	Endosulfan sulfate	10.000	10.002	-0.002	507680813	112.150	19
19	Methoxychlor	10.651	10.653	-0.002	224856443	120.031	20
21	Endrin ketone	10.892	10.893	-0.001	648260094	119.338	20
$ 22	Decachlorobiphenyl	12.336	12.338	-0.002	405707300	99.3032	17

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

169545

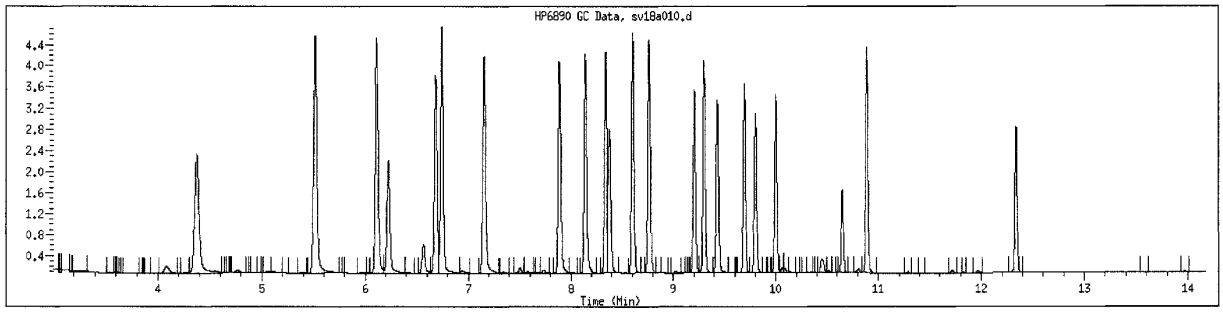

Data File: /var/chem/gcsv18a.i/20071231.b/sv18a010.d
Date : 31-DEC-2007 14:37
Client ID:
Sample Info: 559661x1 lcsd
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv18a.i
Operator: smh
Column diameter: 0.32
Y (x10^8)
Min
/var/chem/gcsv18a.i/20071231.b/sv18a010.d
-Tetrachloro-m-xylene (4.376)
alpha-BHC (5.518)
-beta-BHC (6.225)
gamma-BHC (Lindane) (6.113)
Heptachlor (6.683)
delta-BHC (6.744)
Aldrin (7.158)
Heptachlor epoxide (7.892)
gamma-Chlordane (8.144)
-Endosulfan I (8.378)
alpha-Chlordane (8.343)
4,4'-DDE (8.606)
Dieldrin (8.763)
-Endrin (9.206)
-Endosulfan II (9.431)
4,4'-DDD (9.302)
-4,4'-DDT (9.694)
-Endrin aldehyde (9.801)
Endosulfan sulfate (10.000)
-Methoxychlor (10.651)
Endrin ketone (10.892)
-Decachlorobiphenyl (12.336)

169546

Data file : /var/chem/gcsv18a.i/2071231.b/sv18a010.d Page: 1
Report Date: 01/07/2008 10:48

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 559661	SampleType	: LCSD
Injection Date	: 12/31/2007 14:37	Instrument	: gcsv18a.i
Operator	: smh		
Sample Info	: 559661*1 lcsd		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071231.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED9 MS (1-2)

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30 | Units: g | Lab Sample ID: 20712202002

Level: (low/med) LOW | Date Collected: 12/19/07 | Time: 1200

% Moisture: 18.0 | decanted: (Y/N) | Date Received: 12/20/07

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/08 | Time: 1234

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081A

Prep Batch: 364231 | Analytical Batch: 364684 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080104/sv16a007

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.026		0.000543	0.00244
72-55-9	4,4'-DDE	0.026		0.000470	0.00244
50-29-3	4,4'-DDT	0.028		0.000524	0.00244
309-00-2	Aldrin	0.026	E	0.000463	0.00122
60-57-1	Dieldrin	0.026		0.000457	0.00244
959-98-8	Endosulfan I	0.018		0.000439	0.00122
33213-65-9	Endosulfan II	0.022		0.000531	0.00244
1031-07-8	Endosulfan sulfate	0.026		0.000555	0.00244
72-20-8	Endrin	0.026		0.000549	0.00244
7421-93-4	Endrin aldehyde	0.025		0.000610	0.00244
53494-70-5	Endrin ketone	0.027		0.000555	0.00244
76-44-8	Heptachlor	0.025	E	0.000409	0.00122
1024-57-3	Heptachlor epoxide	0.026	E	0.000439	0.00122
72-43-5	Methoxychlor	0.025		0.000671	0.012
8001-35-2	Toxaphene	0.122	U	0.00571	0.122
319-84-6	alpha-BHC	0.026	E	0.000409	0.00122
5103-71-9	alpha-Chlordane	0.027	E	0.000421	0.00122
319-85-7	beta-BHC	0.026	E	0.000506	0.00244
319-86-8	delta-BHC	0.026	E	0.000531	0.00122
58-89-9	gamma-BHC (Lindane)	0.026	E	0.000384	0.00122
5103-74-2	gamma-Chlordane	0.029	E	0.000445	0.00122

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a007.d
Report Date: 07-Jan-2008 10:49

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a007.d
Lab Smp Id: 20712202002
Inj Date : 04-JAN-2008 12:34
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20712202002*1ms
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:49 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 7 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	4.776	4.778	-0.002	823611139	109.899	18(A)
2	alpha-BHC	5.899	5.900	-0.001	1242841749	127.250	21(A)
3	gamma-BHC (Lindane)	6.488	6.491	-0.003	1079245779	126.982	21(A)
6	beta-BHC	6.606	6.610	-0.004	484457547	126.127	21(A)
4	Heptachlor	7.072	7.077	-0.005	908731229	121.998	20(A)
7	delta-BHC	7.120	7.126	-0.006	1068344838	127.929	21(A)
5	Aldrin	7.541	7.547	-0.006	974427163	128.695	21(A)
8	Heptachlor epoxide	8.268	8.276	-0.008	890842083	130.006	22(A)
10	gamma-Chlordane	8.526	8.531	-0.005	988133164	144.024	24(A)
11	alpha-Chlordane	8.722	8.728	-0.006	856260352	133.137	22(A)
9	Endosulfan I	8.752	8.759	-0.007	558346641	88.5282	15
12	4,4'-DDE	8.987	8.991	-0.004	872707215	127.201	21

169549

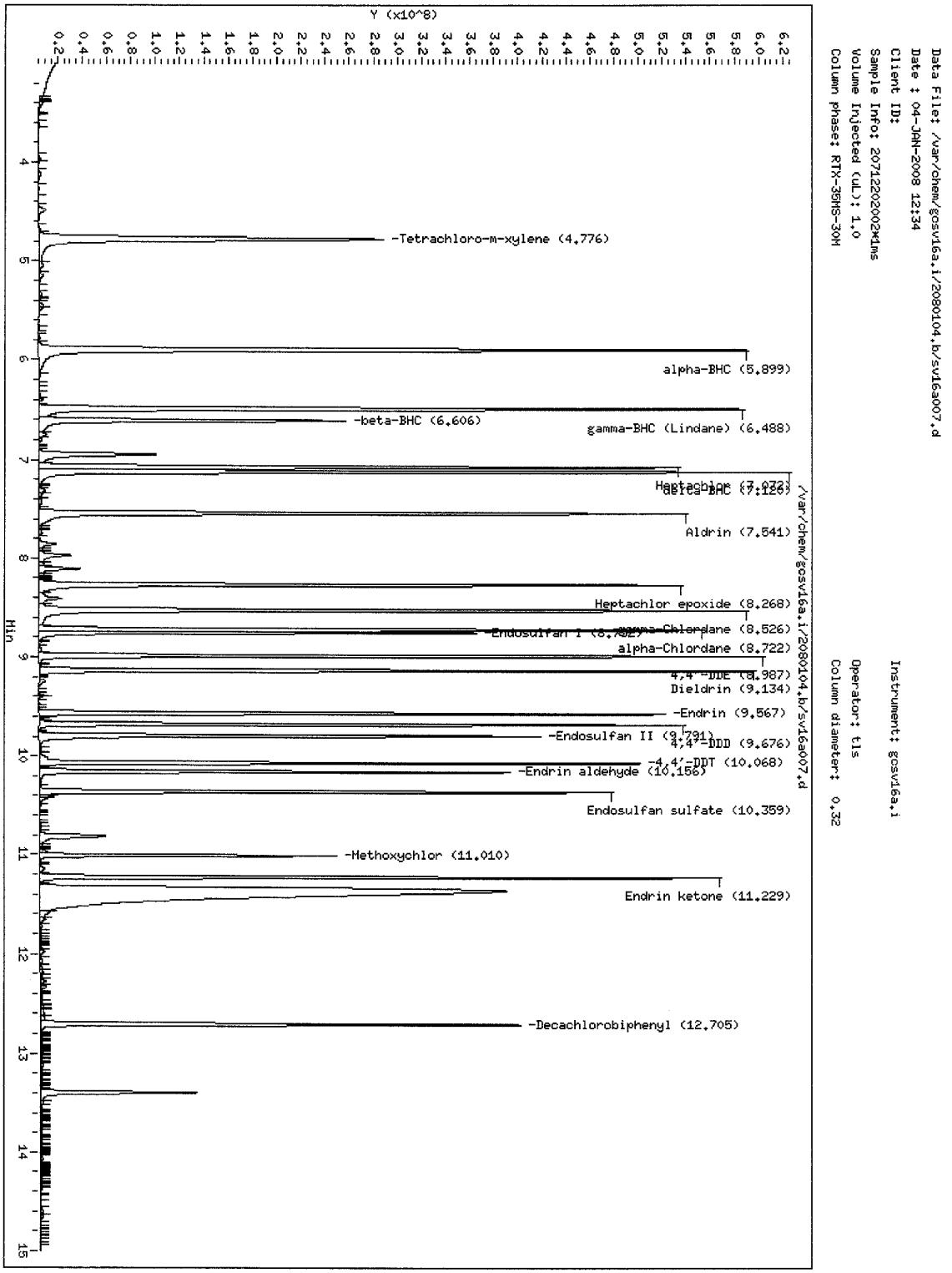
Data File: /var/chem/gcsv16a.i/2080104.b/sv16a007.d
Report Date: 07-Jan-2008 10:49

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
	13 Dieldrin	9.134	9.139	-0.005	911769206	129.420	22
	14 Endrin	9.567	9.574	-0.007	764444316	129.912	22
	15 4,4'-DDD	9.676	9.681	-0.005	748907187	126.922	21
	16 Endosulfan II	9.791	9.798	-0.007	650475722	110.154	18
	17 4,4'-DDT	10.068	10.076	-0.008	699268229	139.787	23
	18 Endrin aldehyde	10.156	10.161	-0.005	575527090	123.423	21
	20 Endosulfan sulfate	10.359	10.366	-0.007	676261910	127.226	21
	19 Methoxychlor	11.010	11.017	-0.007	336377213	120.999	20
	21 Endrin ketone	11.229	11.237	-0.008	803733854	132.955	22
$	22 Decachlorobiphenyl	12.705	12.710	-0.005	588925415	111.604	19

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

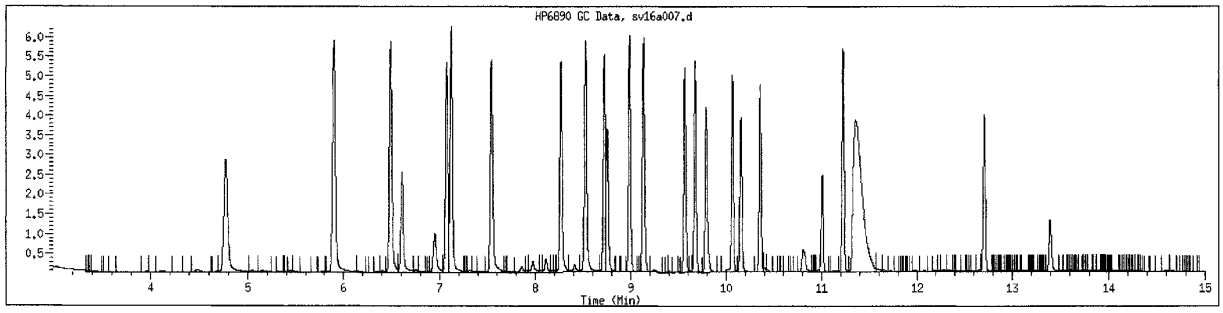
169550


Data File: /var/chem/gcsv16a.i/20080104.b/sv16a007.d
Date : 04-JAN-2008 12:34
Client ID:
Sample Info: 20712202002Mms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
Min
/var/chem/gcsv16a.i/20080104.b/sv16a007.d
-Tetrachloro-m-xylene (4.776)
alpha-BHC (5.899)
-beta-BHC (6.606)
gamma-BHC (Lindane) (6.488)
Heptachlor (7.072)
delta-BHC (7.125)
Aldrin (7.541)
Heptachlor epoxide (8.268)
-Endosulfan I (8.482)
-Chlordane (8.526)
alpha-Chlordane (8.722)
4,4'-DDE (8.987)
Dieldrin (9.134)
-Endrin (9.567)
-Endosulfan II (9.791)
4,4'-DDD (9.676)
-4,4'-DDT (10.068)
-Endrin aldehyde (10.156)
Endosulfan sulfate (10.359)
-Methoxychlor (11.010)
Endrin ketone (11.229)
-Decachlorobiphenyl (12.705)

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a007.d Page: 1
Report Date: 01/07/2008 10:49

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202002 SampleType : MS
Injection Date: 01/04/2008 12:34 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20712202002*1ms
Misc Info :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: pest



NO MANUAL INTEGRATIONS

169552

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED9 MSD (1-2)

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30.2 | Units: g | Lab Sample ID: 20712202003

Level: (low/med) LOW | Date Collected: 12/19/07 | Time: 1200

% Moisture: 18.0 | decanted: (Y/N) | Date Received: 12/20/07

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/08 | Time: 1253

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8081A

Prep Batch: 364231 | Analytical Batch: 364684 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080104/sv16a008

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.028		0.000539	0.00242
72-55-9	4,4'-DDE	0.028		0.000466	0.00242
50-29-3	4,4'-DDT	0.031		0.000521	0.00242
309-00-2	Aldrin	0.028	E	0.000460	0.00121
60-57-1	Dieldrin	0.028		0.000454	0.00242
959-98-8	Endosulfan I	0.019		0.000436	0.00121
33213-65-9	Endosulfan II	0.024		0.000527	0.00242
1031-07-8	Endosulfan sulfate	0.028		0.000551	0.00242
72-20-8	Endrin	0.029		0.000545	0.00242
7421-93-4	Endrin aldehyde	0.026		0.000606	0.00242
53494-70-5	Endrin ketone	0.029		0.000551	0.00242
76-44-8	Heptachlor	0.027	E	0.000406	0.00121
1024-57-3	Heptachlor epoxide	0.028	E	0.000436	0.00121
72-43-5	Methoxychlor	0.026		0.000666	0.012
8001-35-2	Toxaphene	0.121	U	0.00568	0.121
319-84-6	alpha-BHC	0.027	E	0.000406	0.00121
5103-71-9	alpha-Chlordane	0.028	E	0.000418	0.00121
319-85-7	beta-BHC	0.026	E	0.000503	0.00242
319-86-8	delta-BHC	0.028	E	0.000527	0.00121
58-89-9	gamma-BHC (Lindane)	0.028	E	0.000382	0.00121
5103-74-2	gamma-Chlordane	0.031	E	0.000442	0.00121

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a008.d
Report Date: 07-Jan-2008 10:49

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a008.d
Lab Smp Id: 20712202003
Inj Date : 04-JAN-2008 12:53
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20712202003*1ms
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:49 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 8 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.20000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	4.779	4.778	0.001	880007199	117.424	19(A)
2	alpha-BHC	5.899	5.900	-0.001	1327849203	135.954	23(A)
3	gamma-BHC (Lindane)	6.489	6.491	-0.002	1169841175	137.641	23(A)
6	beta-BHC	6.606	6.610	-0.004	501666956	130.607	22(A)
4	Heptachlor	7.072	7.077	-0.005	982716710	131.931	22(A)
7	delta-BHC	7.120	7.126	-0.006	1154441965	138.238	23(A)
5	Aldrin	7.541	7.547	-0.006	1046835224	138.258	23(A)
8	Heptachlor epoxide	8.269	8.276	-0.007	939462462	137.102	23(A)
10	gamma-Chlordane	8.527	8.531	-0.004	1040910766	151.716	25(A)
11	alpha-Chlordane	8.722	8.728	-0.006	897558696	139.558	23(A)
9	Endosulfan I	8.753	8.759	-0.006	595778971	94.4633	16
12	4,4'-DDE	8.987	8.991	-0.004	936220729	136.458	23

169554

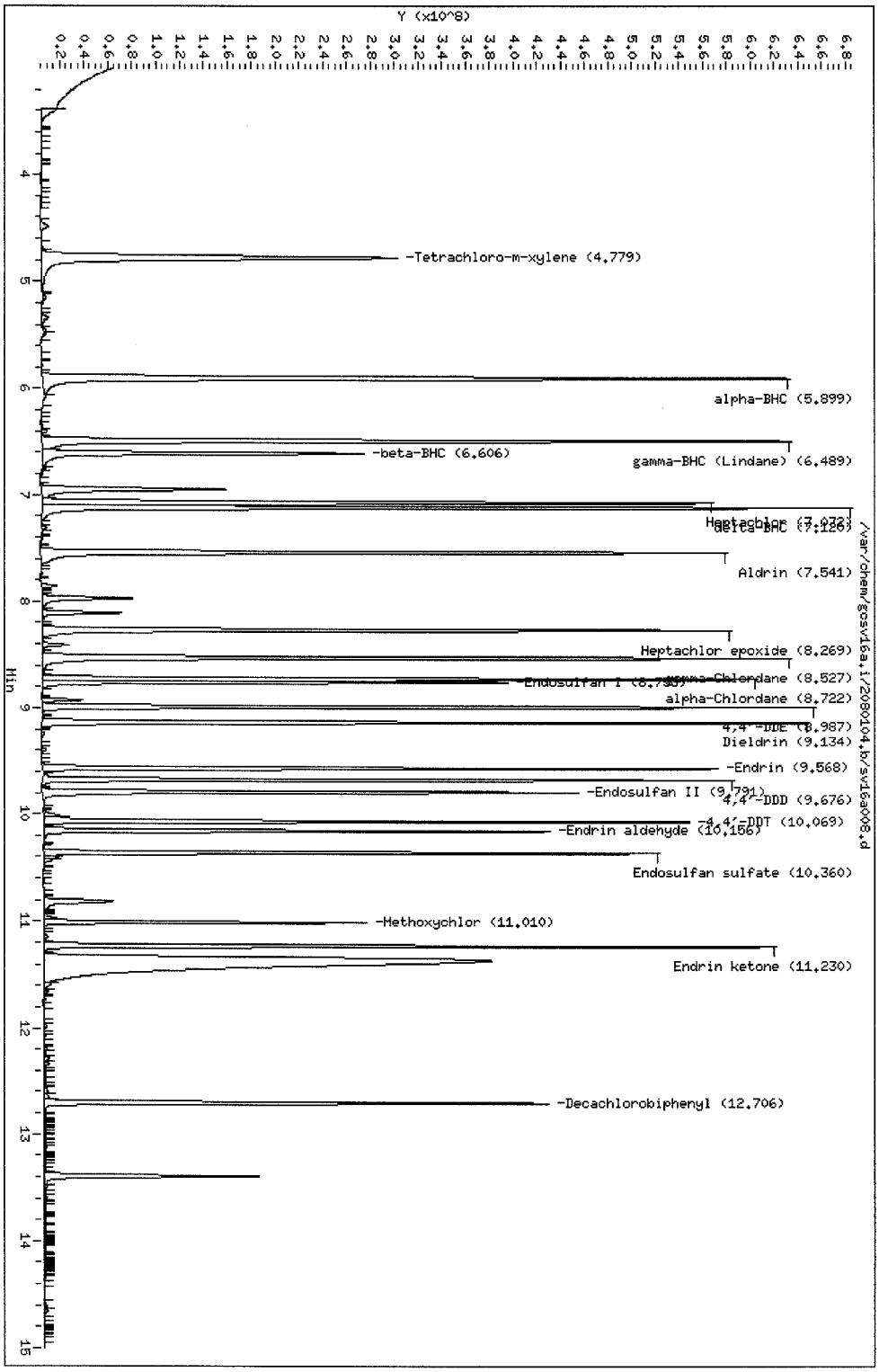
Data File: /var/chem/gcsv16a.i/2080104.b/sv16a008.d
Report Date: 07-Jan-2008 10:49

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
	13 Dieldrin	9.134	9.139	-0.005	992701368	140.908	23
	14 Endrin	9.568	9.574	-0.006	837282058	142.290	24
	15 4,4'-DDD	9.676	9.681	-0.005	819047575	138.809	23
	16 Endosulfan II	9.791	9.798	-0.007	699144456	118.396	20
	17 4,4'-DDT	10.069	10.076	-0.007	758213066	151.570	25
	18 Endrin aldehyde	10.156	10.161	-0.005	611537059	131.146	22
	20 Endosulfan sulfate	10.360	10.366	-0.006	728001341	136.960	23
	19 Methoxychlor	11.010	11.017	-0.007	360687501	129.744	21
	21 Endrin ketone	11.230	11.237	-0.007	872090257	144.263	24
$	22 Decachlorobiphenyl	12.706	12.710	-0.004	629109915	119.219	20

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

169555



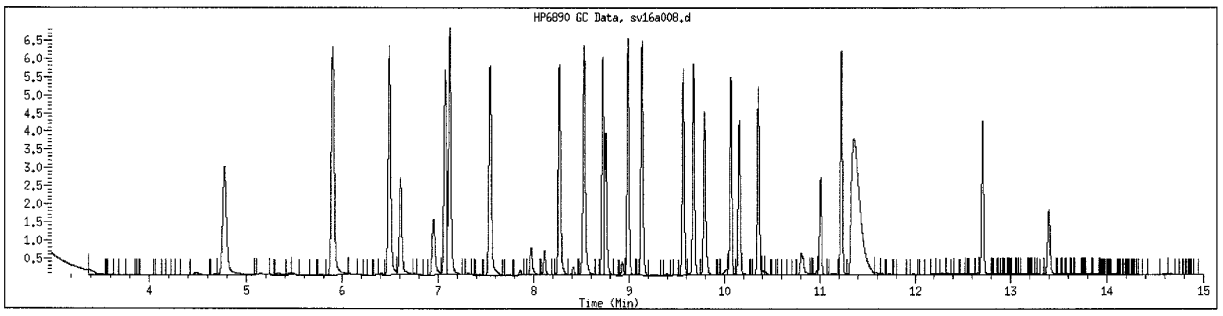
Data File: /var/chem/gcsv16a.i/20080104.b/sv16a008.d
Date : 04-JAN-2008 12:53
Client ID:
Sample Info: 207122020003*1ms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a008.d Page: 1
Report Date: 01/07/2008 10:49

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202003 SampleType : MSD
Injection Date: 01/04/2008 12:53 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20712202003*1ms
Misc Info :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: pest



NO MANUAL INTEGRATIONS

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12/30/07 1800	BATCH NO:	364231
MATRIX:	WATER ☐ SOIL ☑ OTHER ☐	LEVEL:	LOW ☑ MEDIUM ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	Init pH	COMMENTS	METHOD
1	QC ACCOUNT	MB for HBN 364231 [EXTO/19121]	559659	30.0	5.0		PEST	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 364231 [EXTO/19121	559660	30.0	5.0			
3	QC ACCOUNT	LCSD for HBN 364231 [EXTO/1912	559661	30.0	5.0			SEPARATORY FUNNEL/3510
4	4482	2WSED9 (1-2)	20712202001	30.1	5.0			
5	4482	2WSED9 MS (1-2)	20712202002	30.0	5.0			GPC CLEANUP/3640
6	4482	2WSED9 MSD (1-2)	20712202003	30.2	5.0			
7	4482	3WSED6 (0-0.5)	20712202004	30.1	5.0			SONICATOR/3550
8	4482	3WSED5 (0-0.5)	20712202005	30.3	5.0			✓
9	4482	3WSED4 (0-0.5)	20712202006	30.0	5.0			FLORISIL CLEANUP/3620
10	4482	3WSED3 (0-0.5)	20712202007	30.4	5.0			
11	4482	3WSED2 (0-0.5)	20712202008	30.1	5.0			PCB H2So4/3665A CLEANUP
12	4482	3WSED1 (0-0.5)	20712202009	30.3	5.0			
13	4482	SS-900 (0-0.5)	20712202010	30.2	5.0			WASTE DILUTION/3580
14	4482	3WSED7 (0-0.5)	20712202011	30.1	5.0			
15	4482	3WSED8 (0-0.5)	20712202012	30.3	5.0			TCLP EXTRACTION FLUID 1
16	4482	3WSED9 (0-0.5)	20712202013	30.0	5.0			
17								TCLP EXTRACTION FLUID 2
18								
19								MECL2/Acetone No:
20								
21								ACETONE LOT NO:
22				SKS 01/08/08				
23								MECL2 Lot No:
24								
25								HEXANE Lot No:
26								E12626
27								Sodium Sulfate Lot No:
28								607629

COMMENTS: SAMPLE PREPARATION INCLUDE DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

SURROGATE ID	430-41-2	8081 SPIKE ID		608 SPIKE ID	430-42-4	TECHNICIAN	DATE
VOLUME	1.0mL	VOLUME		VOLUME	0.5mL	Kenneth Dixon	12-30-07
CONCENTRATION	0.5mL	CONCENTRATION		CONCENTRATION	10 ug/mL		
ACID						SUPERVISOR	DATE
SPIKE WITNESS	GLJ					John Bailey	01/02/08

169558

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12/25/7 1500	BATCH NO:	364075
MATRIX:	WATER ☑ SOIL ☐ OTHER ☐	LEVEL:	LOW ☑ MEDIUM ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	Init pH	COMMENTS	METHOD
1	QC ACCOUNT	MB for HBN 364075 [EXTO/19106]	559285	1000	5.0	7	Pest	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 364075 [EXTO/19106	559286	1000	5.0	7		
3	QC ACCOUNT	LCSD for HBN 364075 [EXTO/1910	559287	1000	5.0	7		SEPARATORY FUNNEL/3510 ✓
4	4482	SS121907-EB	20712202014	980	5.0	7		
5	4482	SS121907-FB	20712202015	970	5.0	7		GPC CLEANUP/3640
6								
7								SONICATOR/3550
8								
9								FLORISIL CLEANUP/3620
10								
11								PCB H2So4/3665A CLEANUP
12								
13								WASTE DILUTION/3580
14								
15								TCLP EXTRACTION FLUID 1
16								
17								TCLP EXTRACTION FLUID 2
18				12-20-07				
19								MECL2/Acetone No:
20								
21					GC2			ACETONE LOT NO:
22								
23								MECL2 Lot No: E39E17
24								
25								HEXANE Lot No: E12E25
26								
27								Sodium Sulfate Lot No: E32607
28								

COMMENTS: SAMPLE PREPARATION INCLUDE DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

SURROGATE ID	430-44-2	8081 SPIKE ID	430-37-4	608 SPIKE ID		TECHNICIAN	DATE
VOLUME	1.0ml	VOLUME	0.5ml	VOLUME			12/25/7
CONCENTRATION	0.5ug/ml	CONCENTRATION	1.0ug/ml	CONCENTRATION			
ACID						SUPERVISOR	DATE
SPIKE WITNESS	SW						12/31/07

1059

169559

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/08/2008
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2071213.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
hex lot #E33E6		sv18a001.d	1000.00 ml	13-DEC-2007 08:51	1.000	tls	1	all
deg		sv18a002.d	1000.00 ml	13-DEC-2007 10:34	1.000	tls	2	deg
1206		sv18a003.d	1000.00 ml	13-DEC-2007 12:10	1.000	tls	3	8081
1201		sv18a004.d	1000.00 ml	13-DEC-2007 12:27	1.000	tls	4	8081
1202		sv18a005.d	1000.00 ml	13-DEC-2007 12:45	1.000	tls	5	8081
1203		sv18a006.d	1000.00 ml	13-DEC-2007 13:03	1.000	tls	6	8081
1204		sv18a007.d	1000.00 ml	13-DEC-2007 13:21	1.000	tls	7	8081
1205		sv18a008.d	1000.00 ml	13-DEC-2007 13:38	1.000	tls	8	8081
1600		sv18a009.d	1.00 ml	13-DEC-2007 13:56	1.000	tls	9	8081
1205		sv18a010.d	1000.00 ml	13-DEC-2007 14:14	1.000	tls	10	chlor
1201		sv18a011.d	1000.00 ml	13-DEC-2007 14:32	1.000	tls	11	tox
1205		sv18a012.d	1000.00 ml	13-DEC-2007 14:49	1.000	tls	12	tox
1203		sv18a013.d	1000.00 ml	13-DEC-2007 15:07	1.000	tls	13	aro1221
1203		sv18a014.d	1000.00 ml	13-DEC-2007 15:25	1.000	tls	14	aro1232
1203		sv18a015.d	1000.00 ml	13-DEC-2007 15:43	1.000	tls	15	aro1242
1203		sv18a016.d	1000.00 ml	13-DEC-2007 16:00	1.000	tls	16	aro1248
1203		sv18a017.d	1000.00 ml	13-DEC-2007 16:18	1.000	tls	17	aro1254
1203		sv18a018.d	1000.00 ml	13-DEC-2007 16:36	1.000	tls	18	ar1262
1203		sv18a019.d	1000.00 ml	13-DEC-2007 16:54	1.000	tls	19	ar1268
1206		sv18a020.d	1000.00 ml	13-DEC-2007 17:11	1.000	tls	20	aro1260
1201		sv18a021.d	1000.00 ml	13-DEC-2007 17:29	1.000	tls	21	aro1260
1202		sv18a022.d	1000.00 ml	13-DEC-2007 17:47	1.000	tls	22	aro1260
1203		sv18a023.d	1000.00 ml	13-DEC-2007 18:05	1.000	tls	23	aro1260
1204		sv18a024.d	1000.00 ml	13-DEC-2007 18:22	1.000	tls	24	aro1260
1205		sv18a025.d	1000.00 ml	13-DEC-2007 18:40	1.000	tls	25	aro1260
1600		sv18a026.d	1.00 ml	13-DEC-2007 18:58	1.000	tls	26	pcbicv
deg		sv18a027.d	1000.00 ml	13-DEC-2007 19:16	1.000	tls	27	deg
554667		sv18a028.d	30.00 g	13-DEC-2007 19:34	1.000	tls	28	pcb
554668		sv18a029.d	30.00 g	13-DEC-2007 19:51	1.000	tls	29	pcb
554669		sv18a030.d	30.00 g	13-DEC-2007 20:09	1.000	tls	30	pcb
20712071601		sv18a031.d	30.00 g	13-DEC-2007 20:27	1.000	tls	31	pcb
1400		sv18a032.d	1000.00 ml	13-DEC-2007 20:45	1.000	tls	32	aro1260
1400		sv18a033.d	1000.00 ml	13-DEC-2007 21:03	1.000	tls	33	aro1260
lcs		sv18a034.d	1.00 g	14-DEC-2007 09:11	1.000	tls	34	ar1260s
lcsd		sv18a035.d	1.00 g	14-DEC-2007 09:28	1.000	tls	35	ar1260s
lcs		sv18a036.d	1000.00 ml	14-DEC-2007 10:22	1.000	tls	34	ar1260s

169560

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/02/2008
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2071231.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
hex lot #E43E7		sv18a001.d	1000.00 ml	31-DEC-2007 08:54	1.000	tls	1	all
deg		sv18a002.d	1000.00 ml	31-DEC-2007 09:11	1.000	tls	2	deg
1400		sv18a003.d	1000.00 ml	31-DEC-2007 09:29	1.000	tls	3	8081
1400		sv18a004.d	1000.00 ml	31-DEC-2007 10:43	1.000	tls	4	aro1260
560363		sv18a005.d	30.00 g	31-DEC-2007 13:08	1.000	smh	5	pcb
560364		sv18a006.d	30.00 g	31-DEC-2007 13:26	1.000	smh	6	ar1260s
560365		sv18a007.d	30.00 g	31-DEC-2007 13:44	1.000	smh	7	ar1260s
559659		sv18a008.d	30.00 g	31-DEC-2007 14:01	1.000	smh	8	all
559660		sv18a009.d	30.00 g	31-DEC-2007 14:19	1.000	smh	9	8081
559661		sv18a010.d	30.00 g	31-DEC-2007 14:37	1.000	smh	10	8081
560400		sv18a011.d	30.00 g	31-DEC-2007 14:55	1.000	smh	11	ar1260s
560401		sv18a012.d	30.00 g	31-DEC-2007 15:12	1.000	smh	12	ar1260s
1400		sv18a013.d	1000.00 ml	31-DEC-2007 15:30	1.000	smh	13	aro1260
1400		sv18a014.d	1000.00 ml	31-DEC-2007 15:48	1.000	smh	14	aro1260
1400		sv18a015.d	1000.00 ml	31-DEC-2007 16:06	1.000	smh	15	8081
1400		sv18a016.d	1000.00 ml	31-DEC-2007 16:24	1.000	smh	16	8081
deg		sv18a017.d	1000.00 ml	31-DEC-2007 16:41	1.000	smh	17	deg
20712291401		sv18a018.d	30.20 g	31-DEC-2007 16:59	1.000	smh	18	pcb
20712291402		sv18a019.d	30.30 g	31-DEC-2007 17:17	1.000	smh	19	pcb
20712202001		sv18a021.d	30.10 g	31-DEC-2007 17:53	1.000	smh	21	all
20712202002		sv18a022.d	30.00 g	31-DEC-2007 18:10	1.000	smh	22	all
20712202003		sv18a023.d	30.10 g	31-DEC-2007 18:28	1.000	smh	23	all
20712202002		sv18a024.d	30.30 g	31-DEC-2007 18:46	1.000	smh	24	pest
20712202003		sv18a025.d	30.10 g	31-DEC-2007 19:04	1.000	smh	25	pest
20712202004		sv18a026.d	30.10 g	31-DEC-2007 19:21	1.000	smh	26	pest
20712202005		sv18a027.d	30.30 g	31-DEC-2007 19:39	1.000	smh	27	pest
1400		sv18a028.d	1000.00 ml	31-DEC-2007 19:57	1.000	smh	28	aro1260
1400		sv18a029.d	1000.00 ml	31-DEC-2007 20:15	1.000	smh	29	aro1260
1400		sv18a030.d	1000.00 ml	31-DEC-2007 20:32	1.000	smh	30	8081
1400		sv18a031.d	1000.00 ml	31-DEC-2007 20:50	1.000	smh	31	8081
20712202006		sv18a032.d	30.00 g	31-DEC-2007 21:08	1.000	smh	32	pest
20712202007		sv18a033.d	30.40 g	31-DEC-2007 21:26	1.000	smh	33	pest
20712202008		sv18a034.d	30.10 g	31-DEC-2007 21:44	1.000	smh	34	pest
20712202009		sv18a035.d	30.30 g	31-DEC-2007 22:02	1.000	smh	35	pest
20712202010		sv18a036.d	30.20 g	31-DEC-2007 22:19	1.000	smh	36	pest
20712202011		sv18a037.d	30.10 g	31-DEC-2007 22:37	1.000	smh	37	pest

169561

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/08/2008
Instrument: gcsv18b.i
Method File: /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Batch: /var/chem/gcsv18b.i/2071213.b
Column-Detector: RTX-XLB-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv18b002.d	1000.00 ml	13-DEC-2007 12:10	1.000	tls	2	deg
1206		sv18b003.d	1000.00 ml	13-DEC-2007 12:27	1.000	tls	3	8081
1201		sv18b004.d	1000.00 ml	13-DEC-2007 12:45	1.000	tls	4	8081
1202		sv18b005.d	1000.00 ml	13-DEC-2007 13:03	1.000	tls	5	8081
1203		sv18b006.d	1000.00 ml	13-DEC-2007 13:21	1.000	tls	6	8081
1204		sv18b007.d	1000.00 ml	13-DEC-2007 13:38	1.000	tls	7	8081
1205		sv18b008.d	1000.00 ml	13-DEC-2007 13:56	1.000	tls	8	8081
1600		sv18b009.d	1.00 ml	13-DEC-2007 14:14	1.000	tls	9	8081
1205		sv18b010.d	1000.00 ml	13-DEC-2007 14:32	1.000	tls	10	chlor
1201		sv18b011.d	1000.00 ml	13-DEC-2007 14:49	1.000	tls	11	tox
1205		sv18b012.d	1000.00 ml	13-DEC-2007 15:07	1.000	tls	12	tox
1203		sv18b013.d	1000.00 ml	13-DEC-2007 15:25	1.000	tls	13	aro1221
1203		sv18b014.d	1000.00 ml	13-DEC-2007 15:43	1.000	tls	14	aro1232
1203		sv18b015.d	1000.00 ml	13-DEC-2007 16:00	1.000	tls	15	aro1242
1203		sv18b016.d	1000.00 ml	13-DEC-2007 16:18	1.000	tls	16	aro1248
1203		sv18b017.d	1000.00 ml	13-DEC-2007 16:36	1.000	tls	17	aro1254
1203		sv18b018.d	1000.00 ml	13-DEC-2007 16:54	1.000	tls	18	ar1262
1203		sv18b019.d	1000.00 ml	13-DEC-2007 17:11	1.000	tls	19	ar1268
1206		sv18b020.d	1000.00 ml	13-DEC-2007 17:29	1.000	tls	20	aro1260
1201		sv18b021.d	1000.00 ml	13-DEC-2007 17:47	1.000	tls	21	aro1260
1202		sv18b022.d	1000.00 ml	13-DEC-2007 18:05	1.000	tls	22	aro1260
1203		sv18b023.d	1000.00 ml	13-DEC-2007 18:22	1.000	tls	23	aro1260
1204		sv18b024.d	1000.00 ml	13-DEC-2007 18:40	1.000	tls	24	aro1260
1205		sv18b025.d	1000.00 ml	13-DEC-2007 18:58	1.000	tls	25	aro1260
1600		sv18b026.d	1.00 ml	13-DEC-2007 19:16	1.000	tls	26	pcbicv
deg		sv18b027.d	1000.00 ml	13-DEC-2007 19:34	1.000	tls	27	deg
554667		sv18b028.d	30.00 g	13-DEC-2007 19:51	1.000	tls	28	all
554668		sv18b029.d	30.00 g	13-DEC-2007 20:09	1.000	tls	29	all
554669		sv18b030.d	30.00 g	13-DEC-2007 20:27	1.000	tls	30	all
20712071601		sv18b031.d	30.00 g	13-DEC-2007 20:45	1.000	tls	31	pcb
1400		sv18b032.d	1000.00 ml	13-DEC-2007 21:03	1.000	tls	32	aro1260
1400		sv18b033.d	1000.00 ml	13-DEC-2007 21:21	1.000	tls	33	aro1260
1600		sv18b034.d	1.00 ml	14-DEC-2007 12:31	1.000	tls	37	pcbicv

169562

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/08/2008
Instrument: gcsv18b.i
Method File: /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Batch: /var/chem/gcsv18b.i/2071228.b
Column-Detector: RTX-XLB-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
hex		sv18b001.d	1000.00 ml	28-DEC-2007 09:28	1.000	tls	1	all
deg		sv18b002B.d	1000.00 ml	28-DEC-2007 09:46	1.000	tls	2	deg
1400		sv18b003.d	1000.00 ml	28-DEC-2007 11:12	1.000	tls	3	8081
1400		sv18b004.d	1000.00 ml	28-DEC-2007 11:30	1.000	tls	4	aro1260
559288		sv18b005.d	1000.00 ml	28-DEC-2007 12:25	1.000	tls	5	all
5592861 lcs		sv18b006.d	1000.00 ml	28-DEC-2007 12:42	1.000	tls	6	8081
559287		sv18b007.d	1000.00 ml	28-DEC-2007 13:00	1.000	tls	7	8081
559289		sv18b008.d	1000.00 ml	28-DEC-2007 13:18	1.000	tls	8	ar1260s
559290		sv18b009.d	1000.00 ml	28-DEC-2007 13:42	1.000	tls	9	ar1260s
20712202014		sv18b010.d	980.00 ml	28-DEC-2007 13:59	1.000	tls	10	all
20712202015		sv18b011.d	970.00 ml	28-DEC-2007 14:17	1.000	tls	11	all
1400		sv18b012.d	1000.00 ml	28-DEC-2007 14:35	1.000	tls	12	8081
1400		sv18b013.d	1000.00 ml	28-DEC-2007 14:53	1.000	tls	13	8081
1400		sv18b017.d	1000.00 ml	28-DEC-2007 16:04	1.000	tls	17	aro1260
1400		sv18b018.d	1000.00 ml	28-DEC-2007 16:21	1.000	tls	18	aro1260
1400		sv18b027.d	1000.00 ml	28-DEC-2007 19:01	1.000	tls	27	8081
1400		sv18b028.d	1000.00 ml	28-DEC-2007 19:19	1.000	tls	28	8081
1400		sv18b029.d	1000.00 ml	28-DEC-2007 19:37	1.000	tls	29	aro1260
1400		sv18b030.d	1000.00 ml	28-DEC-2007 19:55	1.000	tls	30	aro1260
hex lot# E33E6		sv18b100.d	1000.00 ml	28-DEC-2007 09:10	1.000	tls	100	all

169563

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/02/2008
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2071230.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
hex lot # E33E		sv16a001.d	1000.00 ml	30-DEC-2007 16:27	1.000	tls	1	8081
deg		sv16a002.d	1000.00 ml	30-DEC-2007 16:46	1.000	tls	2	deg
1206		sv16a003.d	1000.00 ml	30-DEC-2007 17:05	1.000	tls	3	8081
1201		sv16a004.d	1000.00 ml	30-DEC-2007 17:23	1.000	tls	4	8081
1202		sv16a005.d	1000.00 ml	30-DEC-2007 17:42	1.000	tls	5	8081
1203		sv16a006.d	1000.00 ml	30-DEC-2007 18:01	1.000	tls	6	8081
1204		sv16a007.d	1000.00 ml	30-DEC-2007 18:20	1.000	tls	7	8081
1205		sv16a008.d	1000.00 ml	30-DEC-2007 18:38	1.000	tls	8	8081
1600		sv16a009.d	1.00 ml	30-DEC-2007 18:57	1.000	tls	9	8081
1205		sv16a010.d	1000.00 ml	30-DEC-2007 19:16	1.000	tls	10	chlor
1201		sv16a011.d	1000.00 ml	30-DEC-2007 19:35	1.000	tls	11	tox
1205		sv16a012.d	1000.00 ml	30-DEC-2007 19:53	1.000	tls	12	tox
1203		sv16a013.d	1000.00 ml	30-DEC-2007 20:12	1.000	tls	13	aro1221
1203		sv16a014.d	1000.00 ml	30-DEC-2007 20:31	1.000	tls	14	aro1232
1203		sv16a015.d	1000.00 ml	30-DEC-2007 20:49	1.000	tls	15	aro1242
1203		sv16a016.d	1000.00 ml	30-DEC-2007 21:08	1.000	tls	16	aro1248
1203		sv16a017.d	1000.00 ml	30-DEC-2007 21:27	1.000	tls	17	aro1254
1206		sv16a018.d	1000.00 ml	30-DEC-2007 21:46	1.000	tls	18	aro1260
1201		sv16a019.d	1000.00 ml	30-DEC-2007 22:04	1.000	tls	19	aro1260
1202		sv16a020.d	1000.00 ml	30-DEC-2007 22:23	1.000	tls	20	aro1260
1203		sv16a021.d	1000.00 ml	30-DEC-2007 22:42	1.000	tls	21	aro1260
1204		sv16a022.d	1000.00 ml	30-DEC-2007 23:01	1.000	tls	22	aro1260
1205		sv16a023.d	1000.00 ml	30-DEC-2007 23:19	1.000	tls	23	aro1260
1600		sv16a024.d	1.00 ml	30-DEC-2007 23:38	1.000	tls	24	aro1260
deg		sv16a025.d	1000.00 ml	30-DEC-2007 23:57	1.000	tls	25	deg
deg		sv16a026.d	1000.00 ml	31-DEC-2007 11:57	1.000	tls	26	deg
1201		sv16a027.d	1000.00 ml	31-DEC-2007 12:15	1.000	tls	27	xtra
1202		sv16a028.d	1000.00 ml	31-DEC-2007 12:34	1.000	tls	28	xtra
1203		sv16a029.d	1000.00 ml	31-DEC-2007 12:53	1.000	tls	29	xtra
1204		sv16a030.d	1000.00 ml	31-DEC-2007 13:11	1.000	tls	30	xtra
1205		sv16a031.d	1000.00 ml	31-DEC-2007 13:30	1.000	tls	31	xtra
1600		sv16a032.d	1.00 ml	31-DEC-2007 13:49	1.000	tls	32	xtra
558434		sv16a033.d	1000.00 ml	31-DEC-2007 14:07	1.000	dlb	33	all
558432		sv16a034.d	1000.00 ml	31-DEC-2007 14:26	1.000	dlb	34	8081
558433		sv16a035.d	1000.00 ml	31-DEC-2007 14:45	1.000	dlb	35	8081
558435		sv16a036.d	1000.00 ml	31-DEC-2007 15:03	1.000	dlb	36	ar1260s

169564

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/07/2008
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2080104.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv16a002.d	1000.00 ml	04-JAN-2008 10:34	1.000	tls	2	deg
1400		sv16a003.d	1000.00 ml	04-JAN-2008 10:53	1.000	tls	3	8081
1400		sv16a004.d	1000.00 ml	04-JAN-2008 11:11	1.000	tls	4	aro1260
559659		sv16a005.d	30.00 g	04-JAN-2008 11:57	1.000	tls	5	all
20712202001		sv16a006.d	30.10 g	04-JAN-2008 12:16	1.000	tls	6	all
20712202002		sv16a007.d	30.00 g	04-JAN-2008 12:34	1.000	tls	7	pest
20712202003		sv16a008.d	30.20 g	04-JAN-2008 12:53	1.000	tls	8	pest
20712202002		sv16a009.d	30.30 g	04-JAN-2008 13:12	1.000	tls	9	pcb
20712202003		sv16a010.d	30.10 g	04-JAN-2008 13:30	1.000	tls	10	pcb
20712202004		sv16a011.d	30.10 g	04-JAN-2008 13:49	1.000	tls	11	pest
20712202005		sv16a012.d	30.30 g	04-JAN-2008 14:08	1.000	tls	12	pest
20712202006		sv16a013.d	30.00 g	04-JAN-2008 14:26	1.000	tls	13	pest
20712202007		sv16a014.d	30.40 g	04-JAN-2008 14:45	1.000	tls	14	pest
1400		sv16a015.d	1000.00 ml	04-JAN-2008 15:04	1.000	tls	15	8081
1400		sv16a016.d	1000.00 ml	04-JAN-2008 15:42	1.000	tls	16	8081
1400		sv16a017.d	1000.00 ml	04-JAN-2008 16:12	1.000	tls	17	aro1260
1400		sv16a018.d	1000.00 ml	04-JAN-2008 16:30	1.000	tls	18	aro1260
20712202008		sv16a019.d	30.10 g	04-JAN-2008 16:49	1.000	tls	19	pest
20712202009		sv16a020.d	30.30 g	04-JAN-2008 17:08	1.000	tls	20	pest
20712202010		sv16a022.d	30.20 g	04-JAN-2008 17:45	1.000	tls	22	pest
20712202011		sv16a023.d	30.10 g	04-JAN-2008 18:04	1.000	tls	23	pest
20712202012		sv16a025.d	30.30 g	04-JAN-2008 18:41	1.000	tls	25	pest
20712202013		sv16a026.d	30.00 g	04-JAN-2008 18:59	1.000	tls	26	pest
1400		sv16a029.d	1000.00 ml	04-JAN-2008 19:55	1.000	tls	29	aro1260
1400		sv16a030.d	1000.00 ml	04-JAN-2008 20:14	1.000	tls	30	aro1260
1400		sv16a031.d	1000.00 ml	04-JAN-2008 20:33	1.000	tls	31	8081
1400		sv16a032.d	1000.00 ml	04-JAN-2008 20:51	1.000	tls	32	8081

169565

2E

WATER ORGANIC SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

GC Column (1): RTX-XLB-30 ID: .25 (mm) GC Cloumn (2): ID: (mm)

Method: SW-846 8082

	EPA SAMPLE NO.	SMC1 1-(1)	Lo	Hi	F	SMC1 1-(2)	Lo	Hi	F	SMC2 2-(1)	Lo	Hi	F	SMC2 2-(2)	Lo	Hi	F	TOT OUT
1.	SS121907-EB	48	34	135														0
2.	SS121907-FB	74	34	135														0
3.	MB559288	88	34	135														0
4.	LCS559289	93	34	135														0
5.	LCSD559290	91	34	135														0

SMC 1 : Decachlorobiphenyl SMC 2 :

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

2F

ORGANICS SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

GC Column (1) : RTX-35MS-3 ID: .25 (mm) GC Cloumn (2) : ID: (mm)

Method: SW-846 8082

	EPA SAMPLE NO.	SMC1 1-(1)	#	1-(2)	#	SMC2 2-(1)	#	2-(2)	#	TOT OUT
1.	2WSED9 (1-2)	102								0
2.	2WSED9 MS (1-2)	139								0
3.	2WSED9 MSD (1-2)	132								0
4.	MB560399	82								0
5.	LCS560400	91								0
6.	LCSD560401	86								0

CONTROL LIMITS

SMC 1 : Decachlorobiphenyl 56 159

SMC 2 :

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

FORM II ORG-2

169567

3E

WATER ORGANICS LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8082

Prep Batch: 364076 Analytical Batch: 364420

SAMPLE NO : 559289

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	LCS % REC FLAG	QC. LIMITS
Aroclor-1016	mg/L	.004	0	.00376	94		55 - 131
Aroclor-1260	mg/L	.004	0	.00336	84		51 - 138

SAMPLE NO : 559290

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
Aroclor-1016	mg/L	.004	.00349	87		7		55 - 131	0 - 35
Aroclor-1260	mg/L	.004	.00323	81		4		51 - 138	0 - 34

RPD : 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

169568

3F

SOILORGANIC MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED9 (1-2)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8082

Prep Batch: 364402 Analytical Batch: 364685

Spike HSN : 20712202002

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*MS % REC FLAG*	*QC. LIMITS*
Aroclor-1016	mg/kg	.161	0	.2	124		40 - 154
Aroclor-1260	mg/kg	.161	0	.217	135		40 - 168

Spike Dupe HSN : 20712202003

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	*REC FLAG*	*% RPD*	*RPD FLAG*	*QC. LIMITS REC*	*QC. LIMITS RPD*
Aroclor-1016	mg/kg	.162	.188	116		6		40 - 154	0 - 43
Aroclor-1260	mg/kg	.162	.206	127		5		40 - 168	0 - 50

RPD : 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

3F

SOIL ORGANIC LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Contract: Method: SW-846 8082

Prep Batch: 364402 Analytical Batch: 364685

Spike HSN : 560400

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
Aroclor-1016	mg/kg	.133	0	.111	83		62 - 124
Aroclor-1260	mg/kg	.133	0	.113	85		62 - 129

Spike Dupe HSN : 560401

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	*REC FLAG*	*% RPD*	*RPD FLAG*	*QC. LIMITS REC*	*RPD*
Aroclor-1016	mg/kg	.133	.103	77		7		62 - 124	0 - 31
Aroclor-1260	mg/kg	.133	.109	82		4		62 - 129	0 - 36

RPD : 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB559288

Lab Code: LA024 | Case No.: | Contract:

Lab Sample ID: 559288 | SAS No.: | SDG No.: 207122020

Matrix: Water | Sulfur Cleanup: (Y/N) N | Date Extracted: 12/25/07

Date Analyzed (1): 12/28/07 | Time (1): 1225 | Date Analyzed (2): | Time (2):

Instrument ID (1): GCS18B | Instrument ID (2):

GC Column (1): RTX-XLB-30 | ID: .25 (mm) | GC Column (2): | ID: (mm)

Method: SW-846 8082 | Prep Batch: 364076 | Analytical Batch: 364420

Lab File ID: 2071228/sv18b0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS559289	559289	12/28/07	1318		
2.	LCSD559290	559290	12/28/07	1342		
3.	SS121907-EB	20712202014	12/28/07	1359		
4.	SS121907-FB	20712202015	12/28/07	1417		

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB560399

Lab Code: LA024 | Case No.: | Contract:

Lab Sample ID: 560399 | SAS No.: | SDG No.: 207122020

Matrix: Soil | Sulfur Cleanup: (Y/N) N | Date Extracted: 12/30/07

Date Analyzed (1): 12/31/07 | Time (1): 1401 | Date Analyzed (2): | Time (2):

Instrument ID (1): GCS18A | Instrument ID (2):

GC Column (1): RTX-35MS-3 | ID: .25 (mm) | GC Column (2): | ID: (mm)

Method: SW-846 8082 | Prep Batch: 364402 | Analytical Batch: 364685

Lab File ID: 2071231/sv18a0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS560400	560400	12/31/07	1455		
2.	LCSD560401	560401	12/31/07	1512		
3.	2WSED9 (1-2)	20712202001	01/04/08	1216		
4.	2WSED9 MS (1-2)	20712202002	01/04/08	1312		
5.	2WSED9 MSD (1-2)	20712202003	01/04/08	1330		

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED9 (1-2)

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20712202001

Level: (low/med) LOW | Date Collected: 12/19/07 | Time: 1200

% Moisture: 18.0 | decanted: (Y/N) | Date Received: 12/20/07

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/08 | Time: 1216

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 364402 | Analytical Batch: 364685 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080104/sv16a006

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.024	U	0.00186	0.024
11104-28-2	Aroclor-1221	0.024	U	0.00573	0.024
11141-16-5	Aroclor-1232	0.024	U	0.00579	0.024
53469-21-9	Aroclor-1242	0.024	U	0.00663	0.024
12672-29-6	Aroclor-1248	0.024	U	0.00368	0.024
11097-69-1	Aroclor-1254	0.024	U	0.00579	0.024
11096-82-5	Aroclor-1260	0.024	U	0.00238	0.024

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a006.d
Report Date: 07-Jan-2008 10:57

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a006.d
Lab Smp Id: 20712202001
Inj Date : 04-JAN-2008 12:16
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20712202001*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:57 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.10000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

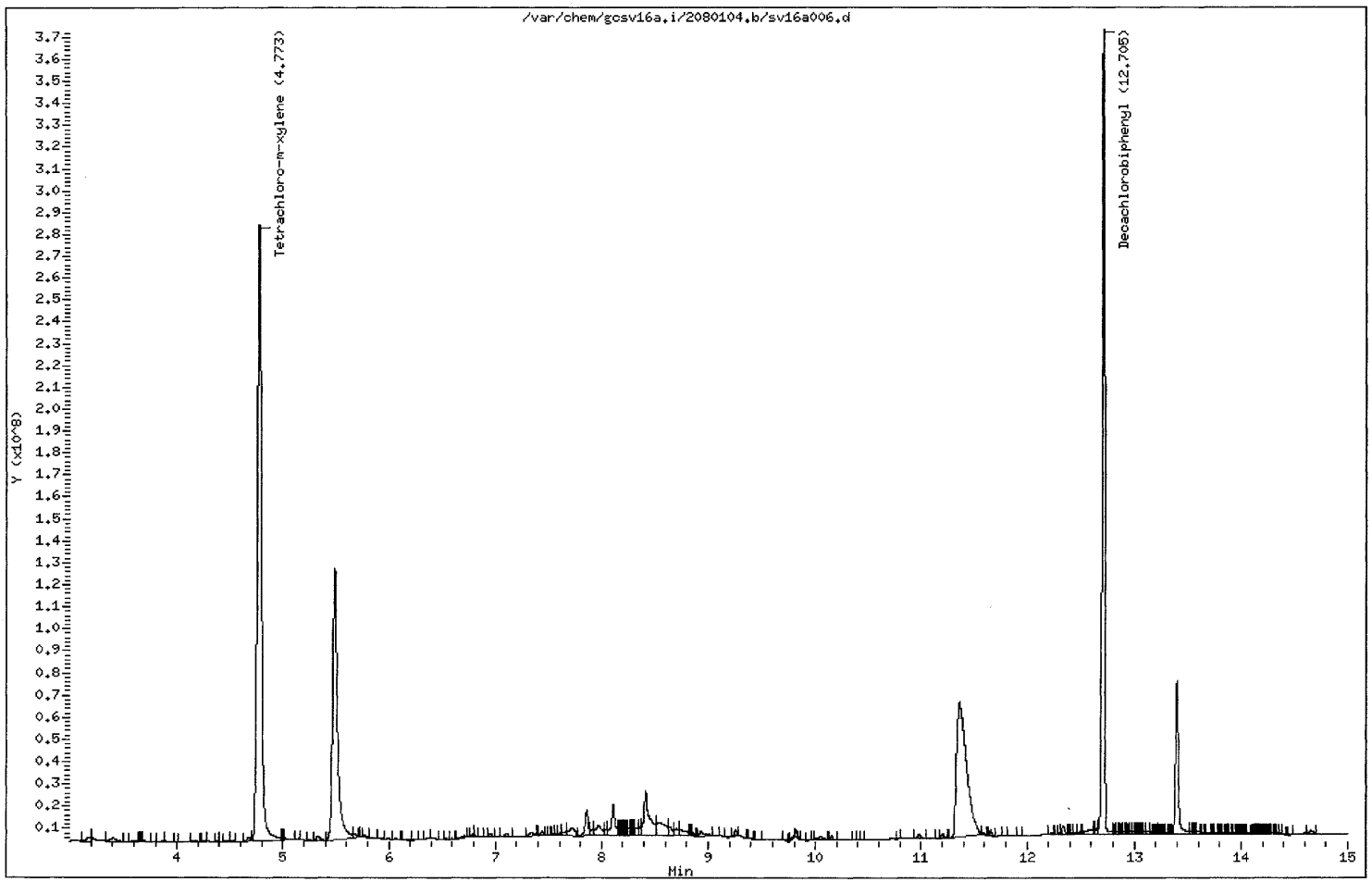
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.773	4.777	-0.004	764925322	102.068	17(A)
$ 22 Decachlorobiphenyl	12.705	12.711	-0.006	537277209	101.816	17

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

169574

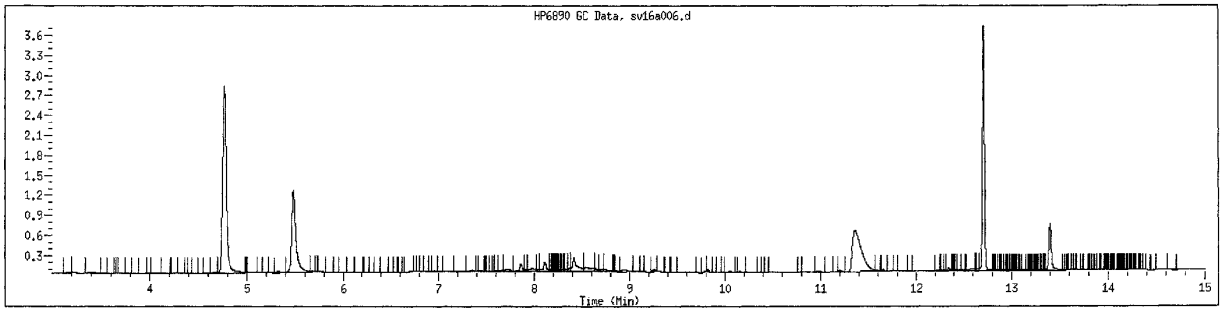
Data File: /var/chem/gcsv16a.i/2080104.b/sv16a006.d
Date : 04-JAN-2008 12:16
Client ID:
Instrument: gcsv16a.i
Sample Info: 2071220200l*1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080104.b/sv16a006.d Page: 1
Report Date: 01/07/2008 10:57

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20712202001 SampleType : SAMPLE
Injection Date: 01/04/2008 12:16 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20712202001*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: all



NO MANUAL INTEGRATIONS

169576

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SS121907-EB

Lab Code: LA024 | Case No.: | Contract:

Matrix: Water | SAS No.: | SDG No.: 207122020

Sample wt/vol: 980 | Units: mL | Lab Sample ID: 20712202014

Level: (low/med) LOW | Date Collected: 12/19/07 | Time: 1530

% Moisture: | decanted: (Y/N) | Date Received: 12/20/07

GC Column: RTX-XLB-30 | ID: .25 (mm) | Date Extracted: 12/25/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/28/07 | Time: 1359

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3510C

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 364076 | Analytical Batch: 364420 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18B

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2071228/sv18b010

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.000510	U	0.000128	0.000510
11104-28-2	Aroclor-1221	0.000510	U	0.000117	0.000510
11141-16-5	Aroclor-1232	0.000510	U	0.000102	0.000510
53469-21-9	Aroclor-1242	0.000510	U	0.000128	0.000510
12672-29-6	Aroclor-1248	0.000510	U	0.000066	0.000510
11097-69-1	Aroclor-1254	0.000510	U	0.000107	0.000510
11096-82-5	Aroclor-1260	0.000510	U	0.000122	0.000510

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b010.d
Report Date: 31-Dec-2007 11:14

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071228.b/sv18b010.d
Lab Smp Id: 20712202014
Inj Date : 28-DEC-2007 13:59
Operator : tls Inst ID: gcsv18b.i
Smp Info : 20712202014*1
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Meth Date : 31-Dec-2007 10:36 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:58 Cal File: sv18b025.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	980.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

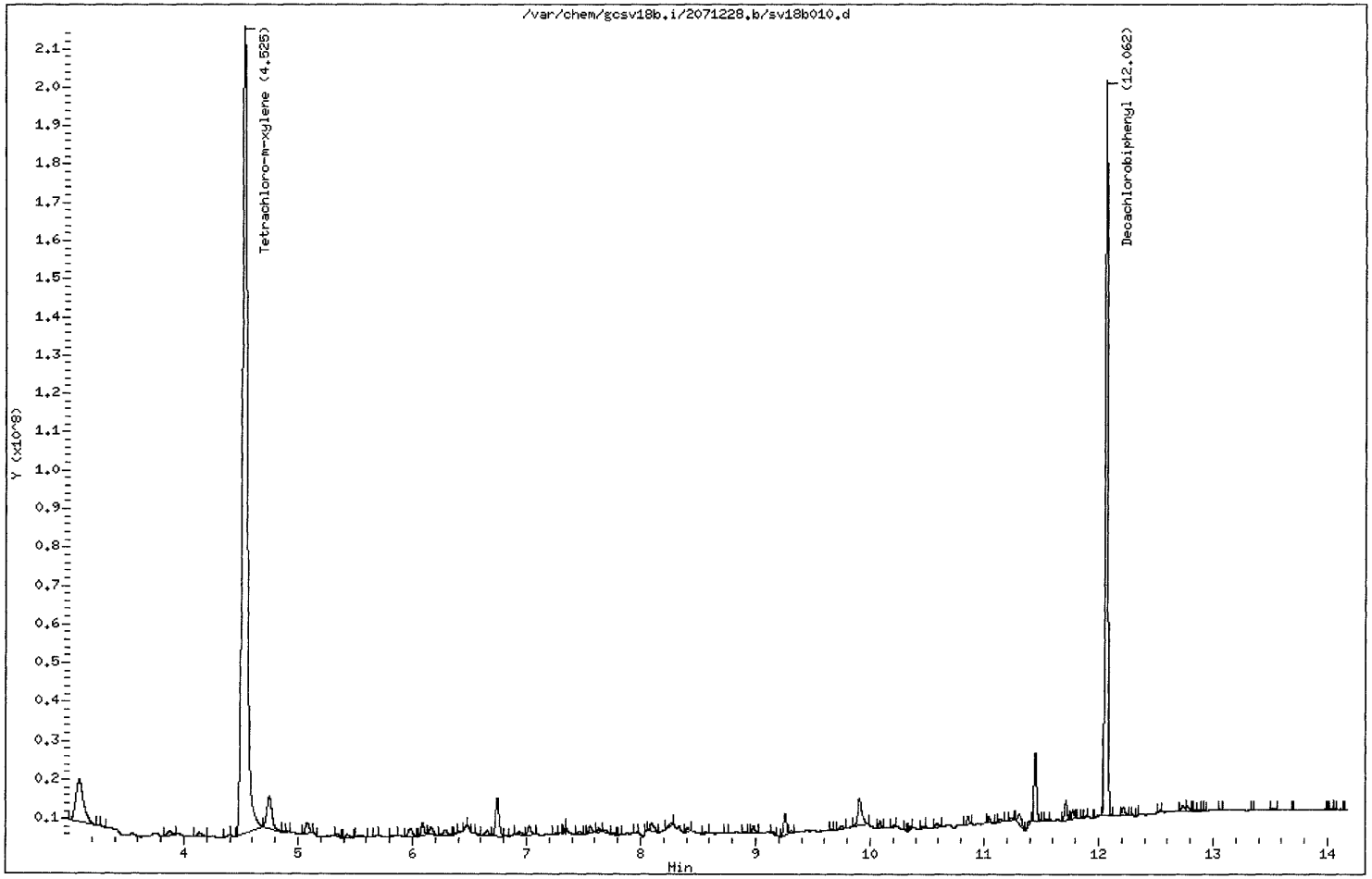
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$ 1 Tetrachloro-m-xylene	4.525	4.522	0.003	622357577	80.3858	0.41
$ 22 Decachlorobiphenyl	12.062	12.062	0.000	280389012	48.4027	0.25(M2)

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

169578

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b010.d
Date : 28-DEC-2007 13:59
Client ID:
Instrument: gcsv18b.i
Sample Info: 20712202014*1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-XLB-30M
Column diameter: 0.32

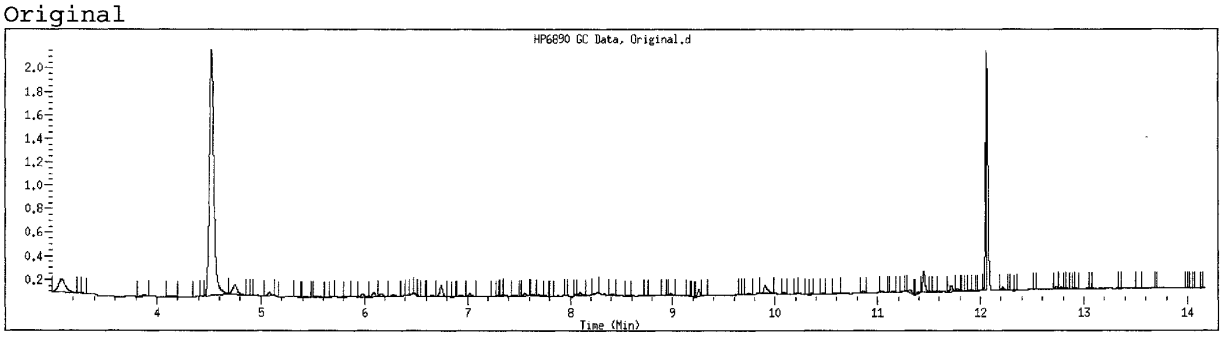


Data file : /var/chem/gcsv18b.i/2071228.b/sv18b010.d Page: 1
Report Date: 12/31/2007 11:14

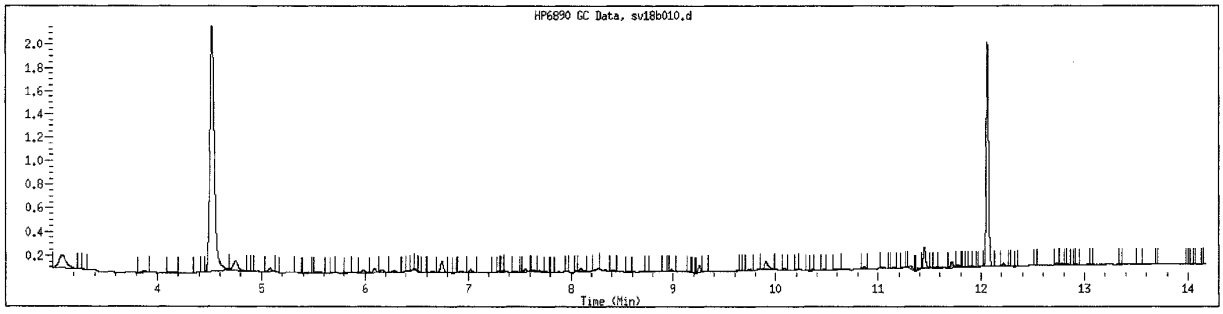
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20712202014	SampleType	: SAMPLE
Injection Date	: 12/28/2007 13:59	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 20712202014*1		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071228.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: all

Original



Final



169580

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SS121907-FB

Lab Code: LA024 | Case No.: | Contract:

Matrix: Water | SAS No.: | SDG No.: 207122020

Sample wt/vol: 970 | Units: mL | Lab Sample ID: 20712202015

Level: (low/med) LOW | Date Collected: 12/19/07 | Time: 1540

% Moisture: | decanted: (Y/N) | Date Received: 12/20/07

GC Column: RTX-XLB-30 | ID: .25 (mm) | Date Extracted: 12/25/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/28/07 | Time: 1417

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3510C

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 364076 | Analytical Batch: 364420 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18B

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2071228/sv18b011

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.000515	U	0.000129	0.000515
11104-28-2	Aroclor-1221	0.000515	U	0.000119	0.000515
11141-16-5	Aroclor-1232	0.000515	U	0.000103	0.000515
53469-21-9	Aroclor-1242	0.000515	U	0.000129	0.000515
12672-29-6	Aroclor-1248	0.000515	U	0.000067	0.000515
11097-69-1	Aroclor-1254	0.000515	U	0.000108	0.000515
11096-82-5	Aroclor-1260	0.000515	U	0.000124	0.000515

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b011.d
Report Date: 31-Dec-2007 10:36

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071228.b/sv18b011.d
Lab Smp Id: 20712202015
Inj Date : 28-DEC-2007 14:17
Operator : tls Inst ID: gcsv18b.i
Smp Info : 20712202015*1
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Meth Date : 31-Dec-2007 10:36 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:58 Cal File: sv18b025.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	970.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

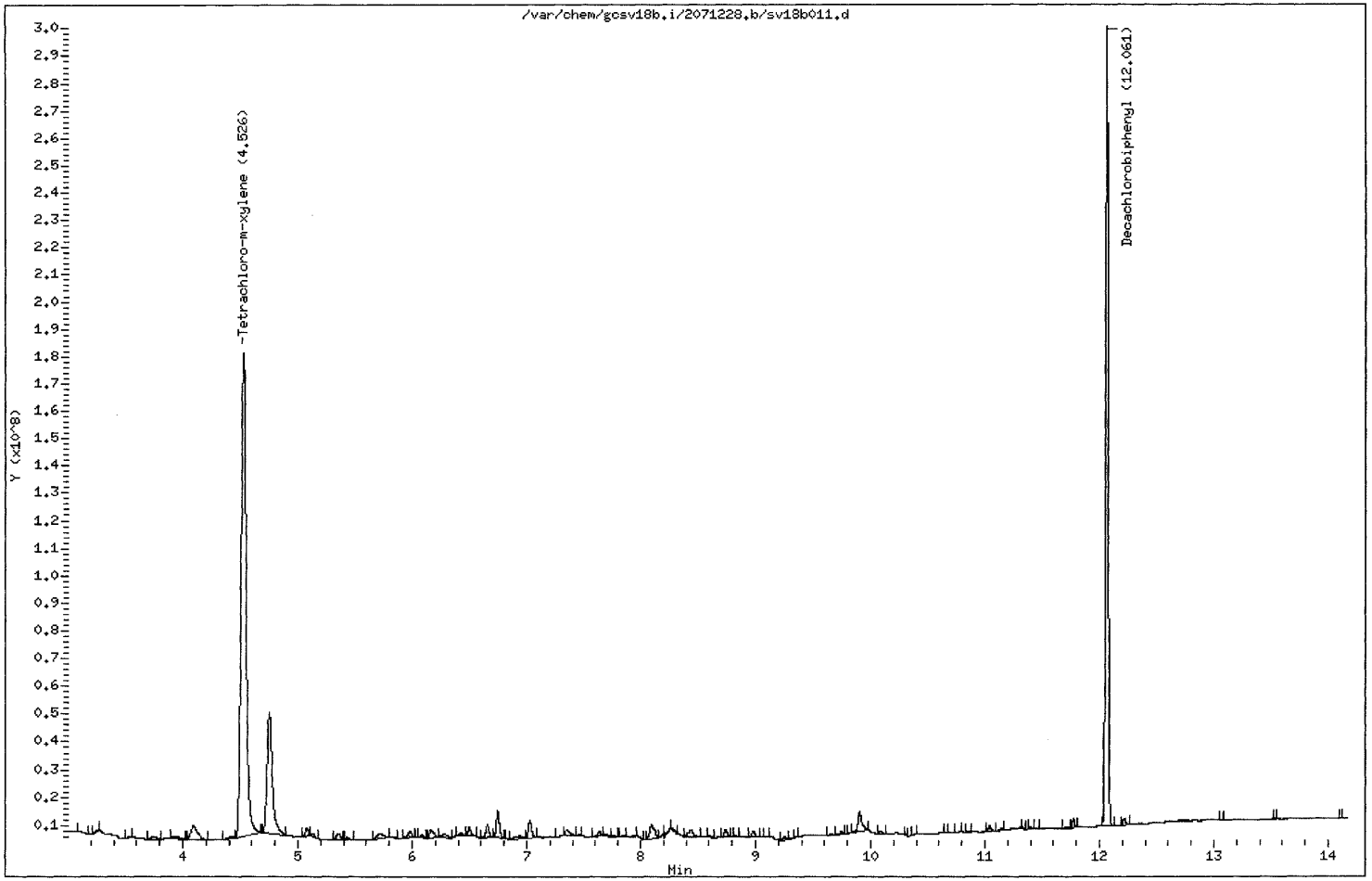
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
$ 1 Tetrachloro-m-xylene	4.526	4.522	0.004	521661323	67.3795	0.35
$ 22 Decachlorobiphenyl	12.061	12.062	-0.001	428346201	73.9442	0.38

169582

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b011.d
Date : 28-DEC-2007 14:17
Client ID:
Sample Info: 20712202015*1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

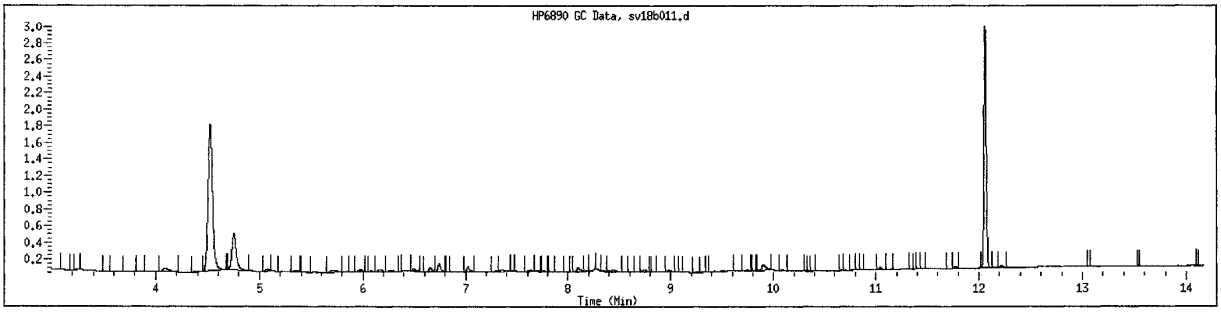
Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv18b.i/2071228.b/sv18b011.d Page: 1
Report Date: 12/31/2007 10:36

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20712202015	SampleType	: SAMPLE
Injection Date	: 12/28/2007 14:17	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 20712202015*1		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071228.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: all



NO MANUAL INTEGRATIONS

169584

Report Date : 08-Jan-2008 16:33

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:10
End Cal Date : 13-DEC-2007 18:40
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Cal Date : 07-Jan-2008 14:00 tls
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv18a.i/2071213.b/sv18a021.d
Level 2: /var/chem/gcsv18a.i/2071213.b/sv18a022.d
Level 3: /var/chem/gcsv18a.i/2071213.b/sv18a023.d
Level 4: /var/chem/gcsv18a.i/2071213.b/sv18a024.d
Level 5: /var/chem/gcsv18a.i/2071213.b/sv18a025.d
Level 6: /var/chem/gcsv18a.i/2071213.b/sv18a020.d

Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
2 alpha-BHC	8842926	9800182	9038131	8983374	8809527	13030845	9750831	16.894
3 gamma-BHC (Lindane)	7866734	8725655	7975676	7932635	7799781	+++++	8060096	4.690
4 Heptachlor	6572527	7215872	6548265	6507974	6430423	+++++	6655012	4.780
5 Aldrin	7064221	7856326	7201760	7110635	6916666	+++++	7229922	5.049
6 beta-BHC	3806325	4089329	3750796	3715335	3620052	+++++	3796367	4.669
7 delta-BHC	7685750	8626861	7948137	7897812	7797662	+++++	7991244	4.621
8 Heptachlor epoxide	6519175	7179356	6493914	6394894	6216312	+++++	6560730	5.574
9 Endosulfan I	5780410	6523531	6088798	5992137	5725697	+++++	6022115	5.271
10 gamma-Chlordane	6394446	7037929	6439591	6356227	6188115	+++++	6483262	5.002
11 alpha-Chlordane	5772382	6549696	5978153	5904600	5858899	+++++	6012746	5.144
12 4,4'-DDE	6282466	6863132	6170192	6078538	5953259	+++++	6269518	5.633
13 Dieldrin	6216484	6856337	6198764	6090078	5939898	+++++	6260312	5.606
14 Endrin	4868165	5279998	4743706	4674791	4610098	+++++	4835352	5.508
15 4,4'-DDD	4687995	5177820	4765762	4759566	4703664	+++++	4818961	4.222
16 Endosulfan II	5254903	5837531	5272674	5169802	5045823	+++++	5316147	5.736
17 4,4'-DDT	4645419	5379446	4899637	4888383	4918803	+++++	4946338	5.391
18 Endrin aldehyde	4168866	4526996	4157517	4111620	4019970	+++++	4196994	4.612
19 Methoxychlor	1878537	2030952	1790504	1819450	1847163	+++++	1873321	5.016
20 Endosulfan sulfate	4444233	4914356	4472414	4432295	4370800	+++++	4526820	4.855
21 Endrin ketone	5339235	5897893	5364612	5317138	5241893	+++++	5432154	4.867
M 23 AR 1016-AVG	1361030	1305483	1238941	1152888	1054960	1410786	1254015	10.625

169585

Report Date : 08-Jan-2008 16:33

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:10
End Cal Date : 13-DEC-2007 18:40
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Cal Date : 07-Jan-2008 14:00 tls
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	24 AR 1016-PEAK1	148130	145921	134672	122896	109298	149041	134993	11.926
	25 AR 1016-PEAK2	337359	323514	301763	278721	252160	361234	309125	12.894
	26 AR 1016-PEAK3	656962	621317	593904	555741	513011	694125	605843	10.928
	27 AR 1016-PEAK4	218579	214731	208602	195531	180491	206386	204053	6.857
M	28 AR 1260-AVG	1761756	1680032	1669834	1600017	1510690	1792273	1669100	6.211
	29 AR 1260-PEAK1	217333	209025	208348	200313	189063	228305	208731	6.481
	30 AR 1260-PEAK2	333323	323598	317570	303034	282346	351232	318517	7.514
	31 AR 1260-PEAK3	433083	408394	399524	380130	356150	455595	405479	8.819
	32 AR 1260-PEAK4	778017	739015	744391	716540	683130	757140	736372	4.490
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	197154	+++++	+++++	+++++	197154	0.000
	38 AR 1221-PEAK1	+++++	+++++	53509	+++++	+++++	+++++	53509	0.000
	39 AR 1221-PEAK2	+++++	+++++	18576	+++++	+++++	+++++	18576	0.000
	40 AR 1221-PEAK3	+++++	+++++	76219	+++++	+++++	+++++	76219	0.000
	41 AR 1221-PEAK4	+++++	+++++	48850	+++++	+++++	+++++	48850	0.000
M	42 AR 1232-AVG	+++++	+++++	589548	+++++	+++++	+++++	589548	0.000
	43 AR 1232-PEAK1	+++++	+++++	123451	+++++	+++++	+++++	123451	0.000
	44 AR 1232-PEAK2	+++++	+++++	136636	+++++	+++++	+++++	136636	0.000
	45 AR 1232-PEAK3	+++++	+++++	244665	+++++	+++++	+++++	244665	0.000
	46 AR 1232-PEAK4	+++++	+++++	84795	+++++	+++++	+++++	84795	0.000
M	47 AR 1242-AVG	+++++	+++++	936329	+++++	+++++	+++++	936329	0.000
	48 AR 1242-PEAK1	+++++	+++++	211876	+++++	+++++	+++++	211876	0.000
	49 AR 1242-PEAK2	+++++	+++++	413310	+++++	+++++	+++++	413310	0.000
	50 AR 1242-PEAK3	+++++	+++++	159069	+++++	+++++	+++++	159069	0.000
	51 AR 1242-PEAK4	+++++	+++++	152075	+++++	+++++	+++++	152075	0.000
M	52 AR 1248-AVG	+++++	+++++	865349	+++++	+++++	+++++	865349	0.000

169586

Report Date : 08-Jan-2008 16:33

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:10
End Cal Date : 13-DEC-2007 18:40
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Cal Date : 07-Jan-2008 14:00 tls
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	RRF	% RSD
	53 AR 1248-PEAK1	+++++	+++++	171635	+++++	+++++	+++++	171635	0.000
	54 AR 1248-PEAK2	+++++	+++++	222425	+++++	+++++	+++++	222425	0.000
	55 AR 1248-PEAK3	+++++	+++++	271970	+++++	+++++	+++++	271970	0.000
	56 AR 1248-PEAK4	+++++	+++++	199320	+++++	+++++	+++++	199320	0.000
M	57 AR 1254-AVG	+++++	+++++	809095	+++++	+++++	+++++	809095	0.000
	58 AR 1254-PEAK1	+++++	+++++	106939	+++++	+++++	+++++	106939	0.000
	59 AR 1254-PEAK2	+++++	+++++	103676	+++++	+++++	+++++	103676	0.000
	60 AR 1254-PEAK3	+++++	+++++	197609	+++++	+++++	+++++	197609	0.000
	61 AR 1254-PEAK4	+++++	+++++	400870	+++++	+++++	+++++	400870	0.000
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	697307	+++++	697307	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	184937	+++++	184937	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	222536	+++++	222536	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	147713	+++++	147713	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	142120	+++++	142120	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	1920710	+++++	1920710	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	276750	+++++	276750	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	318896	+++++	318896	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	695015	+++++	695015	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	630049	+++++	630049	0.000
	73 CHLORDANE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	74 AR 1268-AVG	+++++	+++++	3169437	+++++	+++++	+++++	3169437	0.000
	75 AR 1268-PEAK1	+++++	+++++	714673	+++++	+++++	+++++	714673	0.000
	76 AR 1268-PEAK2	+++++	+++++	569423	+++++	+++++	+++++	569423	0.000
	77 AR 1268-PEAK3	+++++	+++++	496354	+++++	+++++	+++++	496354	0.000
	78 AR 1268 PEAK4	+++++	+++++	1388986	+++++	+++++	+++++	1388986	0.000
M	79 AR 1262-AVG	+++++	+++++	1709626	+++++	+++++	+++++	1709626	0.000
	80 AR 1262-PEAK1	+++++	+++++	279035	+++++	+++++	+++++	279035	0.000
	81 AR 1262-PEAK2	+++++	+++++	379067	+++++	+++++	+++++	379067	0.000

169587

Report Date : 08-Jan-2008 16:33

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:10
End Cal Date : 13-DEC-2007 18:40
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Cal Date : 07-Jan-2008 14:00 tls
Curve Type : Average

Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	RRF	% RSD
82 AR 1262-PEAK3	+++++	+++++	341498	+++++	+++++	+++++	341498	0.000
83 AR 1262-PEAK4	+++++	+++++	710025	+++++	+++++	+++++	710025	0.000
84 Diallate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
85 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
86 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
173 Kepone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
174 Mirix	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 1 Tetrachloro-m-xylene	6814499	7735014	6951780	6889667	6539868	+++++	6986166	6.401
$ 22 Decachlorobiphenyl	3984686	4378817	4020595	4046412	3997205	+++++	4085543	4.054

169588

Report Date : 08-Jan-2008 16:33

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:10
End Cal Date : 13-DEC-2007 18:40
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Cal Date : 07-Jan-2008 14:00 tls
Curve Type : Average

Average %RSD Results.	
Calculated Average %RSD =	6.57314
Maximun Average %RSD =	20.00000
* Passed Average %RSD Test.	

1088

169589

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a013.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a013.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 15:07
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 80-6-4
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 15:07 Cal File: sv18a013.d
Als bottle: 13 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1221.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

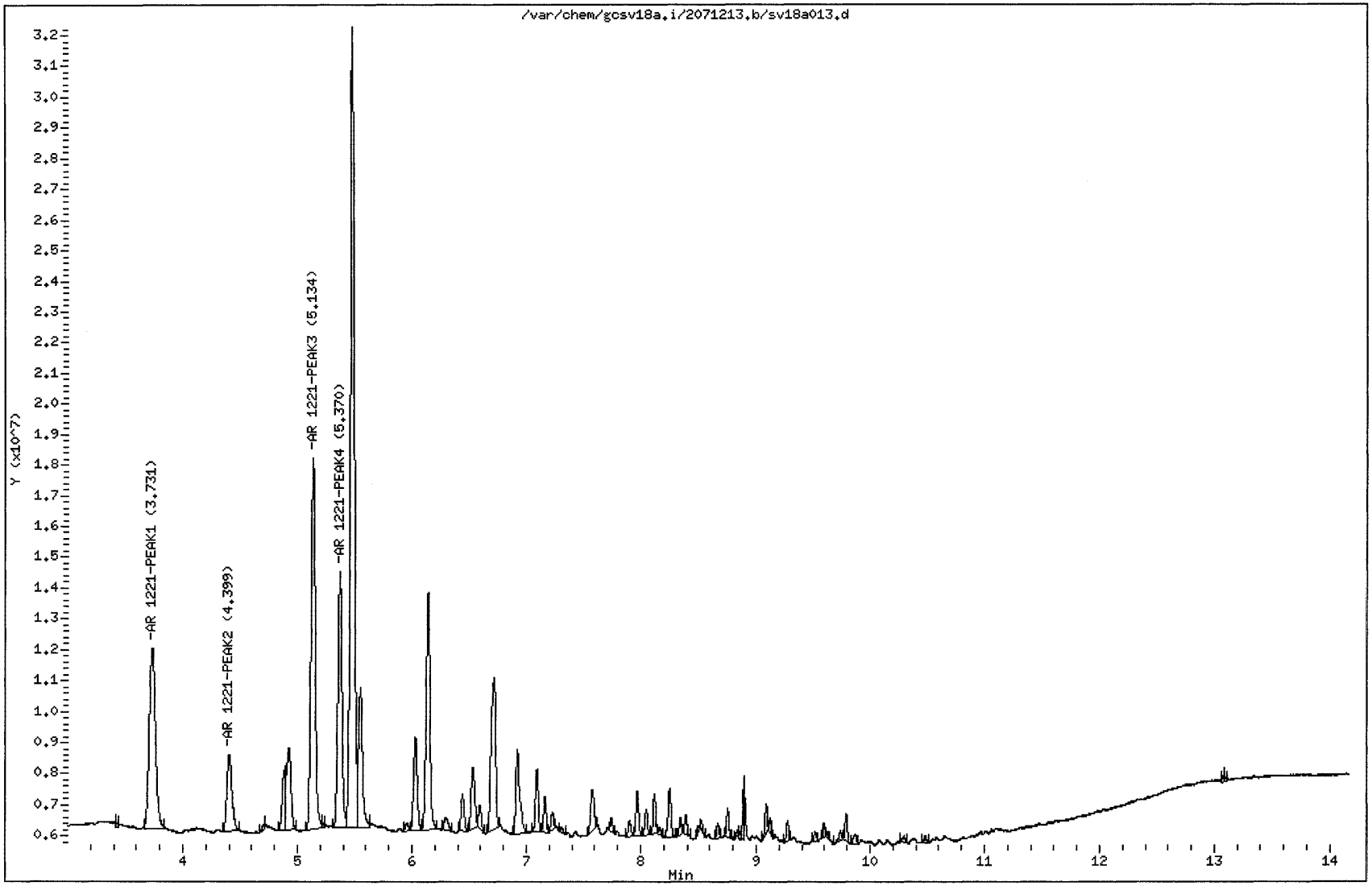
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	37 AR 1221-AVG				78861531	400.000	400
	38 AR 1221-PEAK1	3.731	3.731	0.000	21403633	400.000	400
	39 AR 1221-PEAK2	4.399	4.399	0.000	7430368	400.000	400
	40 AR 1221-PEAK3	5.134	5.134	0.000	30487632	400.000	400
	41 AR 1221-PEAK4	5.370	5.370	0.000	19539898	400.000	400

169590

1990

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a013.d
Date : 13-DEC-2007 15:07
Client ID:
Sample Info: 1203x1 80-6-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

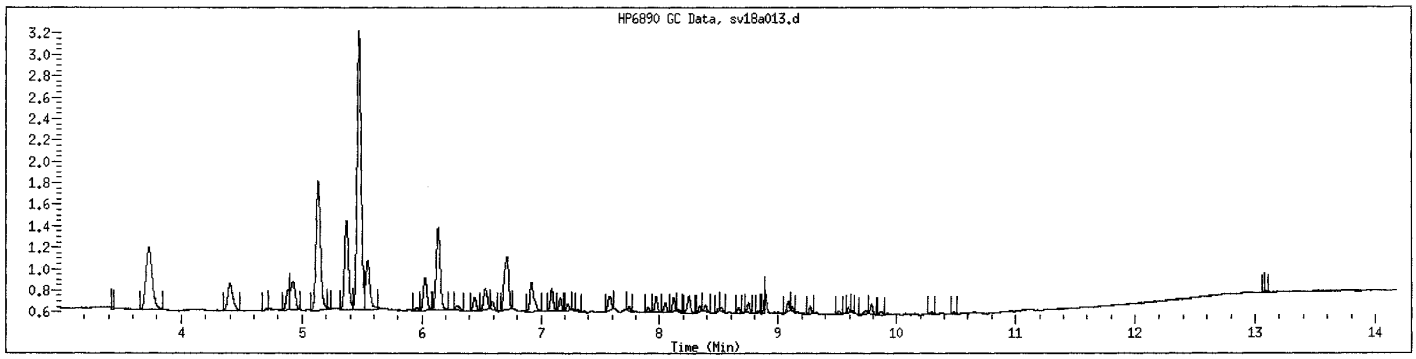
Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



169591

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 15:07	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1203*1 80-6-4		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1221



NO MANUAL INTEGRATIONS

169592

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a014.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a014.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 15:25
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 80-6-5
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 15:25 Cal File: sv18a014.d
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1232.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

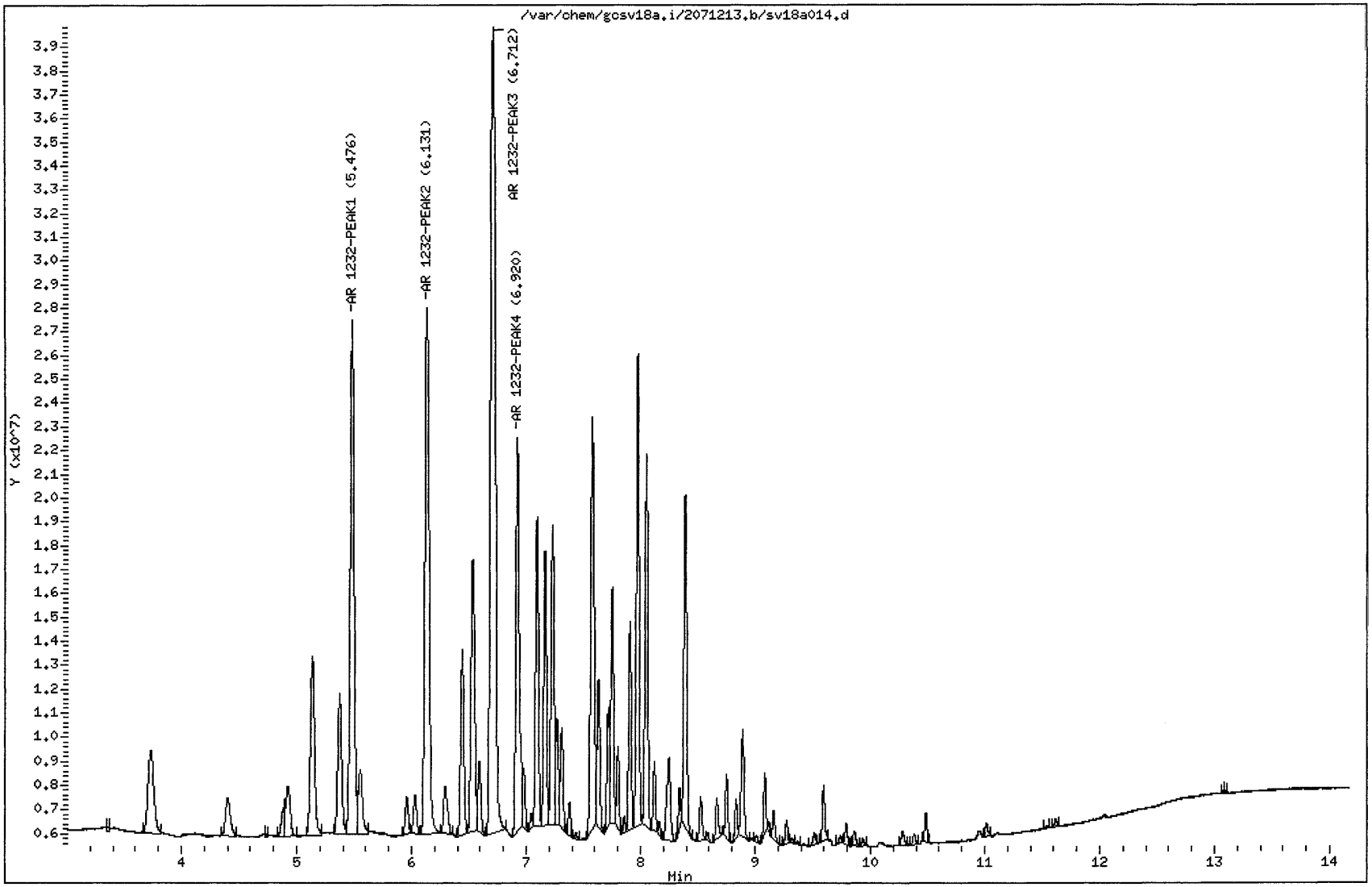
						AMOUNTS	
						CAL-AMT	ON-COL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/L)
M	42 AR 1232-AVG				235819206	400.000	400
	43 AR 1232-PEAK1	5.476	5.476	0.000	49380445	400.000	400
	44 AR 1232-PEAK2	6.131	6.131	0.000	54654482	400.000	400
	45 AR 1232-PEAK3	6.712	6.712	0.000	97866116	400.000	400
	46 AR 1232-PEAK4	6.920	6.920	0.000	33918163	400.000	400

169593

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a014.d
Date : 13-DEC-2007 15:25
Client ID:
Sample Info: 1203x1 80-6-5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

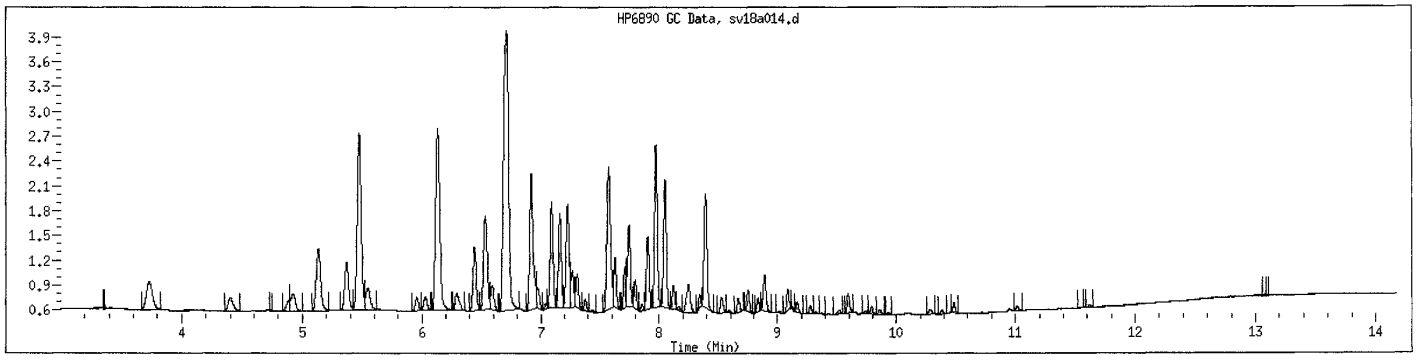
Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 15:25	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1203*1 80-6-5		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1232



NO MANUAL INTEGRATIONS

169595

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a015.d
Report Date: 17-Dec-2007 08:45

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a015.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 15:43
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 80-6-6
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 17-Dec-2007 08:45 tls Quant Type: ESTD
Cal Date : 13-DEC-2007 18:05 Cal File: sv18a023.d
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1242.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

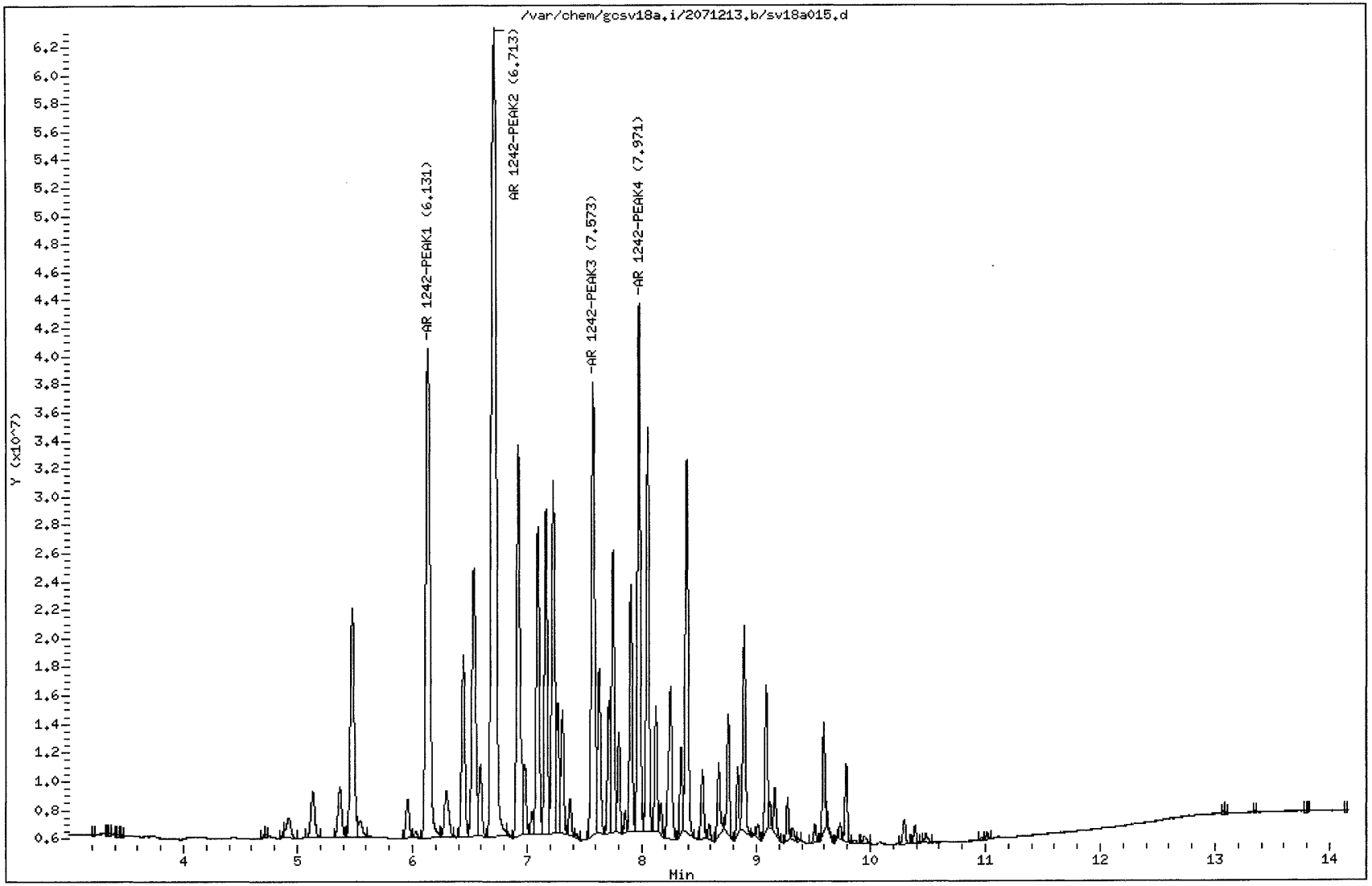
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	47 AR 1242-AVG				374531688	400.000	400
	48 AR 1242-PEAK1	6.131	6.131	0.000	84750234	400.000	400
	49 AR 1242-PEAK2	6.713	6.713	0.000	165323920	400.000	400
	50 AR 1242-PEAK3	7.573	7.573	0.000	63627513	400.000	400
	51 AR 1242-PEAK4	7.971	7.971	0.000	60830021	400.000	400

169596

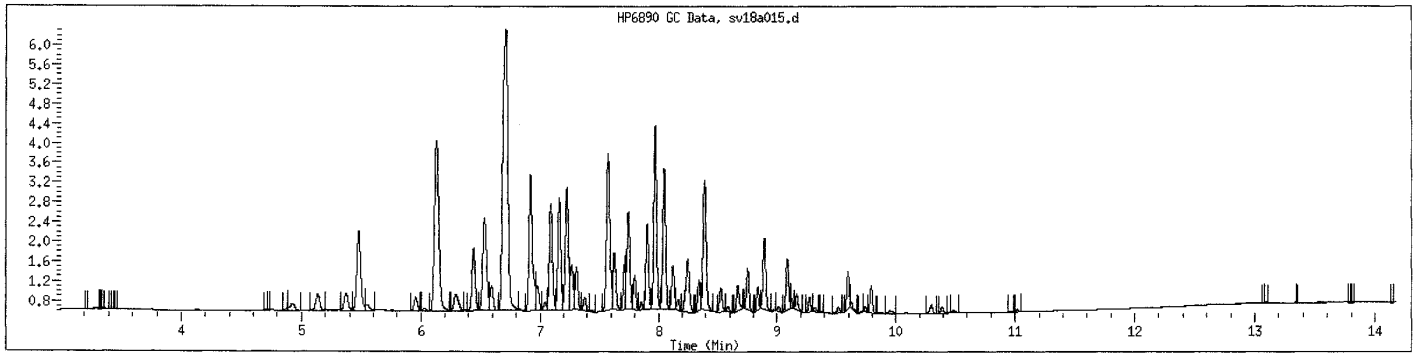
Data File: /var/chem/gcsv18a.i/2071213.b/sv18a015.d
Date : 13-DEC-2007 15:43
Client ID:
Sample Info: 1203x1 80-6-6
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 15:43	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1203*1 80-6-6		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1242



NO MANUAL INTEGRATIONS

169598

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a016.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a016.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 16:00
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 80-6-7
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 16:00 Cal File: sv18a016.d
Als bottle: 16 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1248.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

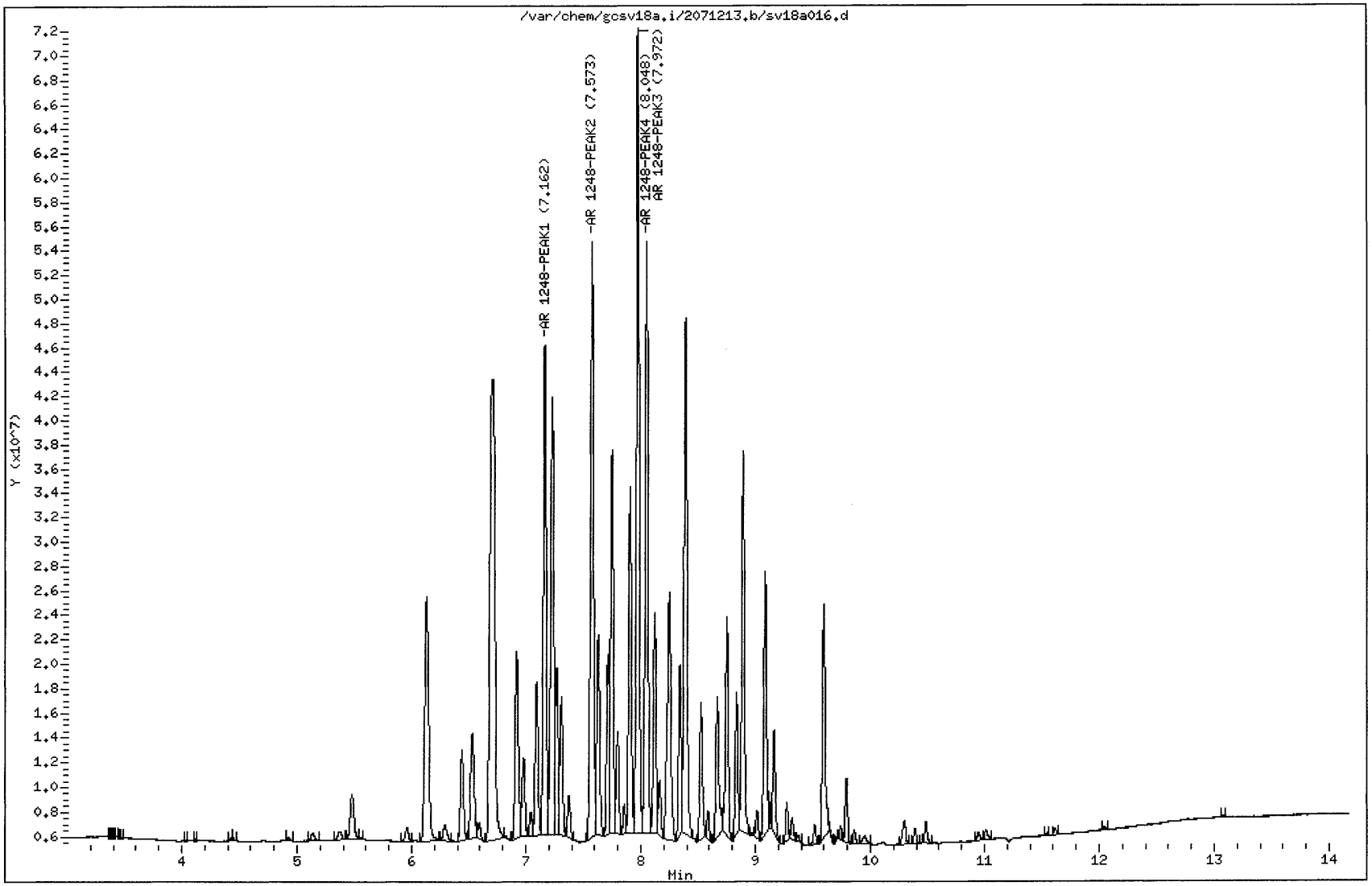
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	52 AR 1248-AVG				346139737	400.000	400
	53 AR 1248-PEAK1	7.162	7.162	0.000	68653908	400.000	400
	54 AR 1248-PEAK2	7.573	7.573	0.000	88969822	400.000	400
	55 AR 1248-PEAK3	7.972	7.972	0.000	108788150	400.000	400
	56 AR 1248-PEAK4	8.048	8.048	0.000	79727857	400.000	400

169599

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a016.d
Date : 13-DEC-2007 16:00
Client ID:
Sample Info: 1203x1 80-6-7
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

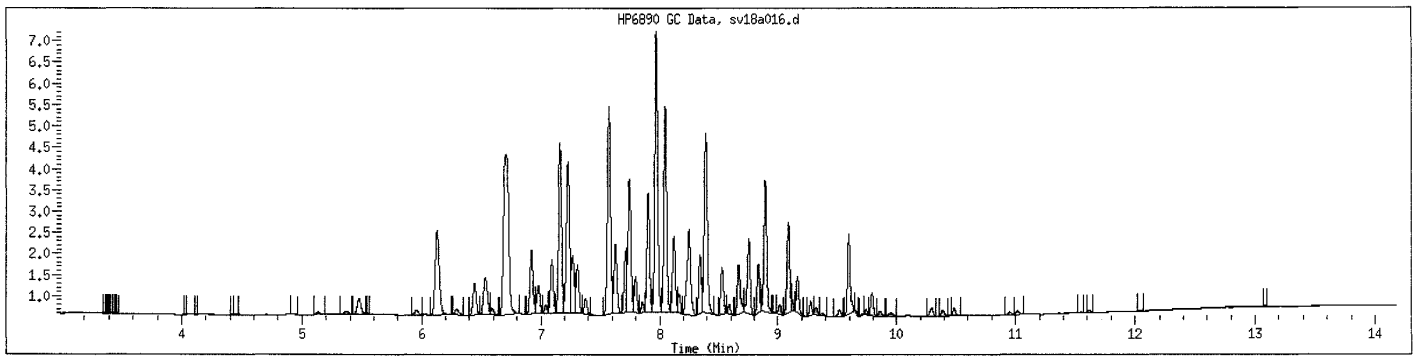
Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 16:00	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1203*1 80-6-7		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1248



NO MANUAL INTEGRATIONS

169601

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a017.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a017.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 16:18
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 80-6-8
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 16:18 Cal File: sv18a017.d
Als bottle: 17 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1254.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

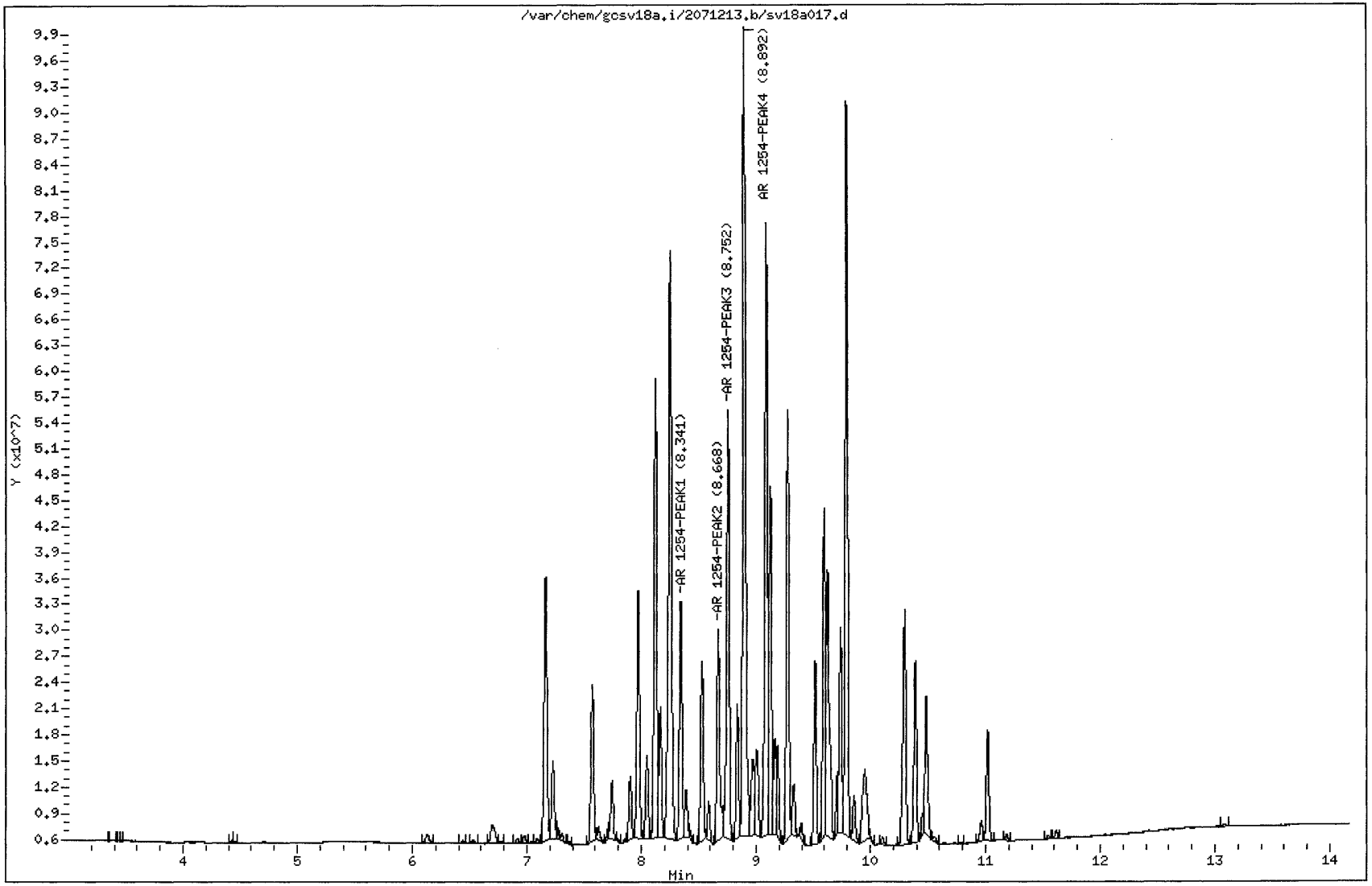
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 57 AR 1254-AVG				323638064	400.000	400
58 AR 1254-PEAK1	8.341	8.341	0.000	42775792	400.000	400
59 AR 1254-PEAK2	8.668	8.668	0.000	41470350	400.000	400
60 AR 1254-PEAK3	8.752	8.752	0.000	79043782	400.000	400
61 AR 1254-PEAK4	8.892	8.892	0.000	160348140	400.000	400

169602

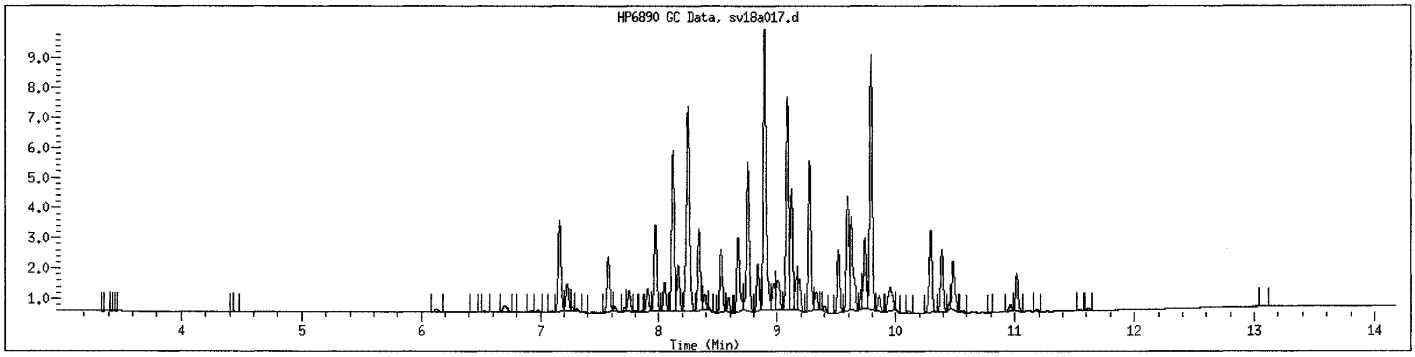
Data File: /var/chem/gcsv18a.i/2071213.b/sv18a017.d
Date : 13-DEC-2007 16:18
Client ID:
Sample Info: 1203*1 80-6-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 16:18	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1203*1 80-6-8		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1254



NO MANUAL INTEGRATIONS

169604

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a018.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a018.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 16:36
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 80-7-4
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 16:36 Cal File: sv18a018.d
Als bottle: 18 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1262.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

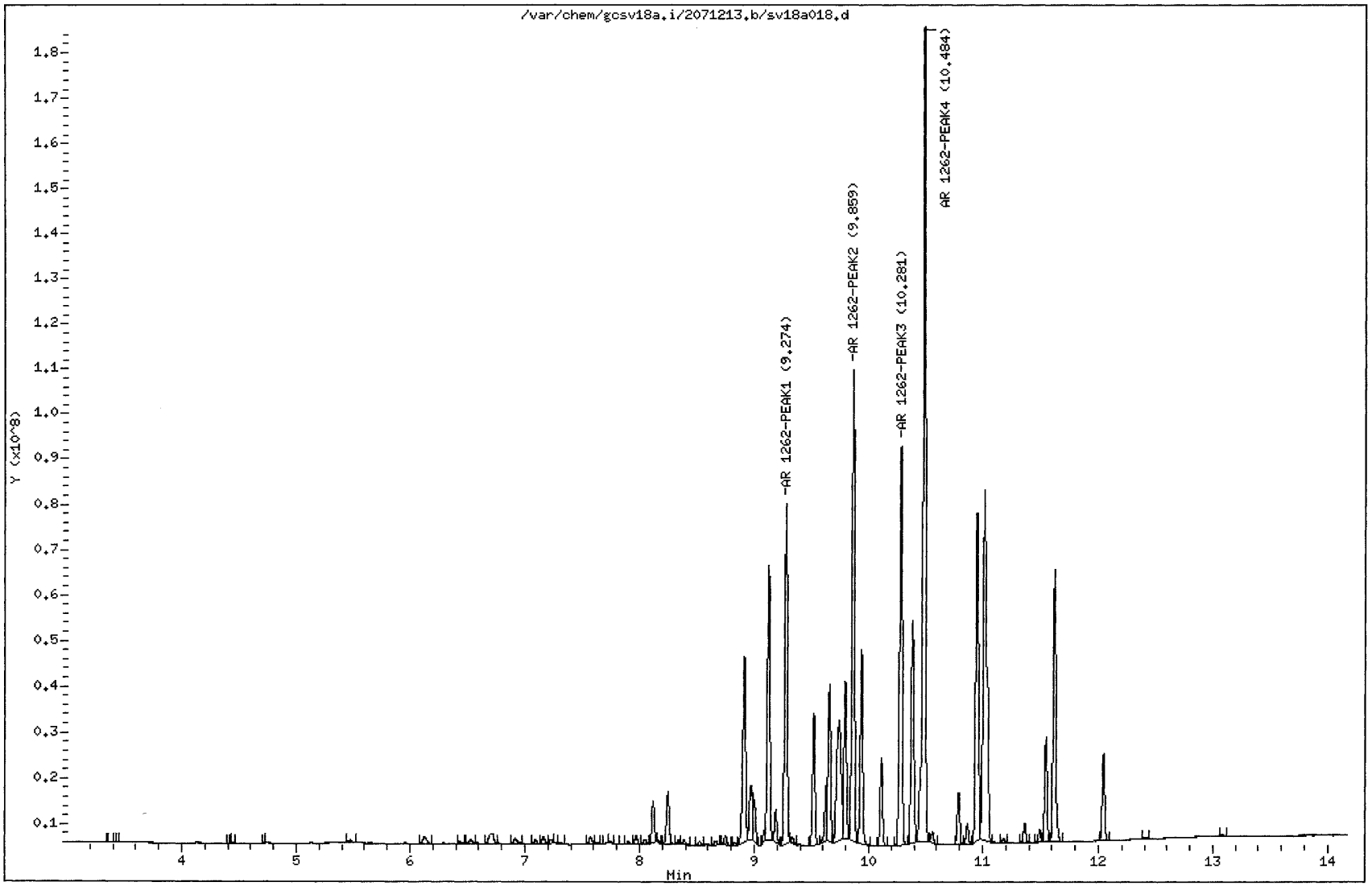
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 79 AR 1262-AVG				683850233	400.000	400
80 AR 1262-PEAK1	9.274	9.274	0.000	111614074	400.000	400
81 AR 1262-PEAK2	9.859	9.859	0.000	151626902	400.000	400
82 AR 1262-PEAK3	10.281	10.281	0.000	136599300	400.000	400
83 AR 1262-PEAK4	10.484	10.484	0.000	284009957	400.000	400

169605

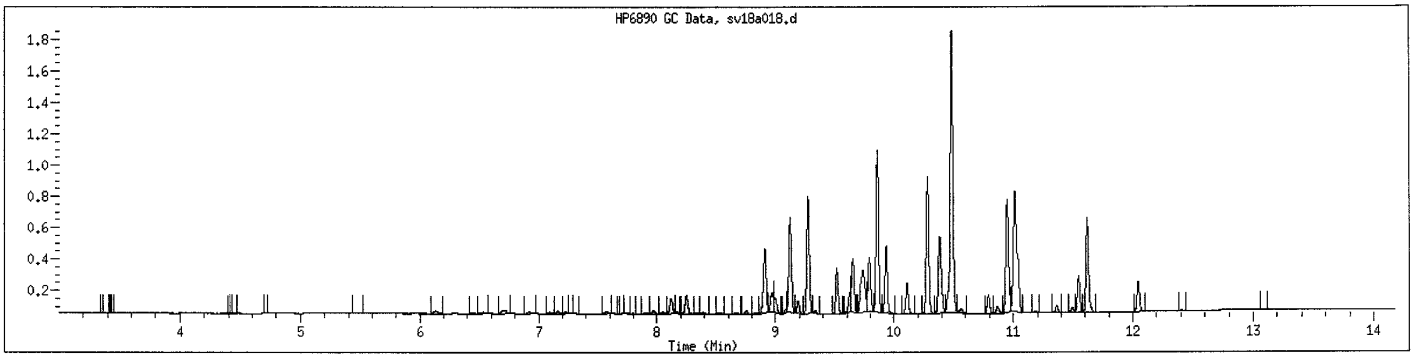
Data File: /var/chem/gcsv18a.i/2071213.b/sv18a018.d
Date : 13-DEC-2007 16:36
Client ID:
Sample Info: 1203*1 80-7-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 16:36	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1203*1 80-7-4		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: ar1262



NO MANUAL INTEGRATIONS

169607

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a019.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a019.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 16:54
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 80-7-5
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 16:54 Cal File: sv18a019.d
Als bottle: 19 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1268.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

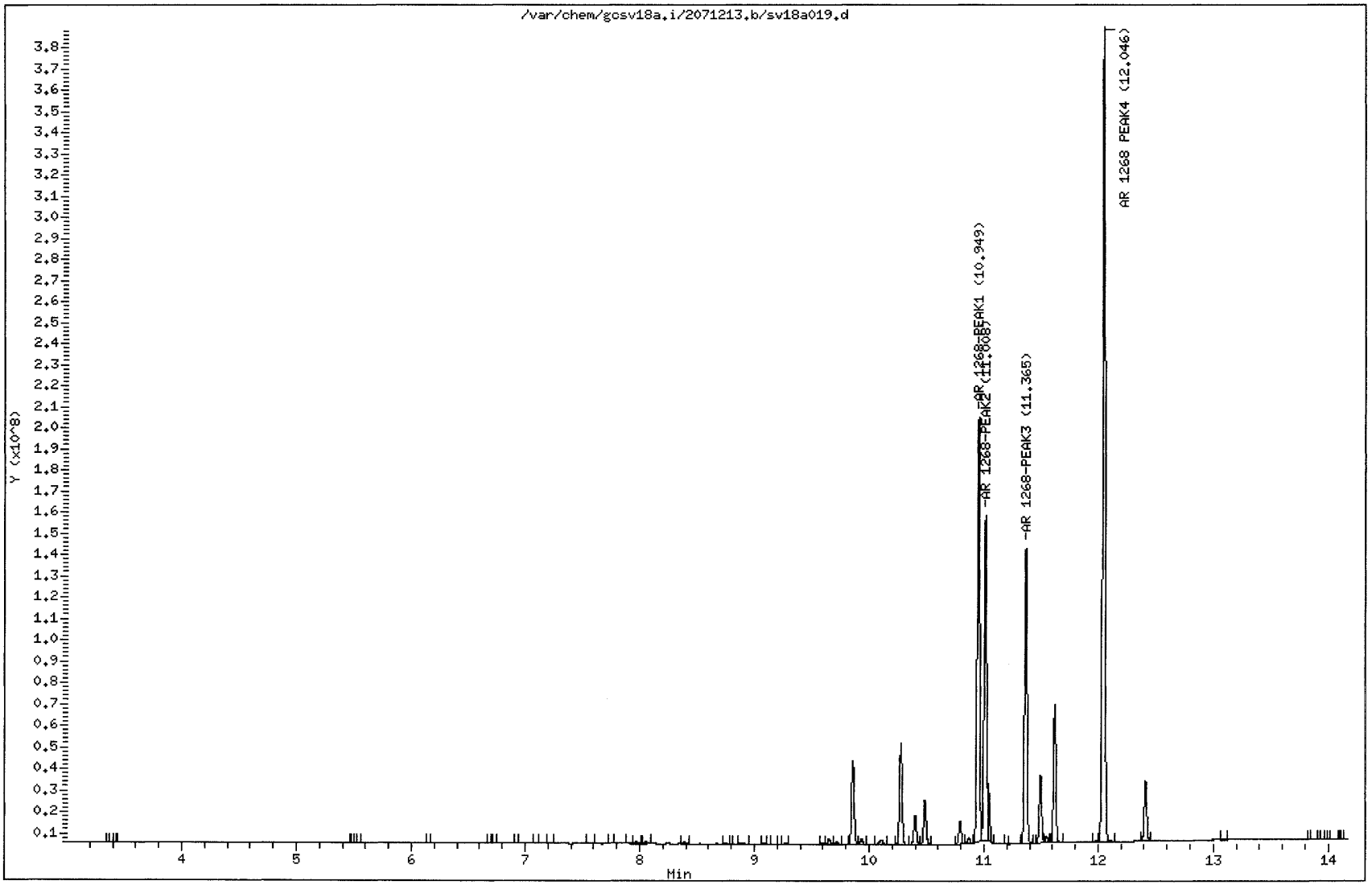
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	74 AR 1268-AVG				1267774612	400.000	400
	75 AR 1268-PEAK1	10.949	10.949	0.000	285869309	400.000	400
	76 AR 1268-PEAK2	11.008	11.008	0.000	227769324	400.000	400
	77 AR 1268-PEAK3	11.365	11.365	0.000	198541619	400.000	400
	78 AR 1268 PEAK4	12.046	12.046	0.000	555594360	400.000	400

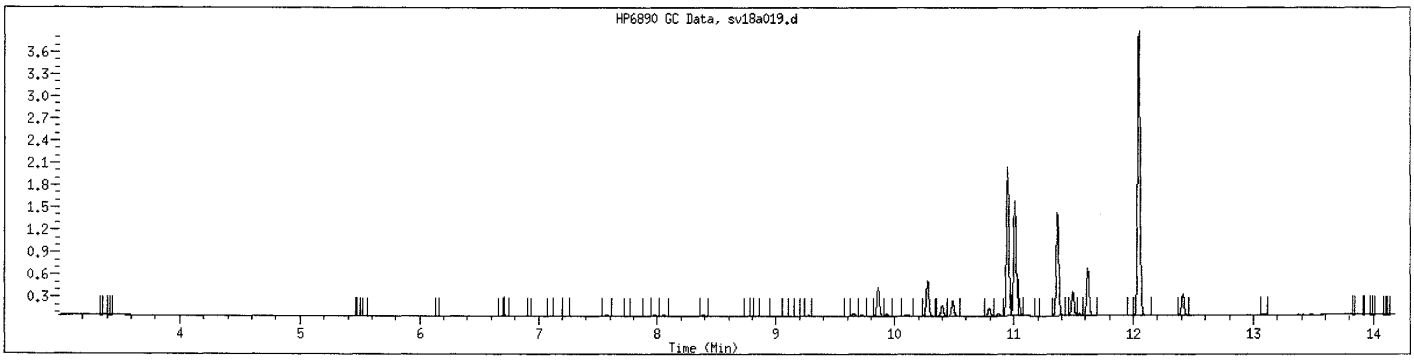
169608

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a019.d
Date : 13-DEC-2007 16:54
Client ID:
Instrument: gcsv18a.i
Sample Info: 1203*1 80-7-5
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 16:54	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1203*1 80-7-5		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: ar1268



NO MANUAL INTEGRATIONS

169610

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a020.d
Report Date: 14-Dec-2007 09:16

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a020.d
Lab Smp Id: 1206
Inj Date : 13-DEC-2007 17:11
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1206*1 50
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:14 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 17:11 Cal File: sv18a020.d
Als bottle: 20 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

						AMOUNTS	
						CAL-AMT	ON-COL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/L)
M	23 AR 1016-AVG				70539305	50.0000	56
	24 AR 1016-PEAK1	5.477	5.479	-0.002	7452040	50.0000	55(M2)
	25 AR 1016-PEAK2	6.131	6.131	0.000	18061715	50.0000	58
	26 AR 1016-PEAK3	6.715	6.713	0.002	34706244	50.0000	57
	27 AR 1016-PEAK4	7.573	7.572	0.001	10319305	50.0000	51(M2)
M	28 AR 1260-AVG				89613639	50.0000	54
	29 AR 1260-PEAK1	8.911	8.911	0.000	11415232	50.0000	55
	30 AR 1260-PEAK2	9.123	9.122	0.001	17561615	50.0000	55
	31 AR 1260-PEAK3	9.275	9.273	0.002	22779773	50.0000	56
	32 AR 1260-PEAK4	10.484	10.482	0.002	37857019	50.0000	51(M2)

169611

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a020.d
Report Date: 14-Dec-2007 09:16

QC Flag Legend

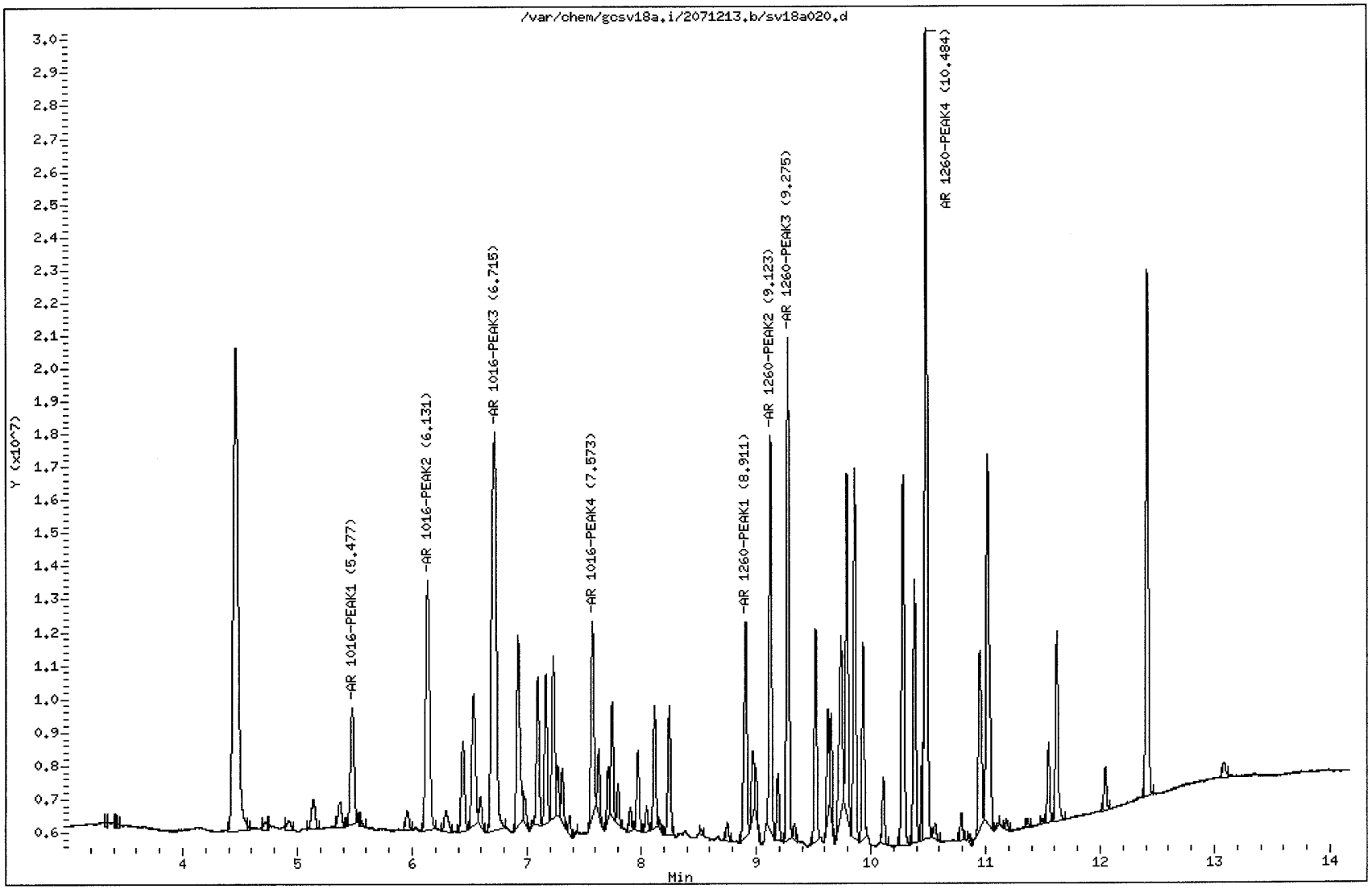
M2- Compound response manually integrated because
Target system integrated incorrectly.

169612

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a020.d
Date : 13-DEC-2007 17:11
Client ID:
Sample Info: 1206x1 50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32



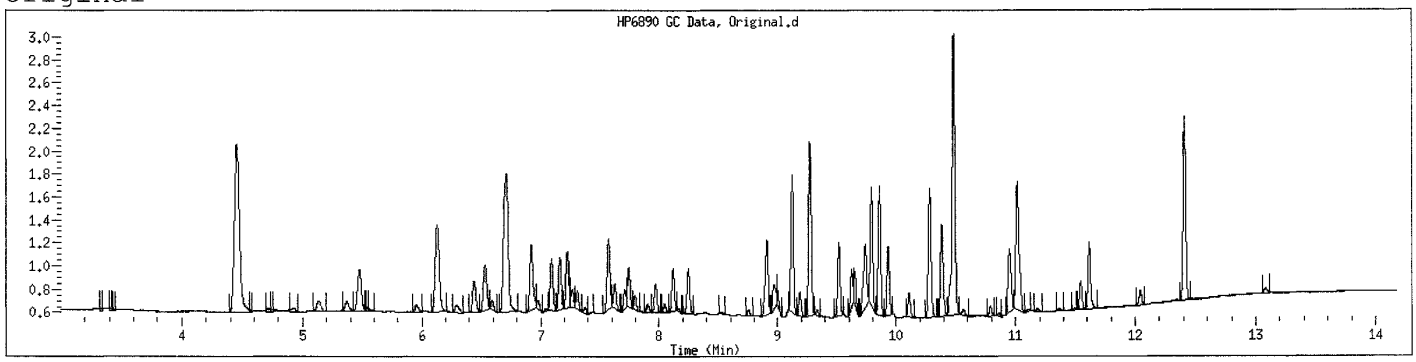
169613

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a020.d Page: 1
Report Date: 12/14/2007 09:16

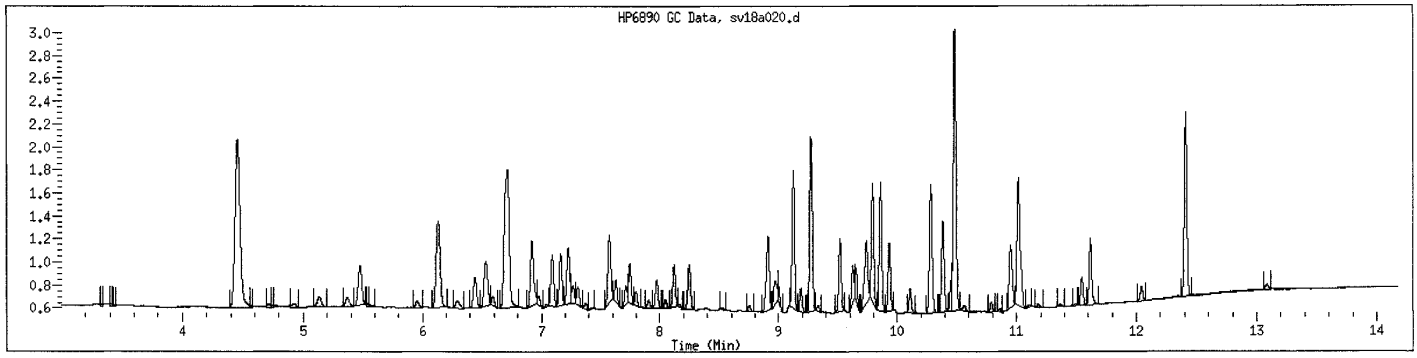
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1206	SampleType	: CALIB_6
Injection Date	: 12/13/2007 17:11	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1206*1 50		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260

Original



Final



169614

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a021.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a021.d
Lab Smp Id: 1201
Inj Date : 13-DEC-2007 17:29
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1201*1 100
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 17:29 Cal File: sv18a021.d
Als bottle: 21 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

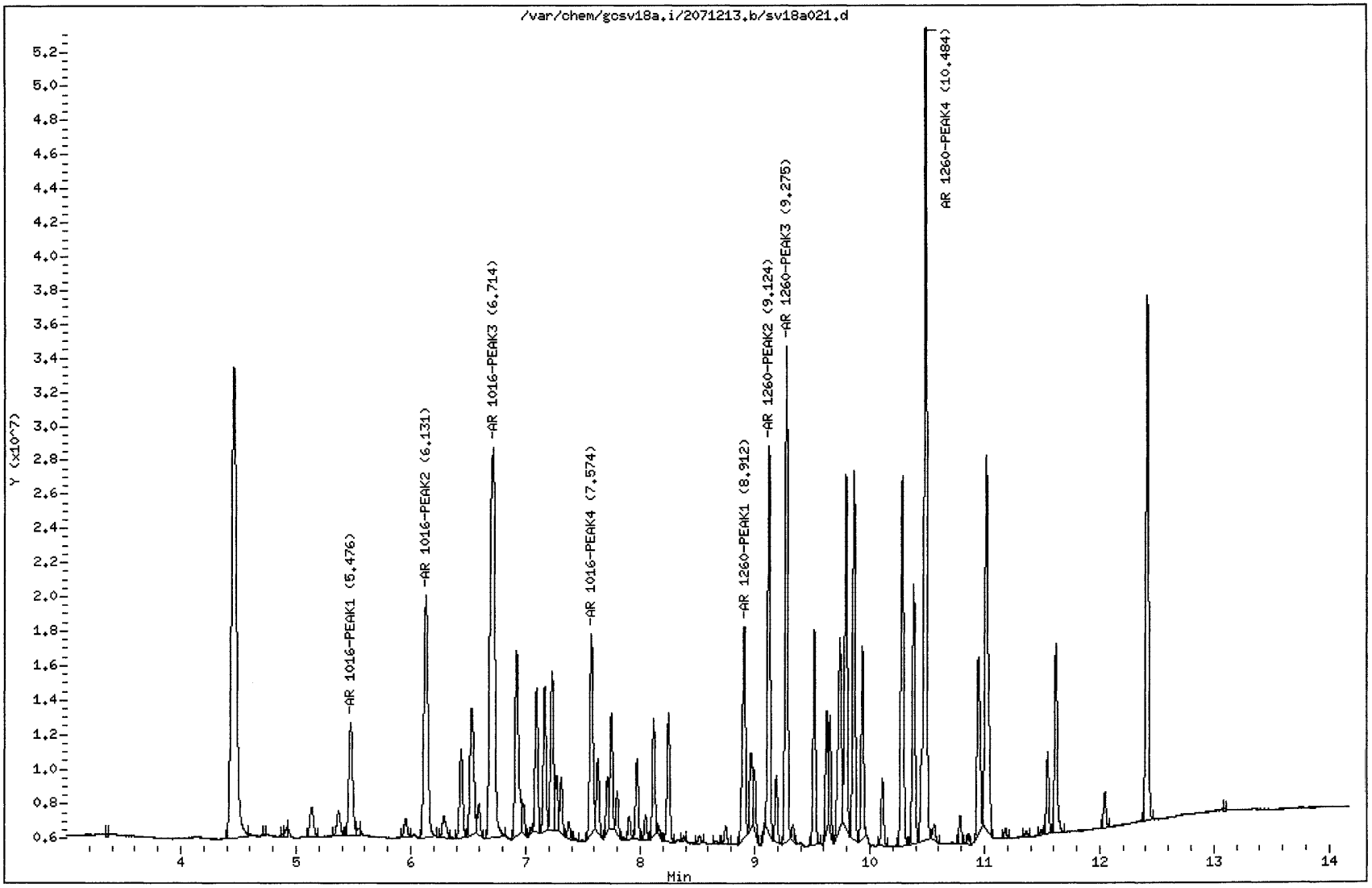
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				136103024	100.000	97
	24 AR 1016-PEAK1	5.476	5.479	-0.003	14813020	100.000	96
	25 AR 1016-PEAK2	6.131	6.131	0.000	33735872	100.000	97
	26 AR 1016-PEAK3	6.714	6.712	0.002	65696227	100.000	97
	27 AR 1016-PEAK4	7.574	7.572	0.002	21857905	100.000	99
M	28 AR 1260-AVG				176175612	100.000	98
	29 AR 1260-PEAK1	8.912	8.911	0.001	21733273	100.000	98
	30 AR 1260-PEAK2	9.124	9.122	0.002	33332328	100.000	97
	31 AR 1260-PEAK3	9.275	9.272	0.003	43308310	100.000	97
	32 AR 1260-PEAK4	10.484	10.482	0.002	77801701	100.000	98

169615

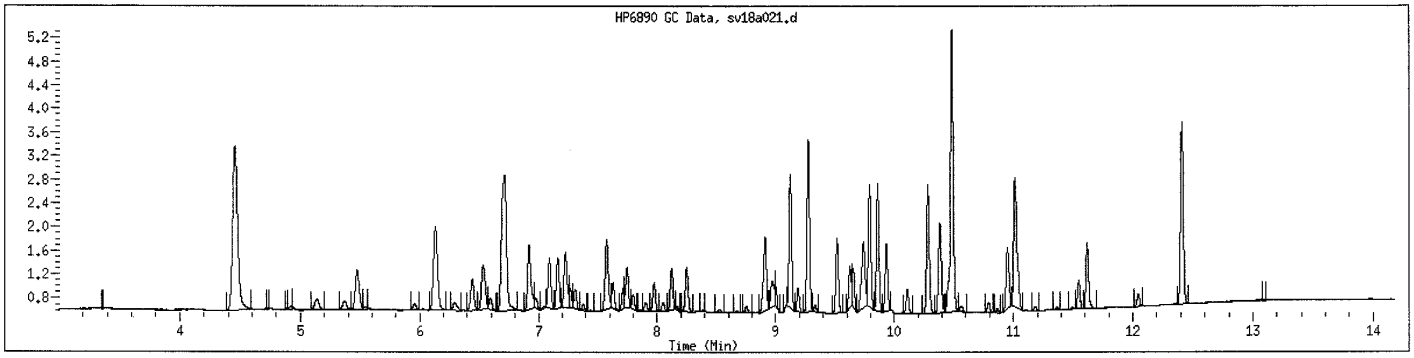
Data File: /var/chem/gcsv18a.i/2071213.b/sv18a021.d
Date : 13-DEC-2007 17:29
Client ID:
Sample Info: 1201x1 100
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1201 SampleType : CALIB_1
Injection Date: 12/13/2007 17:29 Instrument : gcsv18a.i
Operator : tls
Sample Info : 1201*1 100
Misc Info :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: aro1260



NO MANUAL INTEGRATIONS

169617

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a022.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a022.d
Lab Smp Id: 1202
Inj Date : 13-DEC-2007 17:47
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1202*1 200
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 17:47 Cal File: sv18a022.d
Als bottle: 22 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

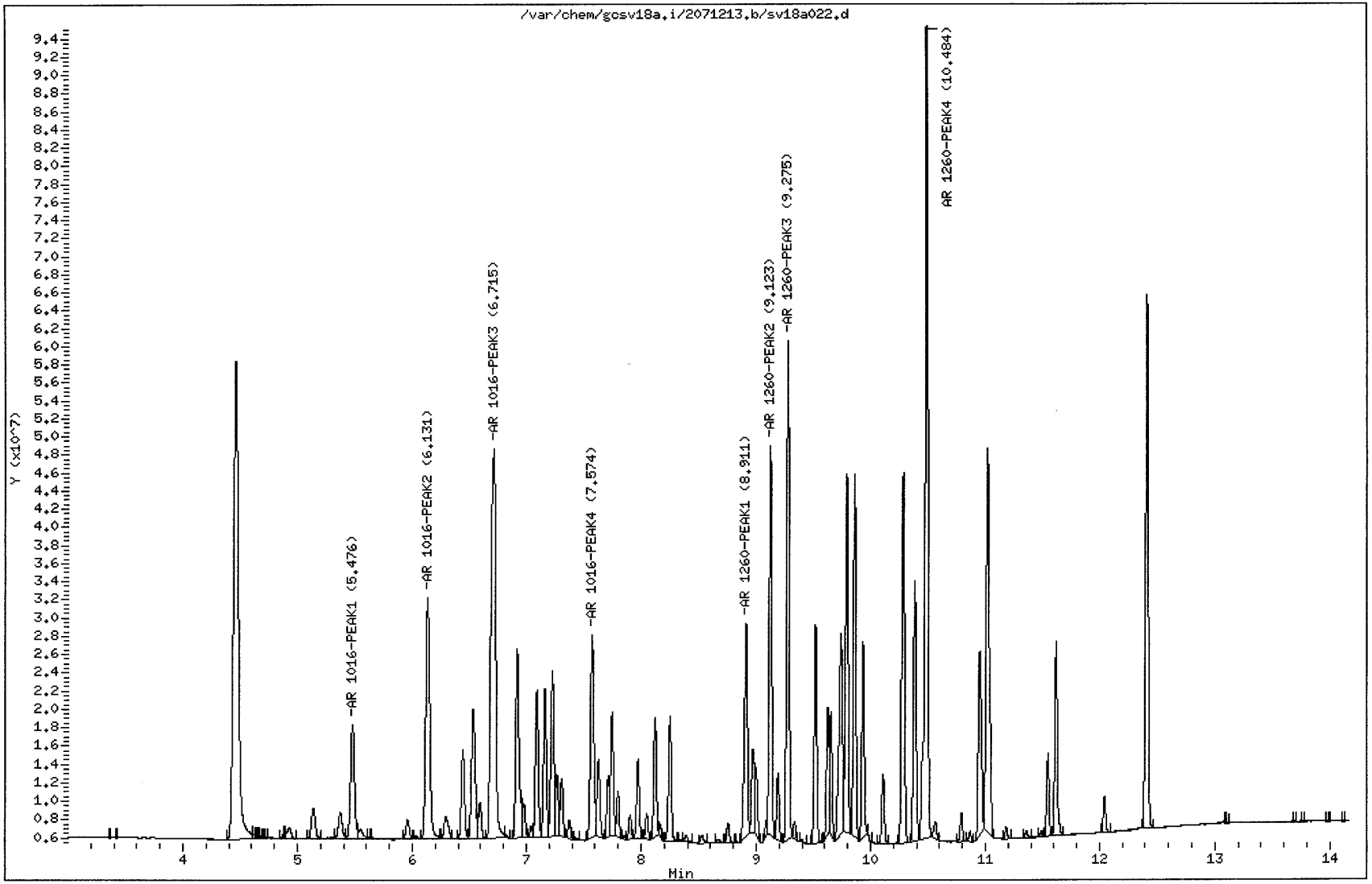
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				261096612	200.000	190
	24 AR 1016-PEAK1	5.476	5.478	-0.002	29184224	200.000	190
	25 AR 1016-PEAK2	6.131	6.131	0.000	64702896	200.000	190
	26 AR 1016-PEAK3	6.715	6.712	0.003	124263332	200.000	190
	27 AR 1016-PEAK4	7.574	7.572	0.002	42946160	200.000	200
M	28 AR 1260-AVG				336006391	200.000	190
	29 AR 1260-PEAK1	8.911	8.911	0.000	41804979	200.000	190
	30 AR 1260-PEAK2	9.123	9.122	0.001	64719577	200.000	190
	31 AR 1260-PEAK3	9.275	9.272	0.003	81678764	200.000	190
	32 AR 1260-PEAK4	10.484	10.482	0.002	147803071	200.000	190

169618

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a022.d
Date : 13-DEC-2007 17:47
Client ID:
Sample Info: 1202*1 200
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

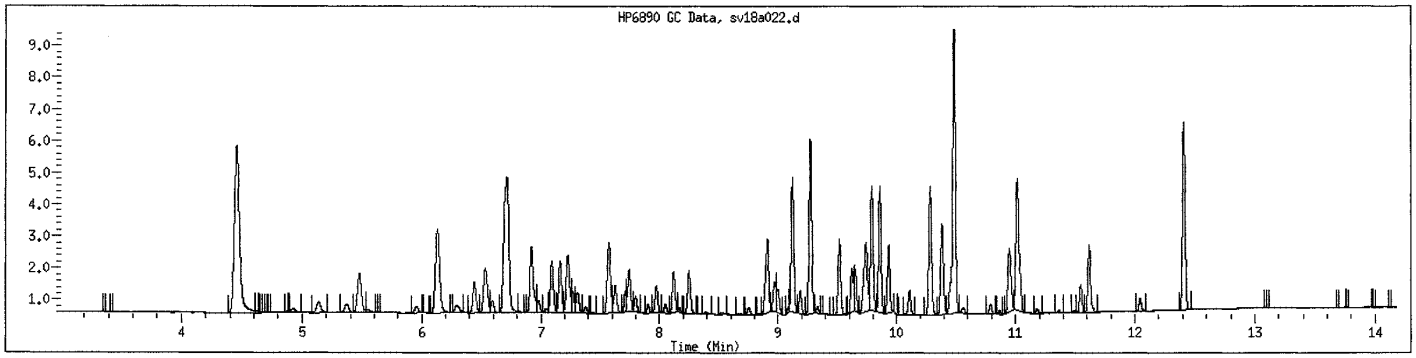
Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv18a.i/2071213.b/sv18a022.d Page: 1
Report Date: 12/14/2007 09:13

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1202	SampleType	: CALIB_2
Injection Date	: 12/13/2007 17:47	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1202*1 200		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

169620

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a023.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a023.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 18:05
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 400
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:05 Cal File: sv18a023.d
Als bottle: 23 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

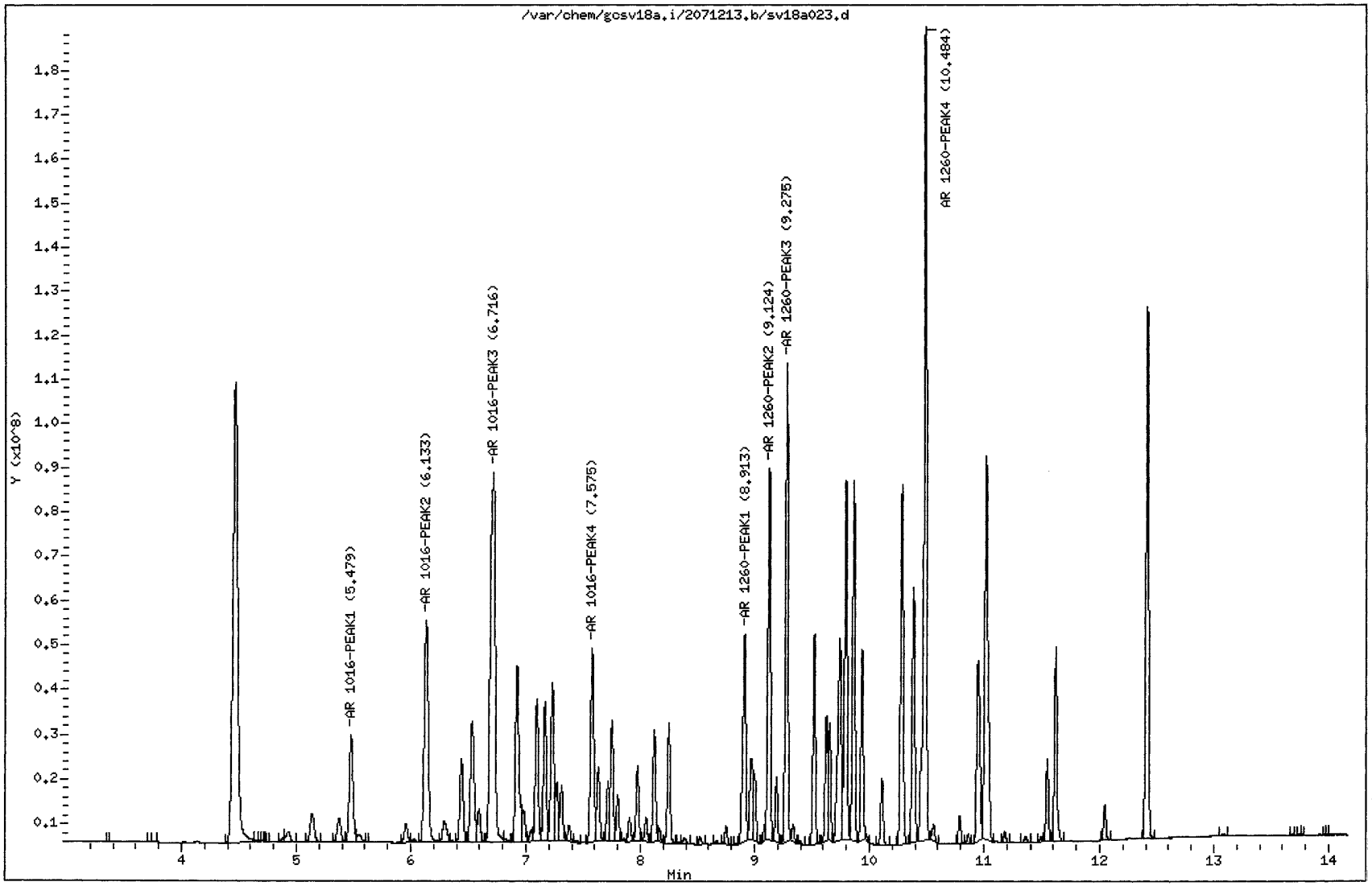
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				495576590	400.000	370
	24 AR 1016-PEAK1	5.479	5.479	0.000	53868902	400.000	370
	25 AR 1016-PEAK2	6.133	6.131	0.002	120705290	400.000	360
	26 AR 1016-PEAK3	6.716	6.713	0.003	237561476	400.000	370
	27 AR 1016-PEAK4	7.575	7.573	0.002	83440922	400.000	390
M	28 AR 1260-AVG				667933480	400.000	380
	29 AR 1260-PEAK1	8.913	8.911	0.002	83339218	400.000	390
	30 AR 1260-PEAK2	9.124	9.122	0.002	127028183	400.000	380
	31 AR 1260-PEAK3	9.275	9.273	0.002	159809719	400.000	380
	32 AR 1260-PEAK4	10.484	10.483	0.001	297756360	400.000	390

169621

1121

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a023.d
Date : 13-DEC-2007 18:05
Client ID:
Sample Info: 1203x1 400
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

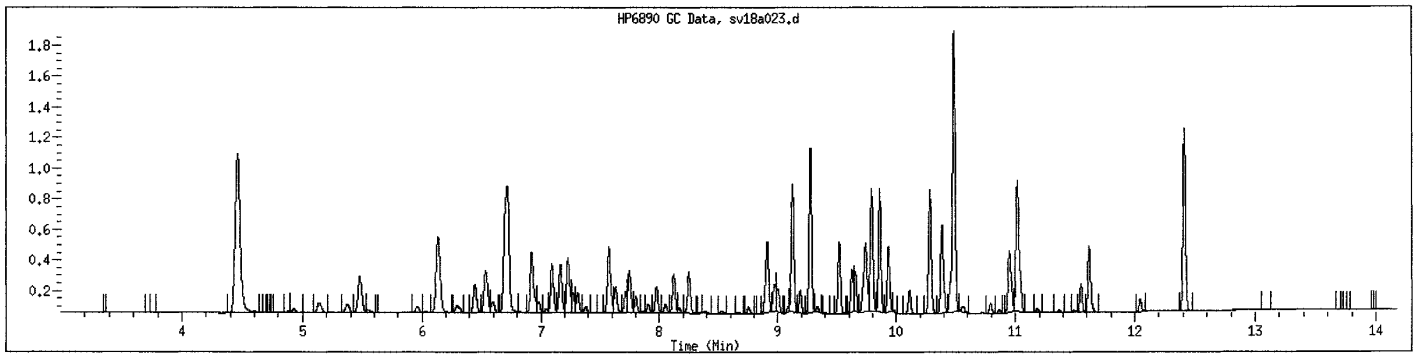
Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



169622

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 18:05	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1203*1 400		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

169623

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a024.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a024.d
Lab Smp Id: 1204
Inj Date : 13-DEC-2007 18:22
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1204*1 800
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:22 Cal File: sv18a024.d
Als bottle: 24 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

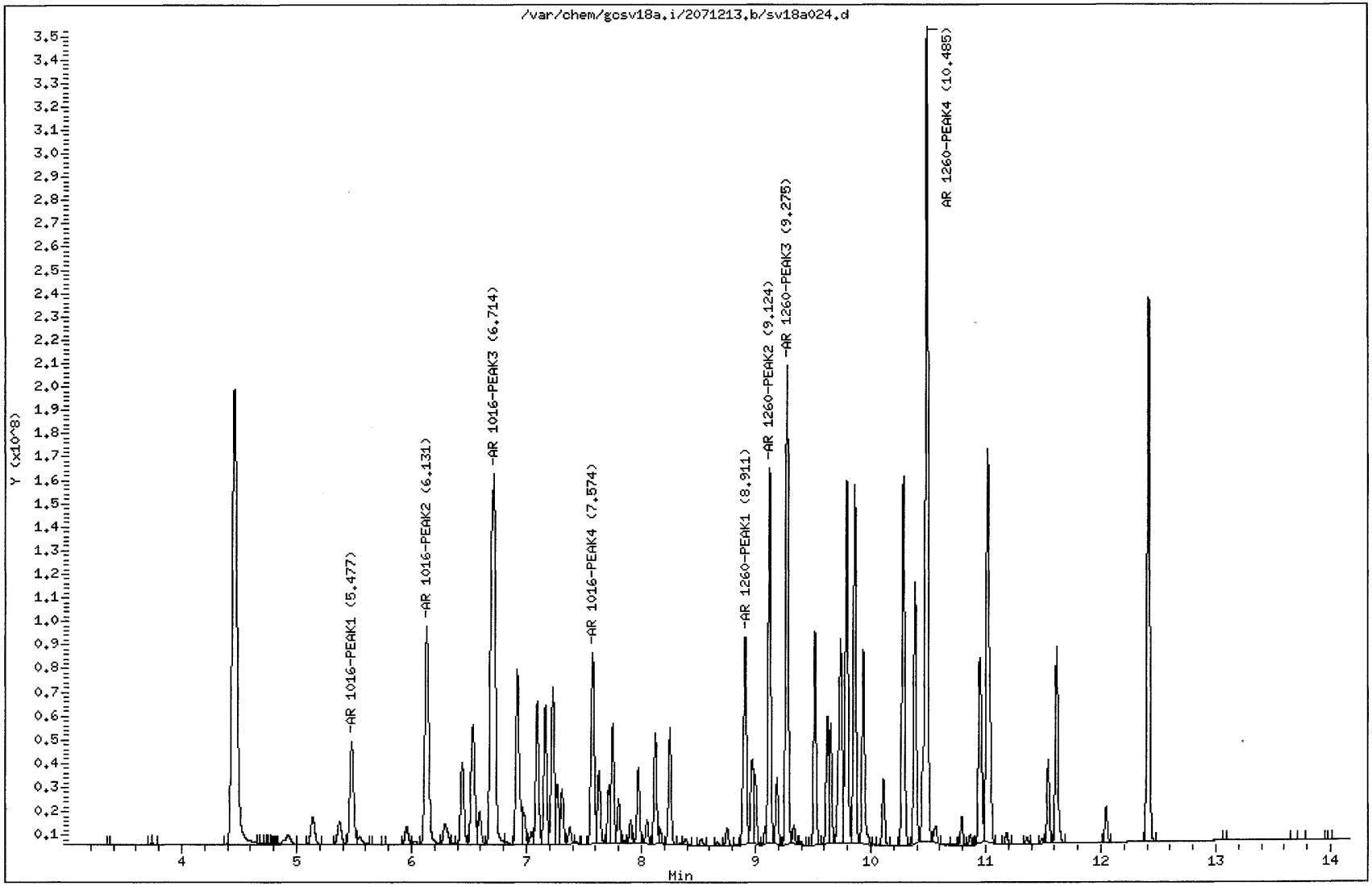
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				922310545	800.000	710
	24 AR 1016-PEAK1	5.477	5.479	-0.002	98316592	800.000	690
	25 AR 1016-PEAK2	6.131	6.131	0.000	222976533	800.000	700
	26 AR 1016-PEAK3	6.714	6.713	0.001	444592805	800.000	710
	27 AR 1016-PEAK4	7.574	7.573	0.001	156424615	800.000	740
M	28 AR 1260-AVG				1280013679	800.000	750
	29 AR 1260-PEAK1	8.911	8.911	0.000	160250334	800.000	750
	30 AR 1260-PEAK2	9.124	9.122	0.002	242427525	800.000	740
	31 AR 1260-PEAK3	9.275	9.273	0.002	304103720	800.000	730
	32 AR 1260-PEAK4	10.485	10.483	0.002	573232100	800.000	760

169624

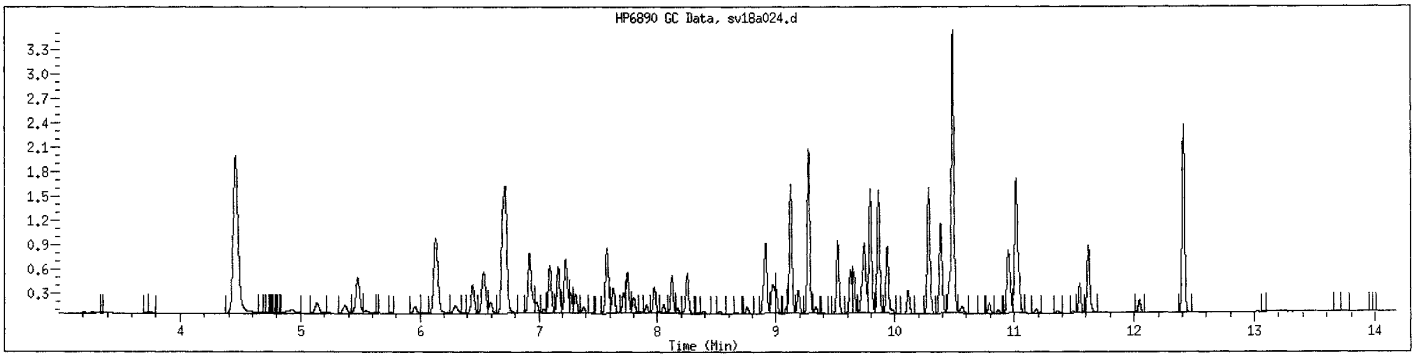
Data File: /var/chem/gcsv18a.i/2071213.b/sv18a024.d
Date : 13-DEC-2007 18:22
Client ID:
Sample Info: 1204x1 800
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1204	SampleType	: CALIB_4
Injection Date	: 12/13/2007 18:22	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1204*1 800		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

169626

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a025.d
Report Date: 14-Dec-2007 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a025.d
Lab Smp Id: 1205
Inj Date : 13-DEC-2007 18:40
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1205*1 80-8-4
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:13 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:40 Cal File: sv18a025.d
Als bottle: 25 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

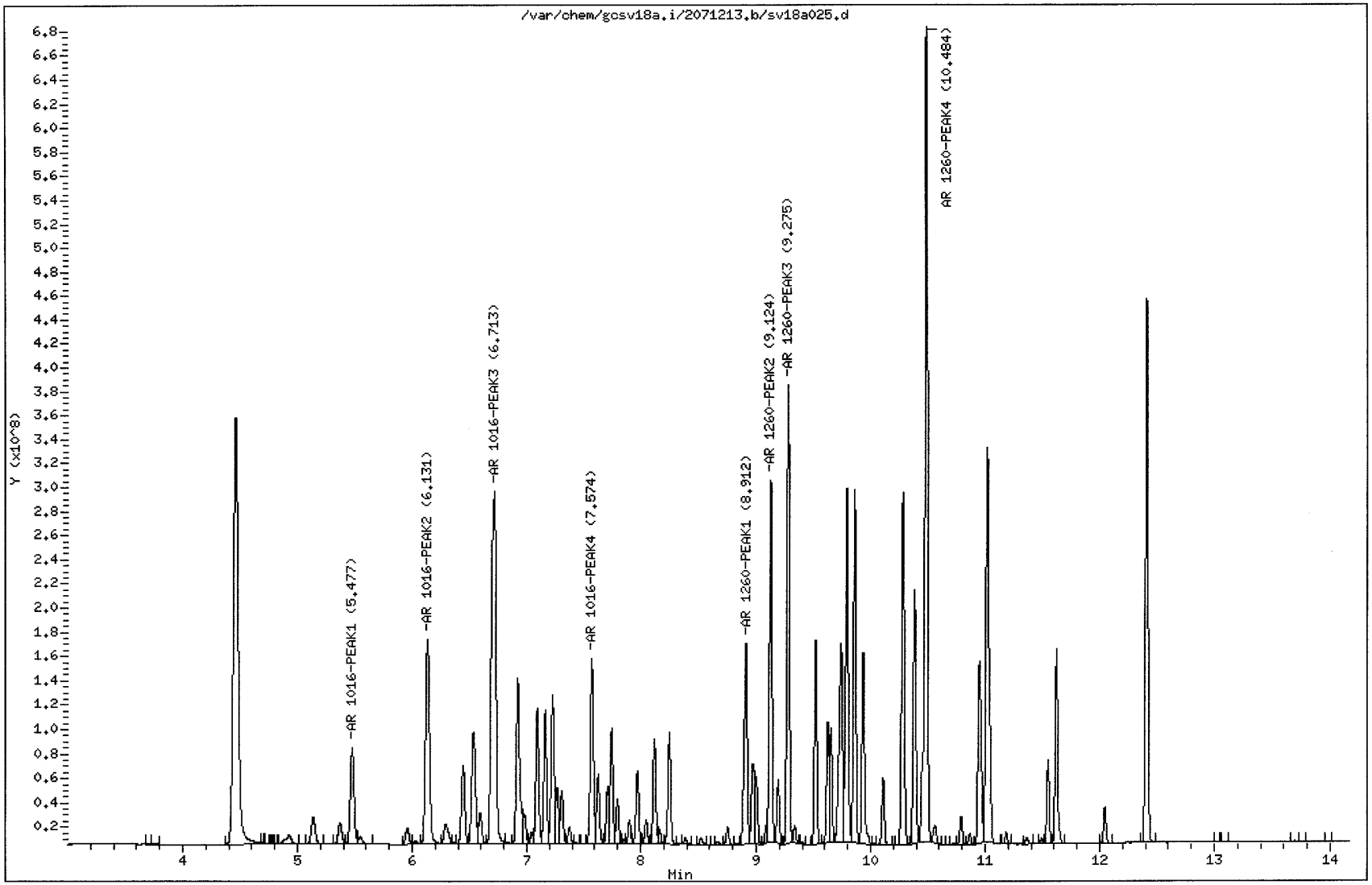
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				1687936664	1600.00	1300
	24 AR 1016-PEAK1	5.477	5.479	-0.002	174877194	1600.00	1300
	25 AR 1016-PEAK2	6.131	6.131	0.000	403456202	1600.00	1300
	26 AR 1016-PEAK3	6.713	6.713	0.000	820818160	1600.00	1400
	27 AR 1016-PEAK4	7.574	7.572	0.002	288785108	1600.00	1400
M	28 AR 1260-AVG				2417103313	1600.00	1400
	29 AR 1260-PEAK1	8.912	8.911	0.001	302501299	1600.00	1400
	30 AR 1260-PEAK2	9.124	9.122	0.002	451753903	1600.00	1400
	31 AR 1260-PEAK3	9.275	9.273	0.002	569839346	1600.00	1400
	32 AR 1260-PEAK4	10.484	10.482	0.002	1093008765	1600.00	1500

169627

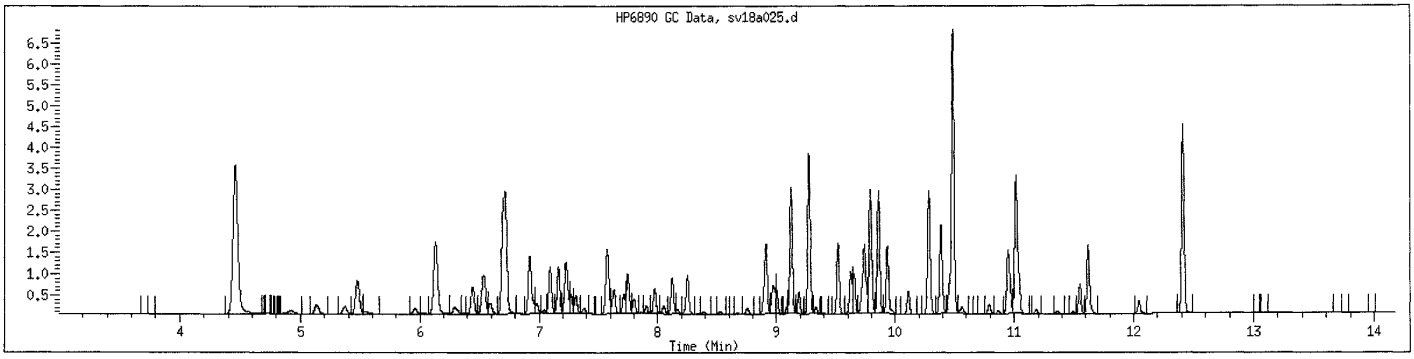
Data File: /var/chem/gcsv18a.i/2071213.b/sv18a025.d
Date : 13-DEC-2007 18:40
Client ID:
Sample Info: 1205x1 80-8-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1205 SampleType : CALIB_5
Injection Date: 12/13/2007 18:40 Instrument : gcsv18a.i
Operator : tls
Sample Info : 1205*1 80-8-4
Misc Info :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: aro1260



NO MANUAL INTEGRATIONS

169629

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a026.d
Report Date: 14-Dec-2007 09:28

GCAL, Inc.

RECOVERY REPORT

Client Name: Client SDG: 2071213
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: 1600
Level: LOW Operator: tls
Data Type: GC MULTI COMP SampleType: LCS
SpikeList File: pcbicv.spk Quant Type: ESTD
Sublist File: pcbicv.sub
Method File: /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
M 23 AR 1016-AVG	400	360	89.90	85-115
M 28 AR 1260-AVG	400	350	87.27	85-115

169630

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a026.d
Report Date: 14-Dec-2007 09:28

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071213.b/sv18a026.d
Lab Smp Id: 1600
Inj Date : 13-DEC-2007 18:58
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1600*1 80-6-10
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Meth Date : 14-Dec-2007 09:23 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 17:47 Cal File: sv18a022.d
Als bottle: 26 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcbicv.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (mL)
Vo	1.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

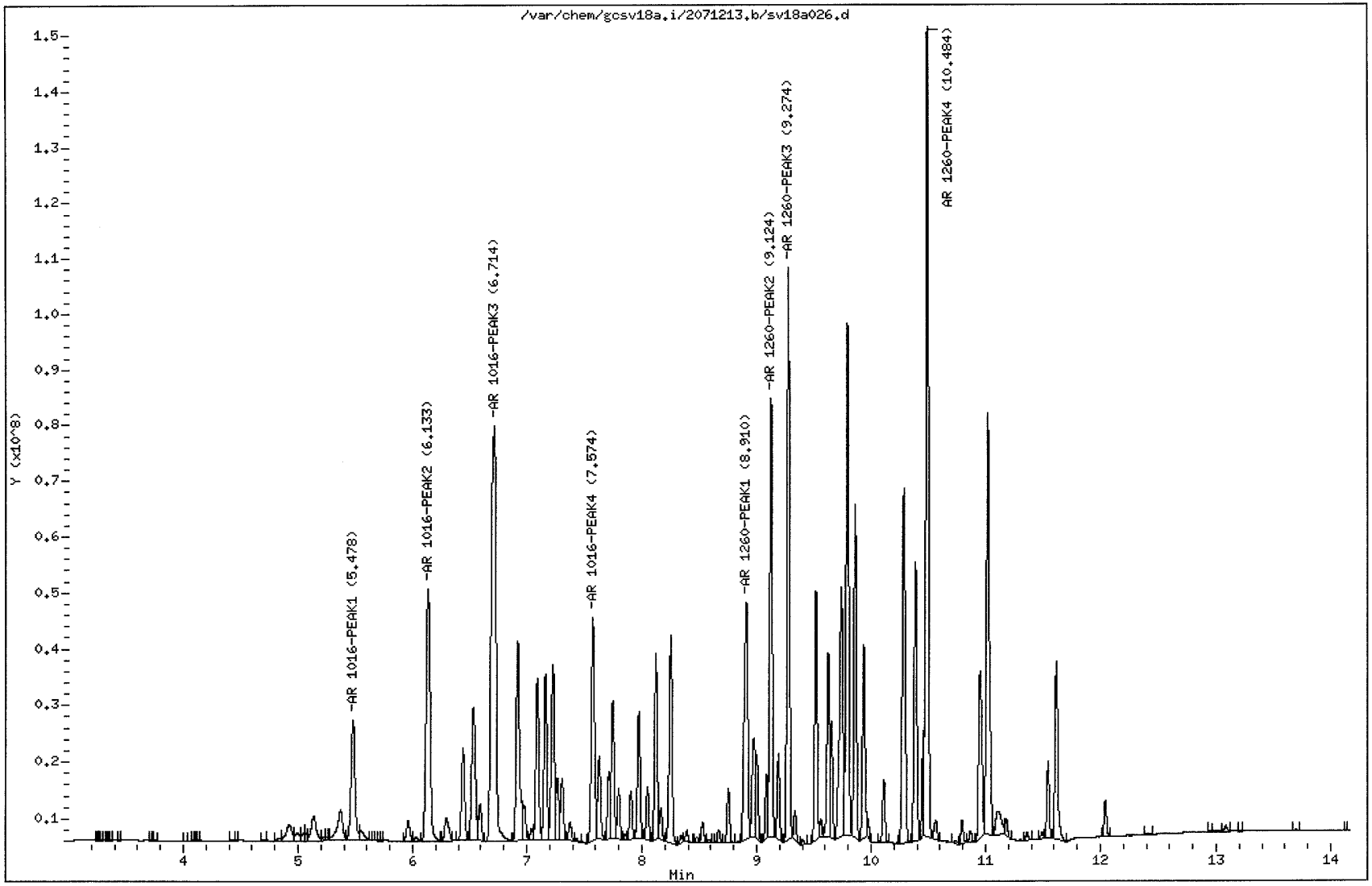
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
M	23 AR 1016-AVG				450967351	359.619	360
	24 AR 1016-PEAK1	5.478	5.478	0.000	49801255	368.917	370
	25 AR 1016-PEAK2	6.133	6.131	0.002	107517264	347.811	350
	26 AR 1016-PEAK3	6.714	6.713	0.001	215345724	355.448	360
	27 AR 1016-PEAK4	7.574	7.573	0.001	78303106	383.739	380
M	28 AR 1260-AVG				582641211	349.075	350
	29 AR 1260-PEAK1	8.910	8.911	-0.001	90751131	434.775	430
	30 AR 1260-PEAK2	9.124	9.122	0.002	119387597	374.823	370
	31 AR 1260-PEAK3	9.274	9.273	0.001	151388268	373.356	370
	32 AR 1260-PEAK4	10.484	10.484	0.000	221114213	300.275	300

169631

Data File: /var/chem/gcsv18a.i/2071213.b/sv18a026.d
Date : 13-DEC-2007 18:58
Client ID:
Sample Info: 1600*1 80-6-10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

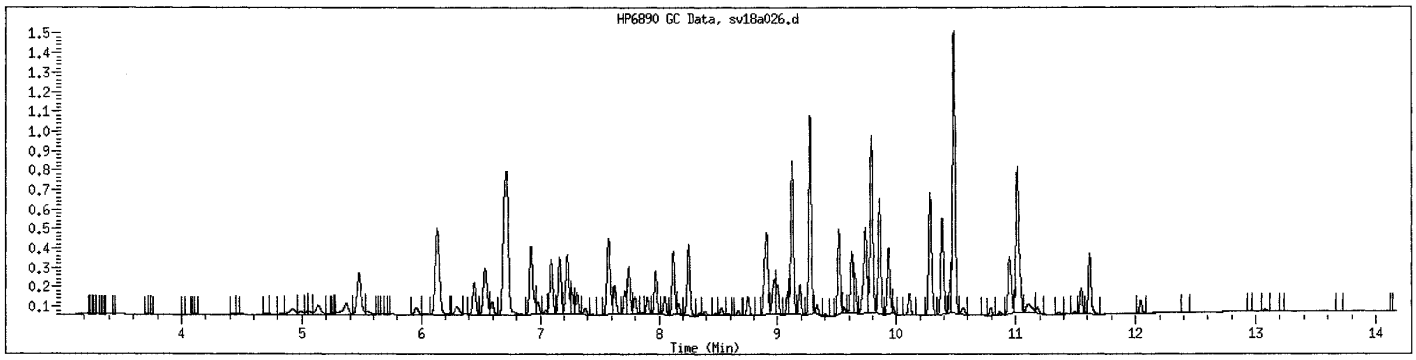
Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



Report Date: 12/14/2007 09:28

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 12/13/2007 18:58	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1600*1 80-6-10		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071213.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: pcbicv



NO MANUAL INTEGRATIONS

169633

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a004.d
Report Date: 07-Jan-2008 14:00

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 31-DEC-2007 10:43
Lab File ID: sv18a004.d Init. Cal. Date(s): 13-DEC-2007 13-DEC-2007
Analysis Type: WATER Init. Cal. Times: 12:10 18:40
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2071231.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	1254015	1132886	0.010	9.65927	15.00000	Averaged
24 AR 1016-PEAK1	134993	118151	0.010	12.47623	15.00000	Averaged
25 AR 1016-PEAK2	309125	277041	0.010	10.37889	15.00000	Averaged
26 AR 1016-PEAK3	605843	546872	0.010	9.73378	15.00000	Averaged
27 AR 1016-PEAK4	204053	190822	0.010	6.48431	15.00000	Averaged
M 28 AR 1260-AVG	1669100	1542277	0.010	7.59832	15.00000	Averaged
29 AR 1260-PEAK1	208731	196813	0.010	5.71002	15.00000	Averaged
30 AR 1260-PEAK2	318517	302758	0.010	4.94769	15.00000	Averaged
31 AR 1260-PEAK3	405479	383200	0.010	5.49464	15.00000	Averaged
32 AR 1260-PEAK4	736372	659506	0.010	10.43849	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 8.29216
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

169634

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a004.d
Report Date: 07-Jan-2008 14:00

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071231.b/sv18a004.d
Lab Smp Id: 1400
Inj Date : 31-DEC-2007 10:43
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 80-12-5
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Meth Date : 07-Jan-2008 14:00 tls Quant Type: ESTD
Cal Date : 13-DEC-2007 18:05 Cal File: sv18a023.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

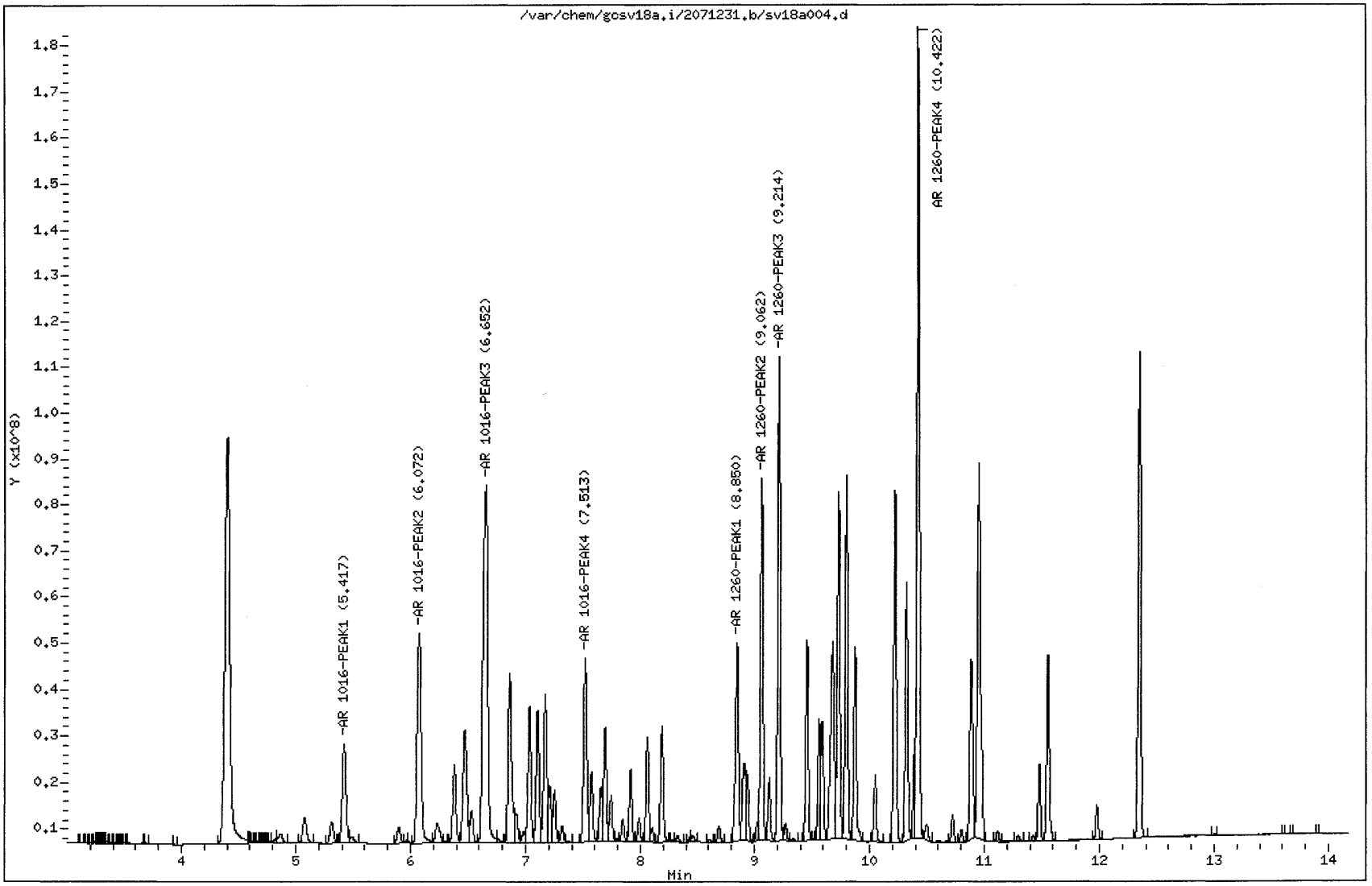
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				453154474	400.000	360
	24 AR 1016-PEAK1	5.417	5.403	0.014	47260408	400.000	350
	25 AR 1016-PEAK2	6.072	6.059	0.013	110816592	400.000	360
	26 AR 1016-PEAK3	6.652	6.642	0.010	218748742	400.000	360
	27 AR 1016-PEAK4	7.513	7.502	0.011	76328732	400.000	370
M	28 AR 1260-AVG				616910623	400.000	370
	29 AR 1260-PEAK1	8.850	8.841	0.009	78725002	400.000	380
	30 AR 1260-PEAK2	9.062	9.053	0.009	121103267	400.000	380
	31 AR 1260-PEAK3	9.214	9.205	0.009	153279870	400.000	380
	32 AR 1260-PEAK4	10.422	10.414	0.008	263802484	400.000	360

169635

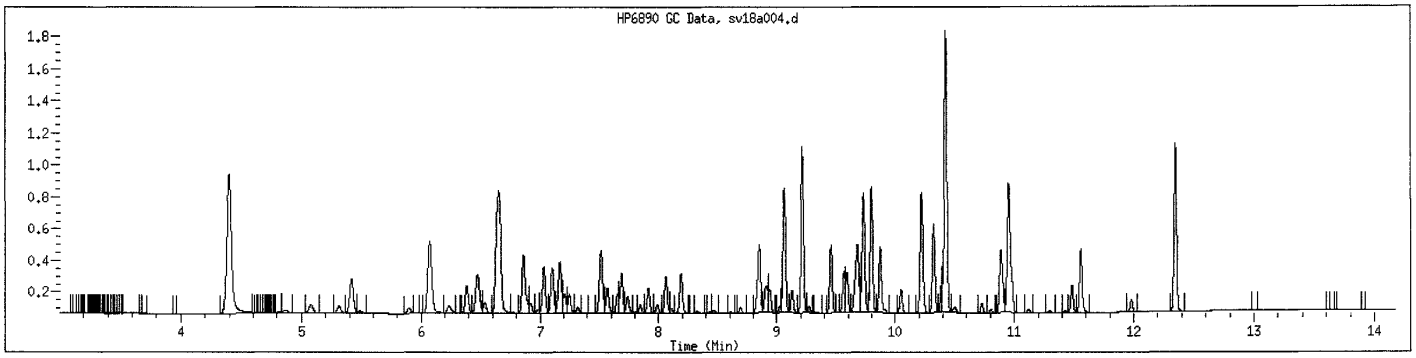
Data File: /var/chem/gcsv18a.i/2071231.b/sv18a004.d
Date : 31-DEC-2007 10:43
Client ID:
Sample Info: 1400x1 80-12-5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 12/31/2007 10:43	Instrument	: gcsv18a.i
Operator	: tls		
Sample Info	: 1400*1 80-12-5		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071231.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

169637

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a014.d
Report Date: 07-Jan-2008 14:00

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 31-DEC-2007 15:48
Lab File ID: sv18a014.d Init. Cal. Date(s): 13-DEC-2007 13-DEC-2007
Analysis Type: WATER Init. Cal. Times: 12:10 18:40
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2071231.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	1254015	1131837	0.010	9.74293	15.00000	Averaged
24 AR 1016-PEAK1	134993	122433	0.010	9.30414	15.00000	Averaged
25 AR 1016-PEAK2	309125	276510	0.010	10.55098	15.00000	Averaged
26 AR 1016-PEAK3	605843	543177	0.010	10.34360	15.00000	Averaged
27 AR 1016-PEAK4	204053	189717	0.010	7.02568	15.00000	Averaged
M 28 AR 1260-AVG	1669100	1536644	0.010	7.93578	15.00000	Averaged
29 AR 1260-PEAK1	208731	196944	0.010	5.64724	15.00000	Averaged
30 AR 1260-PEAK2	318517	301268	0.010	5.41550	15.00000	Averaged
31 AR 1260-PEAK3	405479	382976	0.010	5.54968	15.00000	Averaged
32 AR 1260-PEAK4	736372	655456	0.010	10.98853	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 8.25041
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

169638

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a014.d
Report Date: 07-Jan-2008 14:00

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071231.b/sv18a014.d
Lab Smp Id: 1400
Inj Date : 31-DEC-2007 15:48
Operator : smh Inst ID: gcsv18a.i
Smp Info : 1400*1 80-12-5
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Meth Date : 07-Jan-2008 14:00 tls Quant Type: ESTD
Cal Date : 13-DEC-2007 18:05 Cal File: sv18a023.d
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

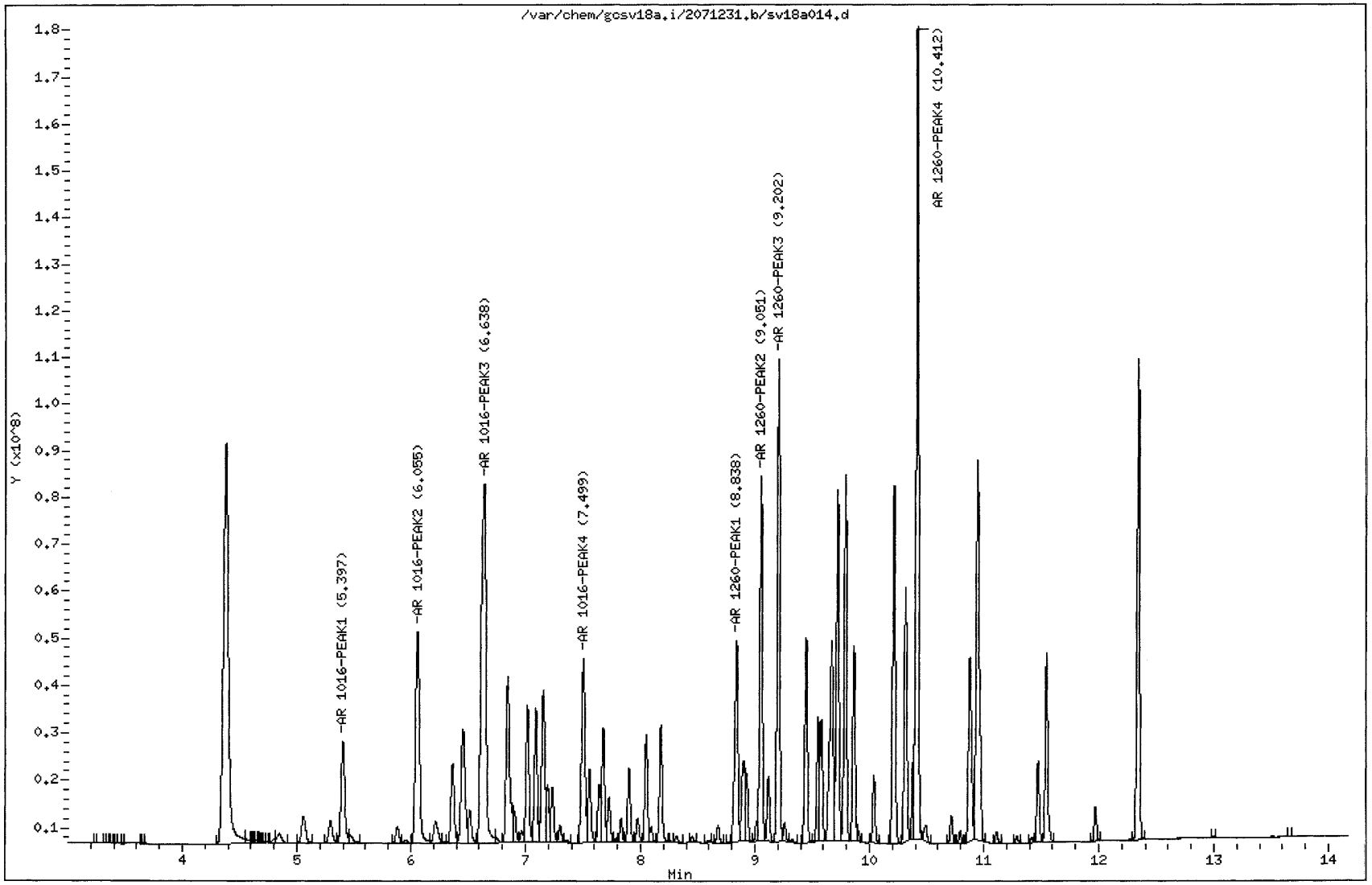
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				452734843	400.000	360
	24 AR 1016-PEAK1	5.397	5.400	-0.003	48973246	400.000	360
	25 AR 1016-PEAK2	6.055	6.056	-0.001	110603802	400.000	360
	26 AR 1016-PEAK3	6.638	6.640	-0.002	217270929	400.000	360
	27 AR 1016-PEAK4	7.499	7.500	-0.001	75886866	400.000	370
M	28 AR 1260-AVG				614657617	400.000	370
	29 AR 1260-PEAK1	8.838	8.840	-0.002	78777416	400.000	380
	30 AR 1260-PEAK2	9.051	9.051	0.000	120507248	400.000	380
	31 AR 1260-PEAK3	9.202	9.204	-0.002	153190598	400.000	380
	32 AR 1260-PEAK4	10.412	10.412	0.000	262182355	400.000	360

169639

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a014.d
Date : 31-DEC-2007 15:48
Client ID:
Sample Info: 1400x1 80-12-5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

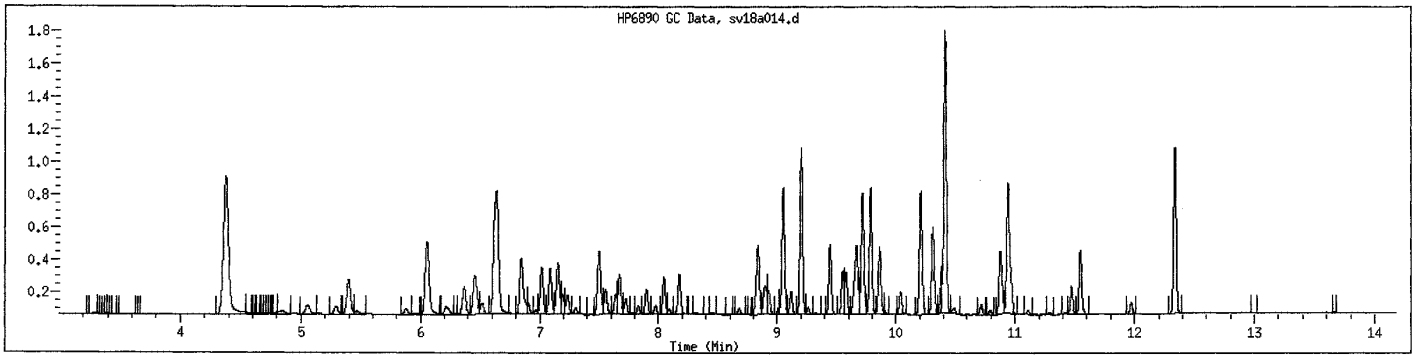
Instrument: gcsv18a.i

Operator: smh
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 12/31/2007 15:48	Instrument	: gcsv18a.i
Operator	: smh		
Sample Info	: 1400*1 80-12-5		
Misc Info	:		
Method	: /var/chem/gcsv18a.i/2071231.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

169641

Report Date : 08-Jan-2008 16:33

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:27
End Cal Date : 13-DEC-2007 18:58
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Cal Date : 31-Dec-2007 10:36 dlb
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv18b.i/2071213.b/sv18b021.d
Level 2: /var/chem/gcsv18b.i/2071213.b/sv18b022.d
Level 3: /var/chem/gcsv18b.i/2071213.b/sv18b023.d
Level 4: /var/chem/gcsv18b.i/2071213.b/sv18b024.d
Level 5: /var/chem/gcsv18b.i/2071213.b/sv18b025.d
Level 6: /var/chem/gcsv18b.i/2071213.b/sv18b020.d

		5.000	20.000	60.000	80.000	100.000	2.500	___	
	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	% RSD
	2 alpha-BHC	8820484	10518788	10030732	10091219	9804538	13362454	10438036	14.757
	3 gamma-BHC (Lindane)	8178124	9544053	9050892	9085429	8799319	+++++	8931564	5.593
	4 Heptachlor	6933260	8857105	8551884	8599212	8338279	+++++	8255948	9.231
	5 Aldrin	7433998	8686250	8094238	8099539	7768793	+++++	8016564	5.791
	6 beta-BHC	4210086	4553238	4225073	4241435	4081804	+++++	4262327	4.094
	7 delta-BHC	6692543	8336342	8101601	8176798	7923920	+++++	7846241	8.434
	8 Heptachlor epoxide	7090897	7927154	7261378	7207870	6906111	+++++	7278682	5.321
	9 Endosulfan I	5856093	7395818	6946778	6892471	6685964	+++++	6755425	8.371
	10 gamma-Chlordane	6211301	7529055	7218528	7235655	7016474	+++++	7042203	7.088
	11 alpha-Chlordane	5430876	7074309	6799956	6848119	6553133	+++++	6541279	9.903
	12 4,4'-DDE	6968539	7759334	7183106	7185321	6910490	+++++	7201358	4.661
	13 Dieldrin	7077291	7878017	7190587	7181937	6915887	+++++	7248744	5.088
	14 Endrin	5860142	6500059	5960473	5964196	5773973	+++++	6011769	4.726
	15 4,4'-DDD	5983240	6415844	5964948	5973736	5780639	+++++	6023682	3.897
	16 Endosulfan II	6221086	6701653	6105744	6086453	5851398	+++++	6193267	5.075
	17 4,4'-DDT	5720520	6711793	6417419	6458688	6271954	+++++	6316075	5.838
	18 Endrin aldehyde	5112321	5534681	5032357	5013169	4816540	+++++	5101814	5.200
	19 Methoxychlor	2678465	2816672	2674543	2761462	2715956	+++++	2729419	2.200
	20 Endosulfan sulfate	5356136	5912894	5507201	5501770	5311492	+++++	5517898	4.300
	21 Endrin ketone	6685196	7256264	6693118	6711467	6526463	+++++	6774502	4.124
M	23 AR 1016-AVG	662944	671395	633187	628328	576560	677553	641661	5.878

169642

Report Date : 08-Jan-2008 16:33

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:27
End Cal Date : 13-DEC-2007 18:58
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Cal Date : 31-Dec-2007 10:36 dlb
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	24 AR 1016-PEAK1	153474	163847	133695	139912	121850	166398	146529	12.056
	25 AR 1016-PEAK2	199218	188206	178065	170140	155152	191838	180437	8.916
	26 AR 1016-PEAK3	146957	154853	160023	159598	150870	155082	154564	3.261
	27 AR 1016-PEAK4	163295	164488	161403	158678	148687	164235	160131	3.753
M	28 AR 1260-AVG	2109808	1857624	1886154	1854983	1753227	2213445	1945873	9.054
	29 AR 1260-PEAK1	237248	235601	231964	229911	216750	252846	234053	5.007
	30 AR 1260-PEAK2	419042	381136	355528	340918	320108	446865	377266	12.803
	31 AR 1260-PEAK3	601090	439443	523506	520980	484812	618080	531319	12.812
	32 AR 1260-PEAK4	852428	801443	775156	763174	731556	895653	803235	7.572
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	191854	+++++	+++++	+++++	191854	0.000
	38 AR 1221-PEAK1	+++++	+++++	23936	+++++	+++++	+++++	23936	0.000
	39 AR 1221-PEAK2	+++++	+++++	33636	+++++	+++++	+++++	33636	0.000
	40 AR 1221-PEAK3	+++++	+++++	84525	+++++	+++++	+++++	84525	0.000
	41 AR 1221-PEAK4	+++++	+++++	49757	+++++	+++++	+++++	49757	0.000
M	42 AR 1232-AVG	+++++	+++++	389652	+++++	+++++	+++++	389652	0.000
	43 AR 1232-PEAK1	+++++	+++++	149965	+++++	+++++	+++++	149965	0.000
	44 AR 1232-PEAK2	+++++	+++++	108257	+++++	+++++	+++++	108257	0.000
	45 AR 1232-PEAK3	+++++	+++++	70169	+++++	+++++	+++++	70169	0.000
	46 AR 1232-PEAK4	+++++	+++++	61260	+++++	+++++	+++++	61260	0.000
M	47 AR 1242-AVG	+++++	+++++	662120	+++++	+++++	+++++	662120	0.000
	48 AR 1242-PEAK1	+++++	+++++	136898	+++++	+++++	+++++	136898	0.000
	49 AR 1242-PEAK2	+++++	+++++	259492	+++++	+++++	+++++	259492	0.000
	50 AR 1242-PEAK3	+++++	+++++	124446	+++++	+++++	+++++	124446	0.000
	51 AR 1242-PEAK4	+++++	+++++	141285	+++++	+++++	+++++	141285	0.000
M	52 AR 1248-AVG	+++++	+++++	835409	+++++	+++++	+++++	835409	0.000

169643

Report Date : 08-Jan-2008 16:33

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:27
End Cal Date : 13-DEC-2007 18:58
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Cal Date : 31-Dec-2007 10:36 dlb
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	53 AR 1248-PEAK1	+++++	+++++	194062	+++++	+++++	+++++	194062	0.000
	54 AR 1248-PEAK2	+++++	+++++	181898	+++++	+++++	+++++	181898	0.000
	55 AR 1248-PEAK3	+++++	+++++	212475	+++++	+++++	+++++	212475	0.000
	56 AR 1248-PEAK4	+++++	+++++	246975	+++++	+++++	+++++	246975	0.000
M	57 AR 1254-AVG	+++++	+++++	903916	+++++	+++++	+++++	903916	0.000
	58 AR 1254-PEAK1	+++++	+++++	123081	+++++	+++++	+++++	123081	0.000
	59 AR 1254-PEAK2	+++++	+++++	108977	+++++	+++++	+++++	108977	0.000
	60 AR 1254-PEAK3	+++++	+++++	259566	+++++	+++++	+++++	259566	0.000
	61 AR 1254-PEAK4	+++++	+++++	412292	+++++	+++++	+++++	412292	0.000
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	1067525	+++++	1067525	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	282153	+++++	282153	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	247062	+++++	247062	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	264701	+++++	264701	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	273609	+++++	273609	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	2279598	+++++	2279598	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	301650	+++++	301650	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	361306	+++++	361306	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	933573	+++++	933573	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	683069	+++++	683069	0.000
	73 CHLORDANE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	74 AR 1268-AVG	+++++	+++++	4383946	+++++	+++++	+++++	4383946	0.000
	75 AR 1268-PEAK1	+++++	+++++	935468	+++++	+++++	+++++	935468	0.000
	76 AR 1268-PEAK2	+++++	+++++	830984	+++++	+++++	+++++	830984	0.000
	77 AR 1268-PEAK3	+++++	+++++	664982	+++++	+++++	+++++	664982	0.000
	78 AR 1268 PEAK4	+++++	+++++	1952511	+++++	+++++	+++++	1952511	0.000
M	79 AR 1262-AVG	+++++	+++++	1979238	+++++	+++++	+++++	1979238	0.000
	80 AR 1262-PEAK1	+++++	+++++	365444	+++++	+++++	+++++	365444	0.000
	81 AR 1262-PEAK2	+++++	+++++	454615	+++++	+++++	+++++	454615	0.000

169644

Report Date : 08-Jan-2008 16:33

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:27
End Cal Date : 13-DEC-2007 18:58
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Cal Date : 31-Dec-2007 10:36 dlb
Curve Type : Average

Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	RRF	% RSD
82 AR 1262-PEAK3	+++++	+++++	818292	+++++	+++++	+++++	818292	0.000
83 AR 1262-PEAK4	+++++	+++++	340888	+++++	+++++	+++++	340888	0.000
84 Diallate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
85 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
86 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
175 kepone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
177 Mirix	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 1 Tetrachloro-m-xylene	7411741	8354225	7745667	7712632	7486395	+++++	7742132	4.790
$ 22 Decachlorobiphenyl	5738333	6149972	5730537	5762821	5582501	+++++	5792833	3.657

169645

Report Date : 08-Jan-2008 16:33

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 12:27
End Cal Date : 13-DEC-2007 18:58
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Cal Date : 31-Dec-2007 10:36 dlb
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 6.66403
Maximun Average %RSD = 15.00000
* Passed Average %RSD Test.

169646

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b013.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b013.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 15:25
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1203*1 80-6-4
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 15:25 Cal File: sv18b013.d
Als bottle: 13 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1221.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

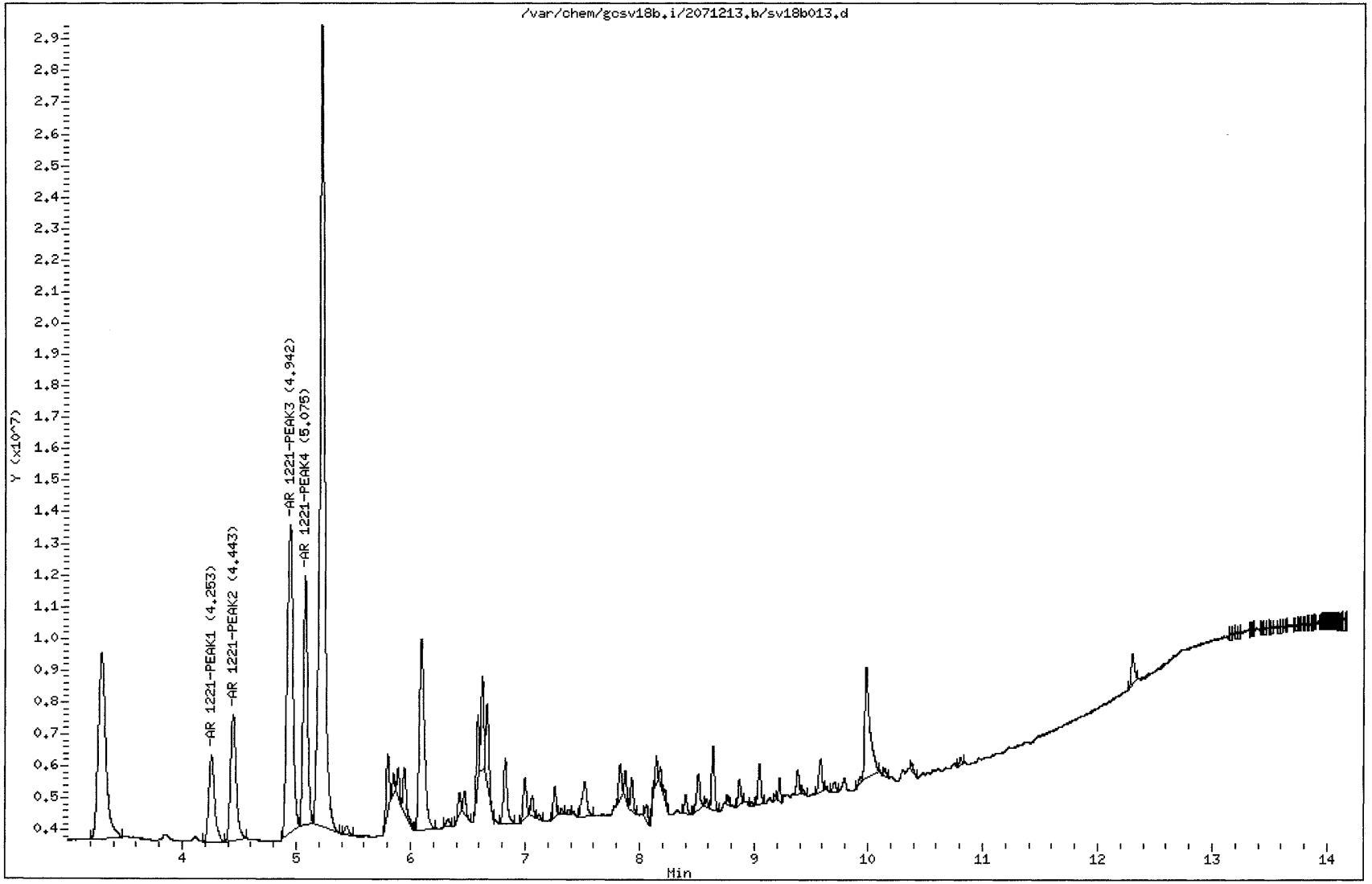
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 37 AR 1221-AVG				76741430	400.000	400
38 AR 1221-PEAK1	4.253	4.253	0.000	9574564	400.000	400
39 AR 1221-PEAK2	4.443	4.443	0.000	13454236	400.000	400
40 AR 1221-PEAK3	4.942	4.942	0.000	33809846	400.000	400
41 AR 1221-PEAK4	5.075	5.075	0.000	19902784	400.000	400

169647

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b013.d
Date : 13-DEC-2007 15:25
Client ID:
Sample Info: 1203x1 80-6-4
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

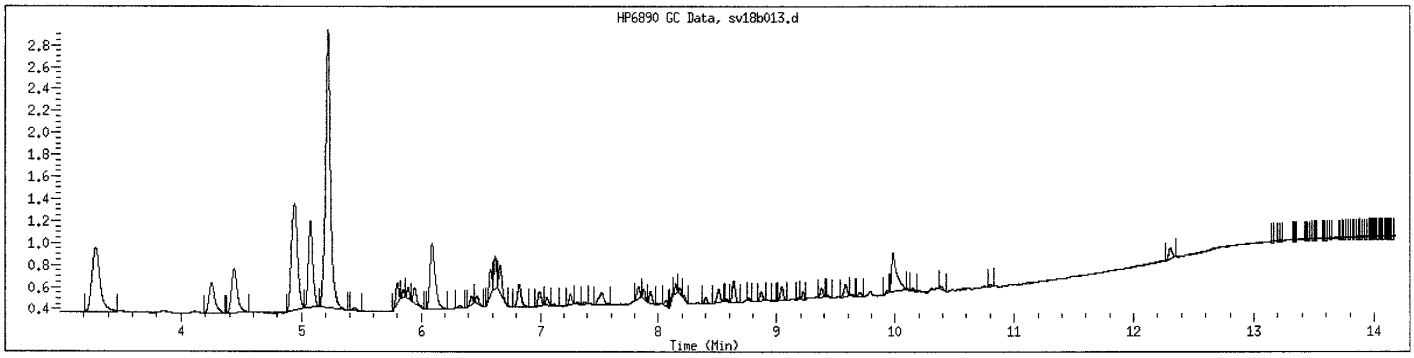
Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv18b.i/2071213.b/sv18b013.d Page: 1
Report Date: 12/14/2007 10:15

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 15:25	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1203*1 80-6-4		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1221



NO MANUAL INTEGRATIONS

169649

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b014.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b014.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 15:43
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1203*1 80-6-5
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 15:43 Cal File: sv18b014.d
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1232.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

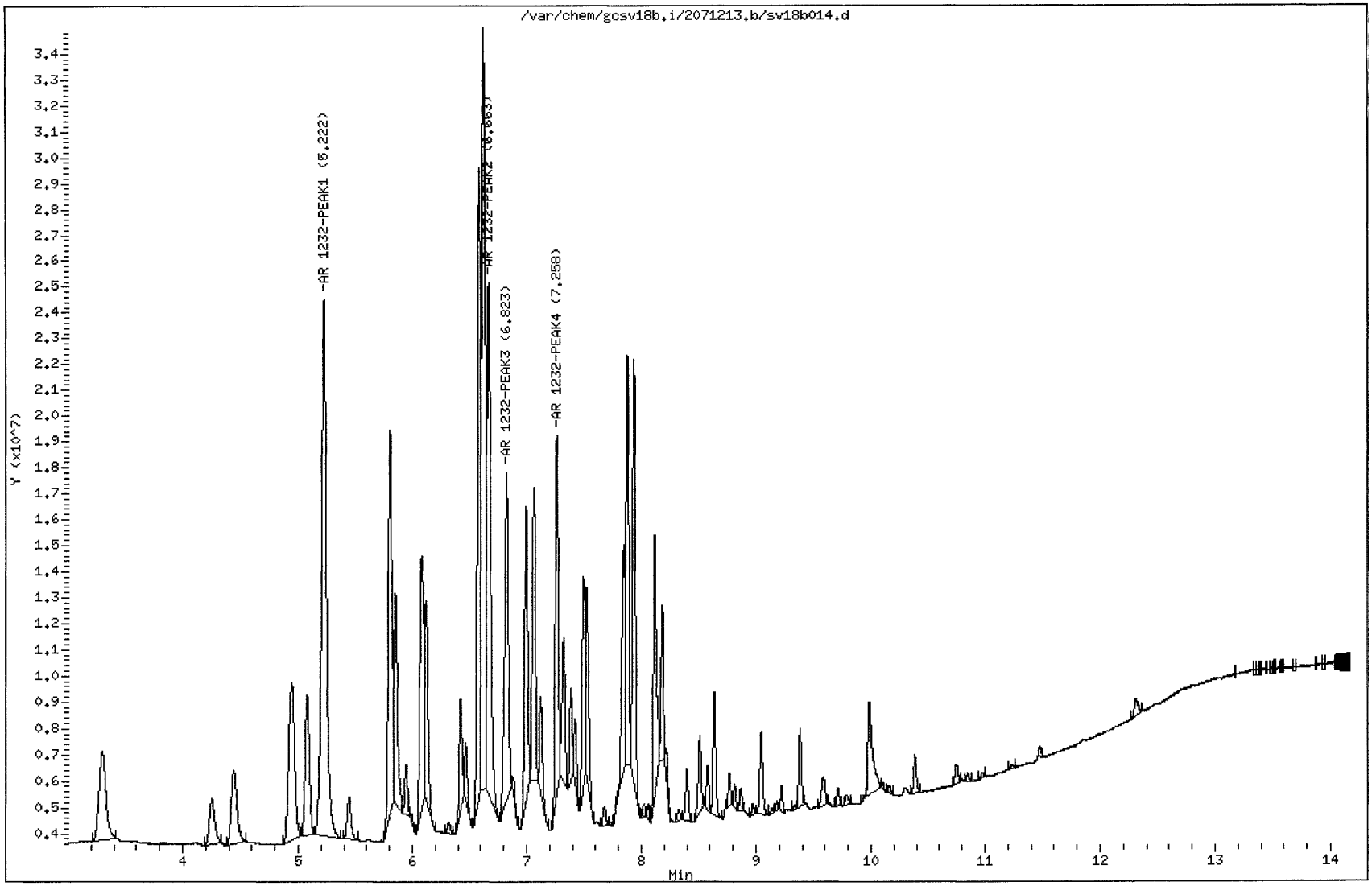
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 42 AR 1232-AVG				155860957	400.000	400
43 AR 1232-PEAK1	5.222	5.222	0.000	59986148	400.000	400
44 AR 1232-PEAK2	6.663	6.663	0.000	43302945	400.000	400
45 AR 1232-PEAK3	6.823	6.823	0.000	28067767	400.000	400
46 AR 1232-PEAK4	7.258	7.258	0.000	24504097	400.000	400

169650

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b014.d
Date : 13-DEC-2007 15:43
Client ID:
Sample Info: 1203x1 80-6-5
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

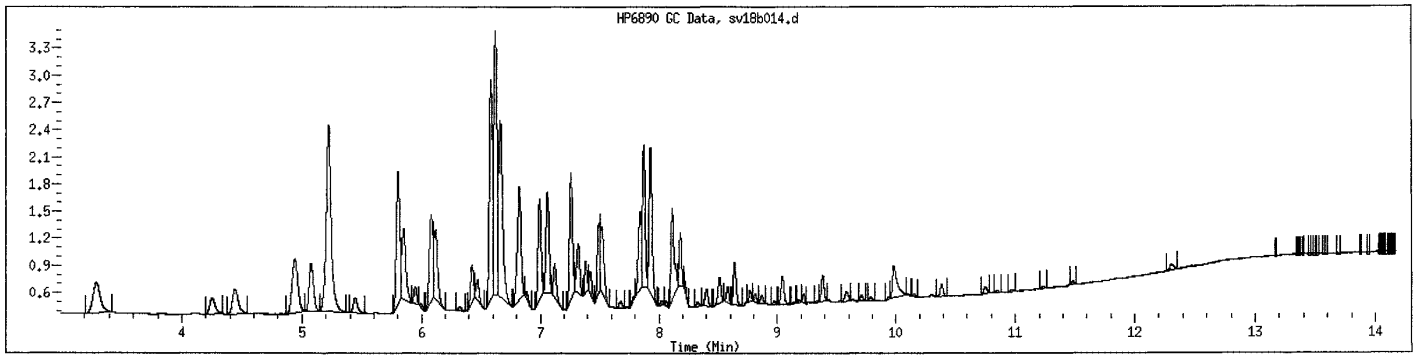
Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv18b.i/2071213.b/sv18b014.d Page: 1
Report Date: 12/14/2007 10:15

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 15:43	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1203*1 80-6-5		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1232



NO MANUAL INTEGRATIONS

1151

169652

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b015.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b015.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 16:00
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1203*1 80-6-6
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 16:00 Cal File: sv18b015.d
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1242.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

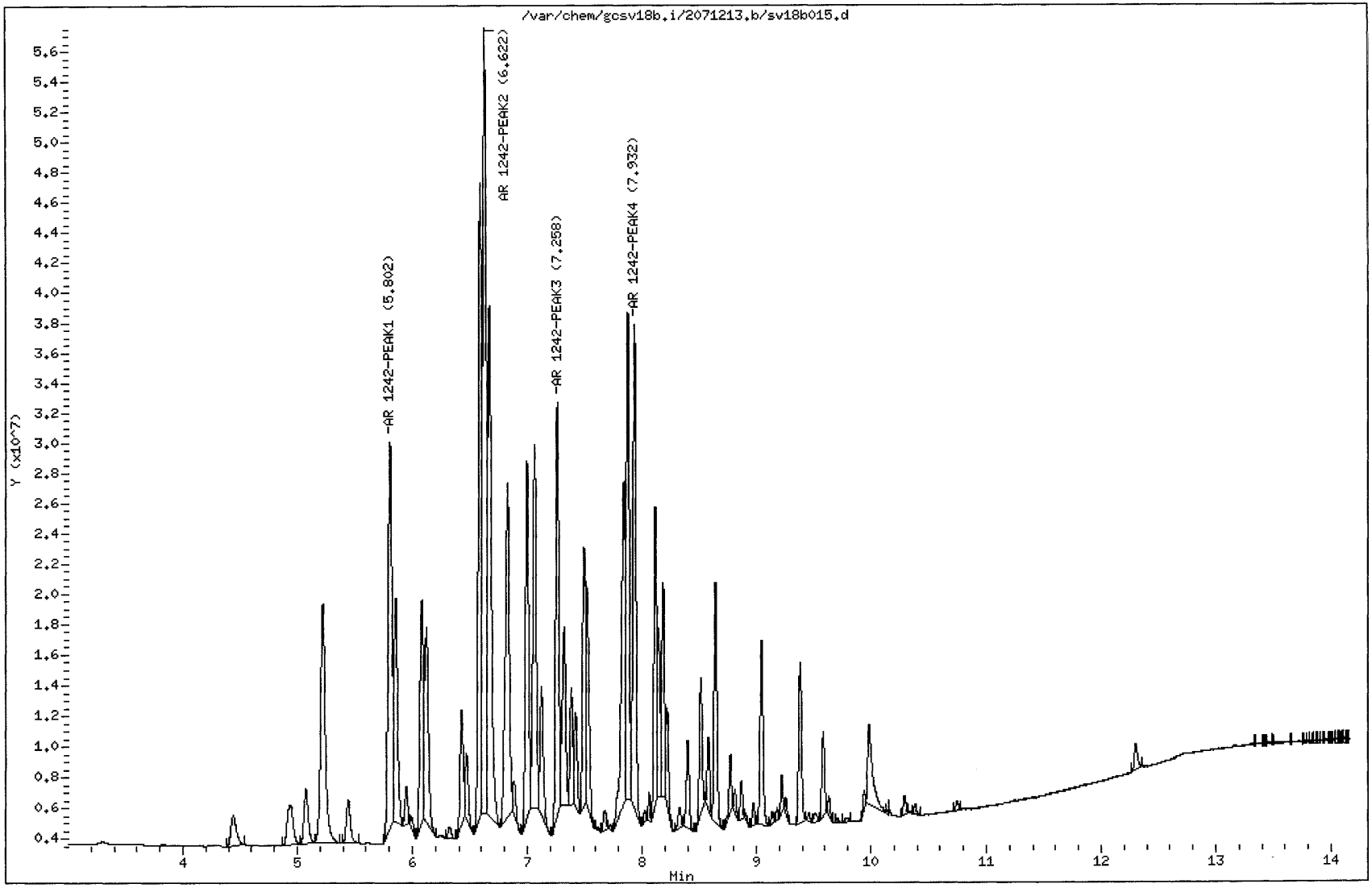
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	47 AR 1242-AVG				264848100	400.000	400
	48 AR 1242-PEAK1	5.802	5.802	0.000	54759248	400.000	400
	49 AR 1242-PEAK2	6.622	6.622	0.000	103796622	400.000	400
	50 AR 1242-PEAK3	7.258	7.258	0.000	49778428	400.000	400
	51 AR 1242-PEAK4	7.932	7.932	0.000	56513802	400.000	400

169653

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b015.d
Date : 13-DEC-2007 16:00
Client ID:
Sample Info: 1203x1 80-6-6
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i

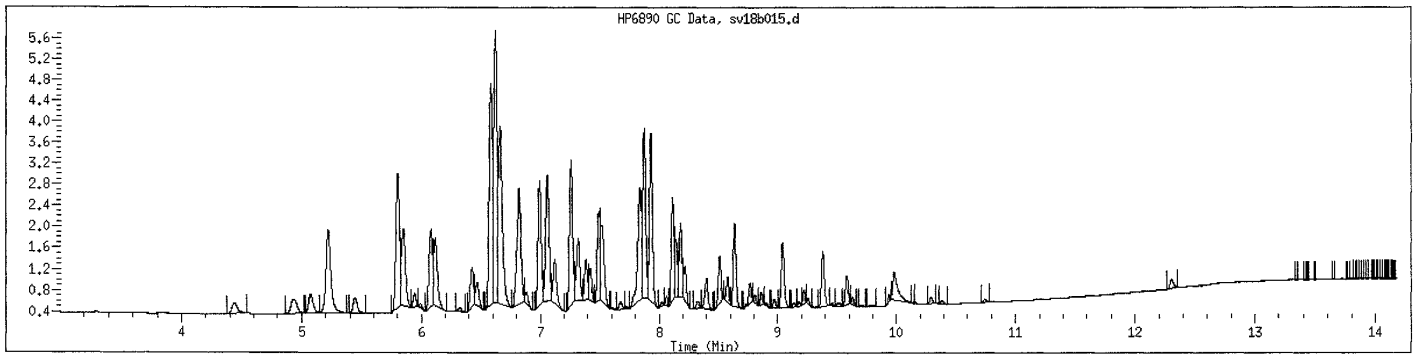
Operator: tls
Column diameter: 0.32



Report Date: 12/14/2007 10:15

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 16:00	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1203*1 80-6-6		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1242



NO MANUAL INTEGRATIONS

169655

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b016.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b016.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 16:18
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1203*1 80-6-7
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 16:18 Cal File: sv18b016.d
Als bottle: 16 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1248.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

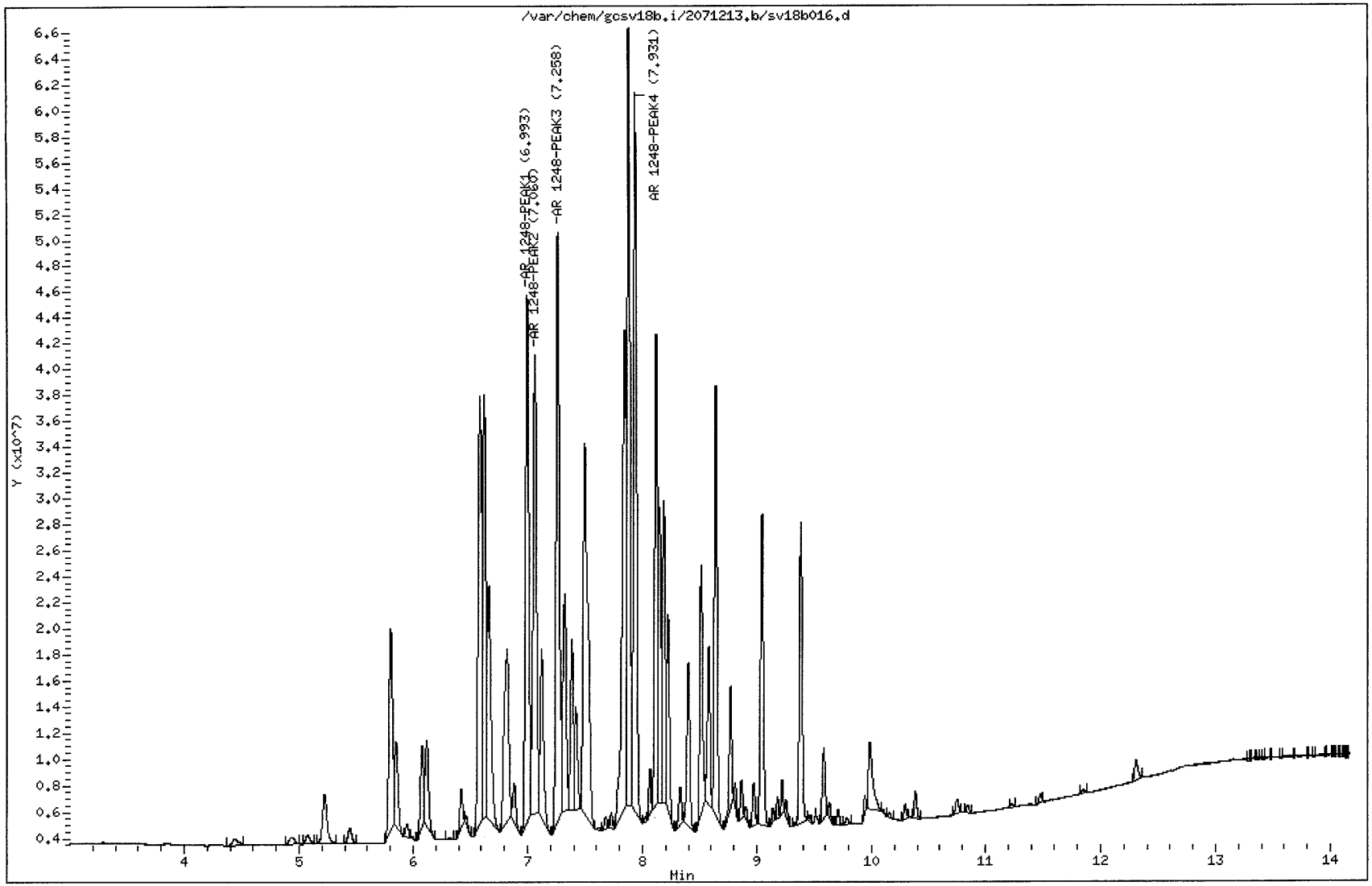
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 52 AR 1248-AVG				334163616	400.000	400
53 AR 1248-PEAK1	6.993	6.993	0.000	77624603	400.000	400
54 AR 1248-PEAK2	7.060	7.060	0.000	72759206	400.000	400
55 AR 1248-PEAK3	7.258	7.258	0.000	84989905	400.000	400
56 AR 1248-PEAK4	7.931	7.931	0.000	98789902	400.000	400

169656

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b016.d
Date : 13-DEC-2007 16:18
Client ID:
Sample Info: 1203x1 80-6-7
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i

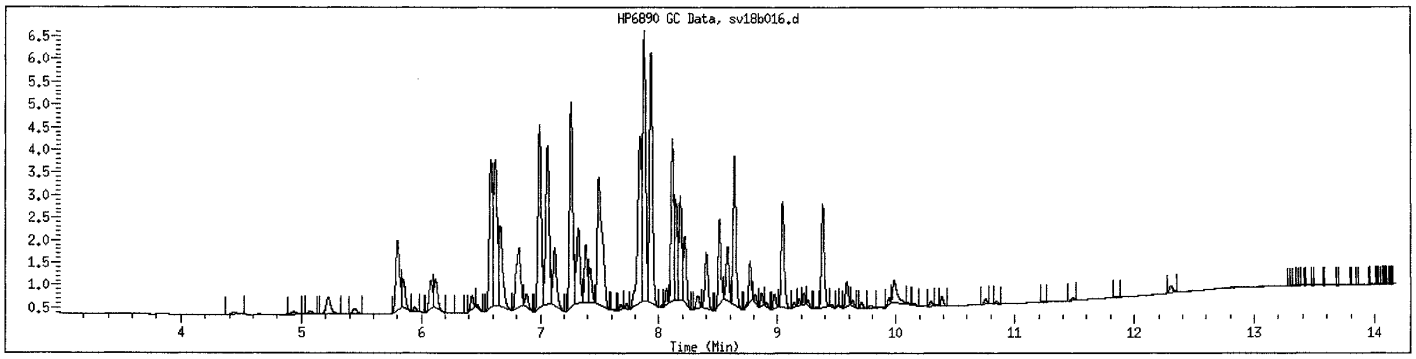
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv18b.i/2071213.b/sv18b016.d Page: 1
Report Date: 12/14/2007 10:15

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 16:18	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1203*1 80-6-7		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1248



NO MANUAL INTEGRATIONS

169658

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b017.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b017.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 16:36
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1203*1 80-6-8
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 16:36 Cal File: sv18b017.d
Als bottle: 17 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1254.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

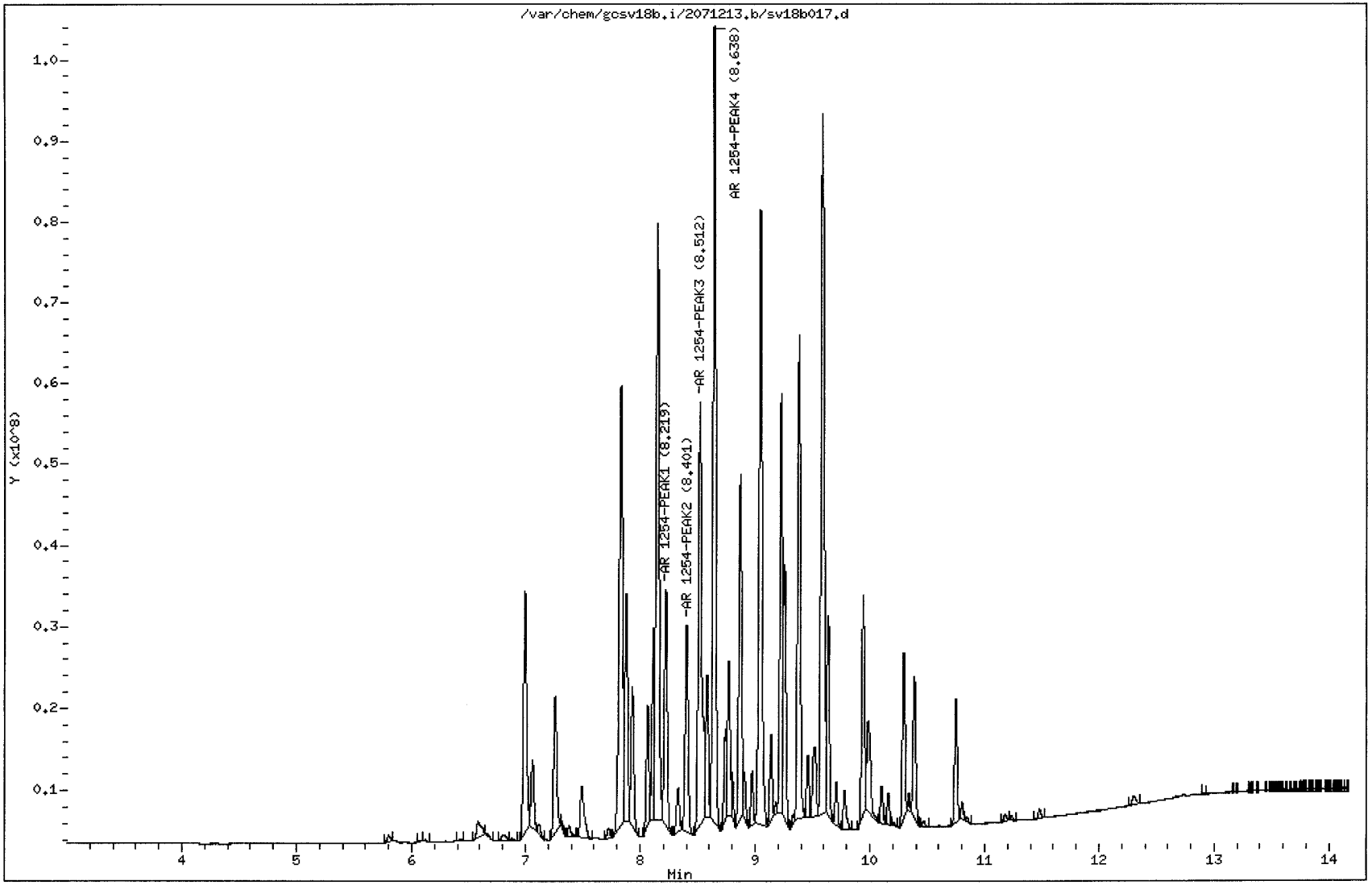
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 57 AR 1254-AVG				361566543	400.000	400
58 AR 1254-PEAK1	8.219	8.219	0.000	49232294	400.000	400
59 AR 1254-PEAK2	8.401	8.401	0.000	43590985	400.000	400
60 AR 1254-PEAK3	8.512	8.512	0.000	103826472	400.000	400
61 AR 1254-PEAK4	8.638	8.638	0.000	164916792	400.000	400

169659

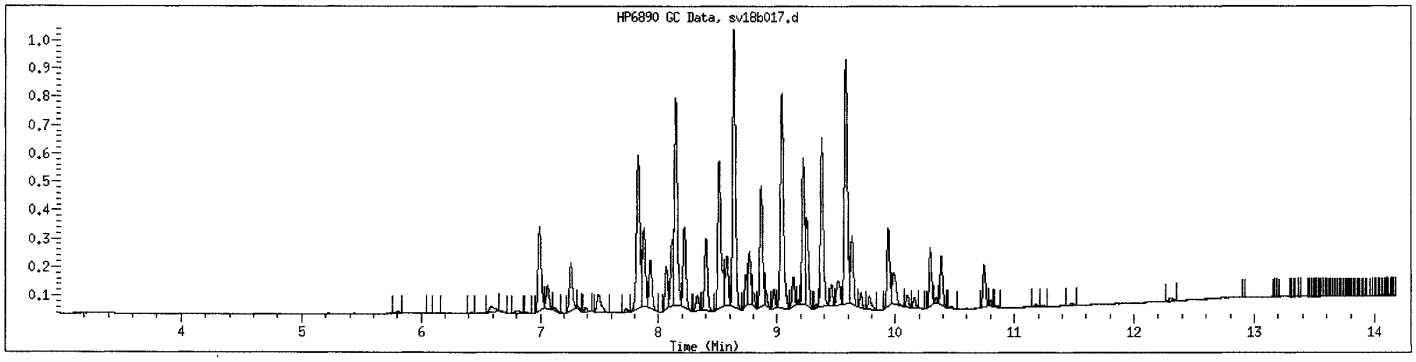
Data File: /var/chem/gcsv18b.i/2071213.b/sv18b017.d
Date : 13-DEC-2007 16:36
Client ID:
Sample Info: 1203x1 80-6-8
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 16:36	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1203*1 80-6-8		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1254



NO MANUAL INTEGRATIONS

169661

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b018.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b018.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 16:54
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1203*1 80-7-4
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 16:54 Cal File: sv18b018.d
Als bottle: 18 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1262.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

						AMOUNTS	
						CAL-AMT	ON-COL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/L)
M	79 AR 1262-AVG				791695315	400.000	400(A)
	80 AR 1262-PEAK1	9.224	9.224	0.000	146177580	400.000	400(A)
	81 AR 1262-PEAK2	9.711	9.711	0.000	181845828	400.000	400(A)
	82 AR 1262-PEAK3	10.386	10.386	0.000	327316835	400.000	400(A)
	83 AR 1262-PEAK4	10.848	10.848	0.000	136355072	400.000	400(A)

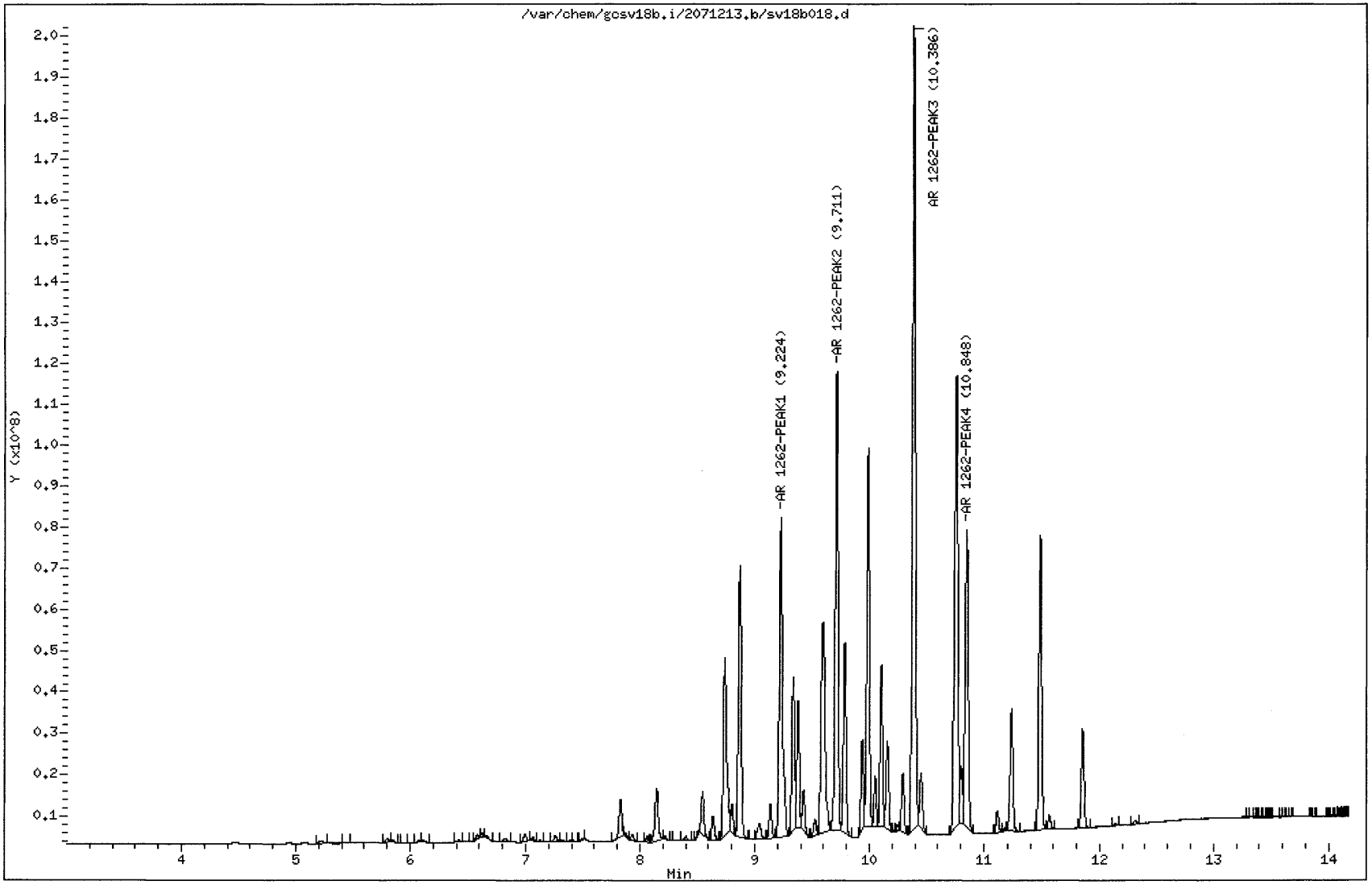
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

169662

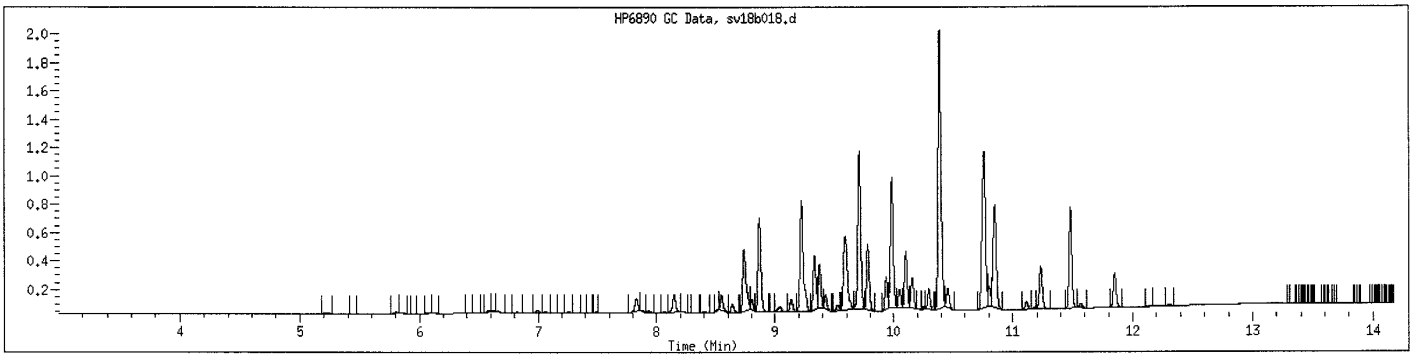
Data File: /var/chem/gcsv18b.i/2071213.b/sv18b018.d
Date : 13-DEC-2007 16:54
Client ID:
Sample Info: 1203x1 80-7-4
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 16:54	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1203*1 80-7-4		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: ar1262



NO MANUAL INTEGRATIONS

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b019.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b019.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 17:11
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1203*1 80-7-5
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 17:11 Cal File: sv18b019.d
Als bottle: 19 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1268.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

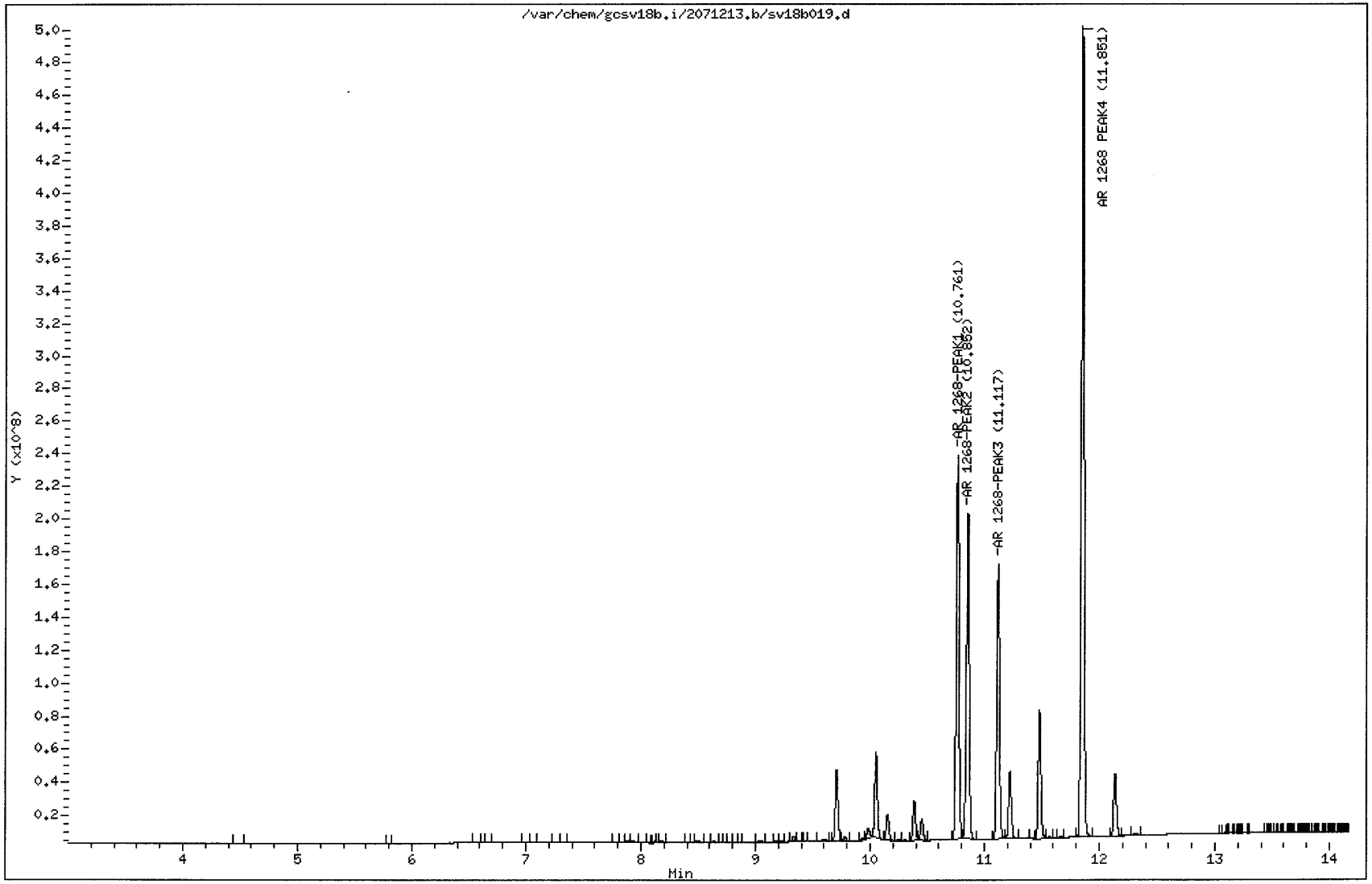
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	74 AR 1268-AVG				1753578378	400.000	400
	75 AR 1268-PEAK1	10.761	10.761	0.000	374187339	400.000	400
	76 AR 1268-PEAK2	10.852	10.852	0.000	332393522	400.000	400
	77 AR 1268-PEAK3	11.117	11.117	0.000	265992972	400.000	400
	78 AR 1268 PEAK4	11.851	11.851	0.000	781004545	400.000	400

169665

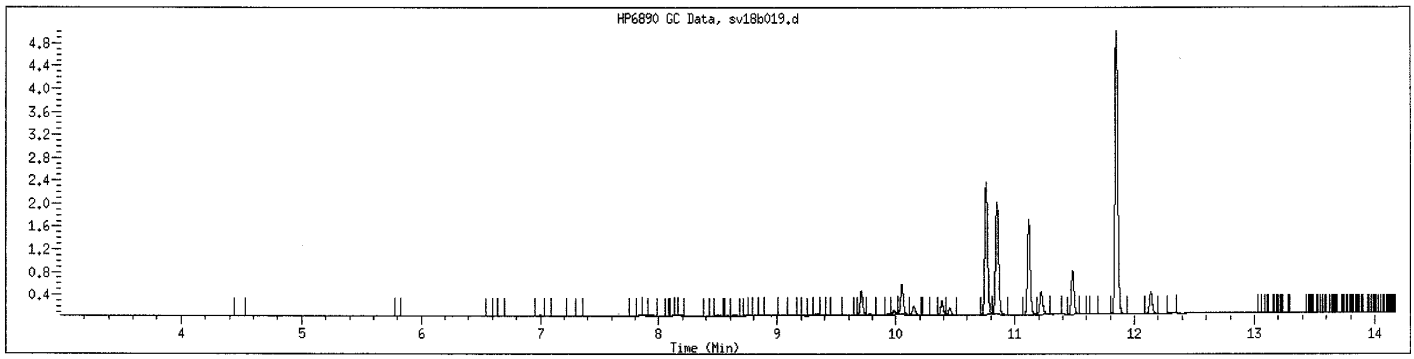
Data File: /var/chem/gcsv18b.i/2071213.b/sv18b019.d
Date : 13-DEC-2007 17:11
Client ID:
Instrument: gcsv18b.i
Sample Info: 1203x1 80-7-5
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-XLB-30M
Column diameter: 0.32



169666

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 17:11	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1203*1 80-7-5		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: ar1268



NO MANUAL INTEGRATIONS

169667

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b020.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b020.d
Lab Smp Id: 1206
Inj Date : 13-DEC-2007 17:29
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1206*1 50
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 17:29 Cal File: sv18b020.d
Als bottle: 20 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

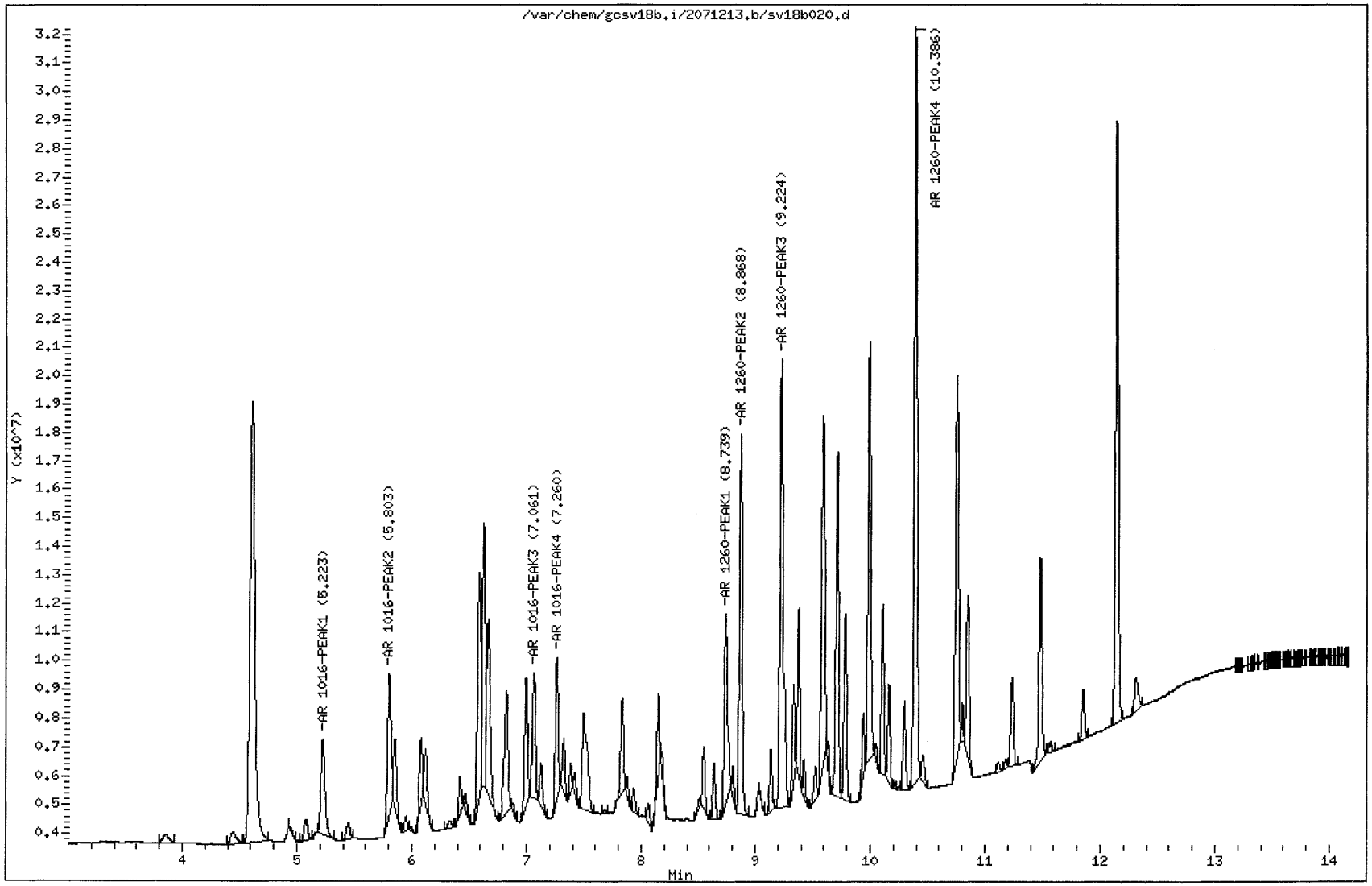
Cpnd Variable Local Compound Variable

						AMOUNTS	
						CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(UG/L)	(UG/L)
M 23 AR 1016-AVG				33877659		50.0000	50
24 AR 1016-PEAK1	5.223	5.222	0.001	8319896		50.0000	50
25 AR 1016-PEAK2	5.803	5.802	0.001	9591921		50.0000	50
26 AR 1016-PEAK3	7.061	7.061	0.000	7754083		50.0000	50
27 AR 1016-PEAK4	7.260	7.260	0.000	8211759		50.0000	50
M 28 AR 1260-AVG				110672230		50.0000	50
29 AR 1260-PEAK1	8.739	8.739	0.000	12642310		50.0000	50
30 AR 1260-PEAK2	8.868	8.869	-0.001	22343241		50.0000	50
31 AR 1260-PEAK3	9.224	9.222	0.002	30904015		50.0000	50
32 AR 1260-PEAK4	10.386	10.388	-0.002	44782664		50.0000	50

169668

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b020.d
Date : 13-DEC-2007 17:29
Client ID:
Sample Info: 1206*1 50
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

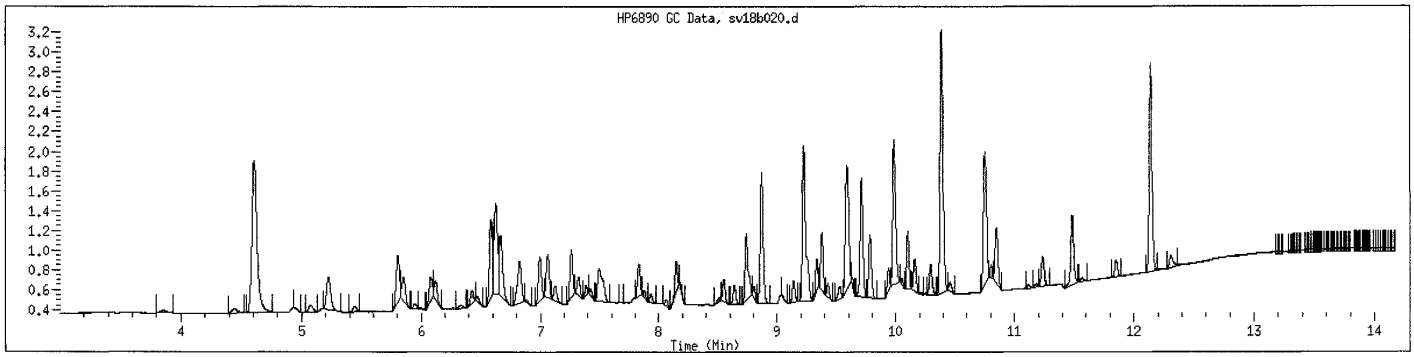
Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv18b.i/2071213.b/sv18b020.d Page: 1
Report Date: 12/14/2007 10:15

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1206	SampleType	: CALIB_6
Injection Date	: 12/13/2007 17:29	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1206*1 50		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

169670

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b021.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b021.d
Lab Smp Id: 1201
Inj Date : 13-DEC-2007 17:47
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1201*1 100
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 17:47 Cal File: sv18b021.d
Als bottle: 21 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

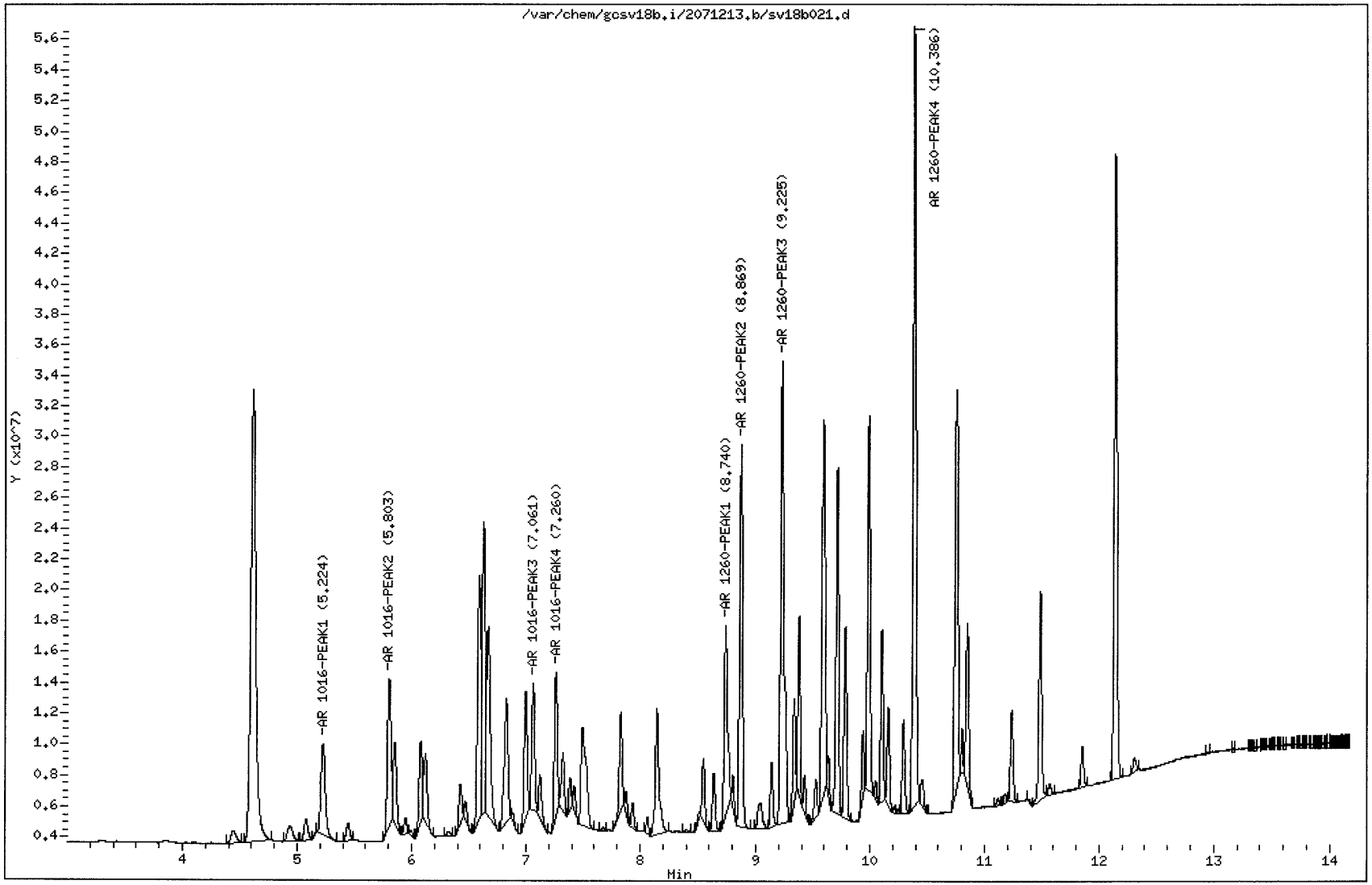
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				66294424	100.000	99
	24 AR 1016-PEAK1	5.224	5.222	0.002	15347443	100.000	96
	25 AR 1016-PEAK2	5.803	5.801	0.002	19921809	100.000	100
	26 AR 1016-PEAK3	7.061	7.061	0.000	14695700	100.000	97
	27 AR 1016-PEAK4	7.260	7.260	0.000	16329472	100.000	100
M	28 AR 1260-AVG				210980793	100.000	98
	29 AR 1260-PEAK1	8.740	8.740	0.000	23724763	100.000	97
	30 AR 1260-PEAK2	8.869	8.869	0.000	41904179	100.000	97
	31 AR 1260-PEAK3	9.225	9.222	0.003	60109050	100.000	99
	32 AR 1260-PEAK4	10.386	10.388	-0.002	85242801	100.000	98

169671

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b021.d
Date : 13-DEC-2007 17:47
Client ID:
Instrument: gcsv18b.i
Sample Info: 1201x1 100
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-XLB-30M
Column diameter: 0.32

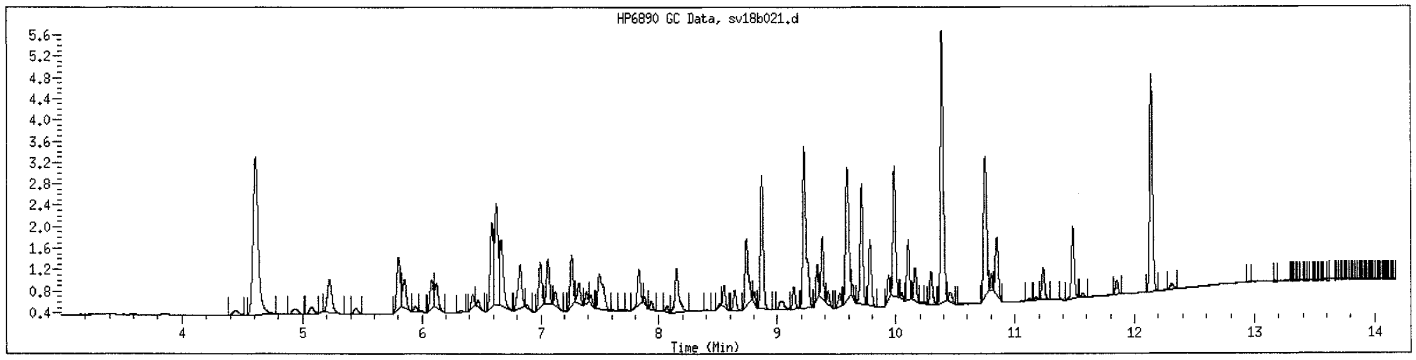


169672

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b021.d Page: 1
Report Date: 12/14/2007 10:15

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1201	SampleType	: CALIB_1
Injection Date	: 12/13/2007 17:47	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1201*1 100		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

169673

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b022.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b022.d
Lab Smp Id: 1202
Inj Date : 13-DEC-2007 18:05
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1202*1 200
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:05 Cal File: sv18b022.d
Als bottle: 22 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

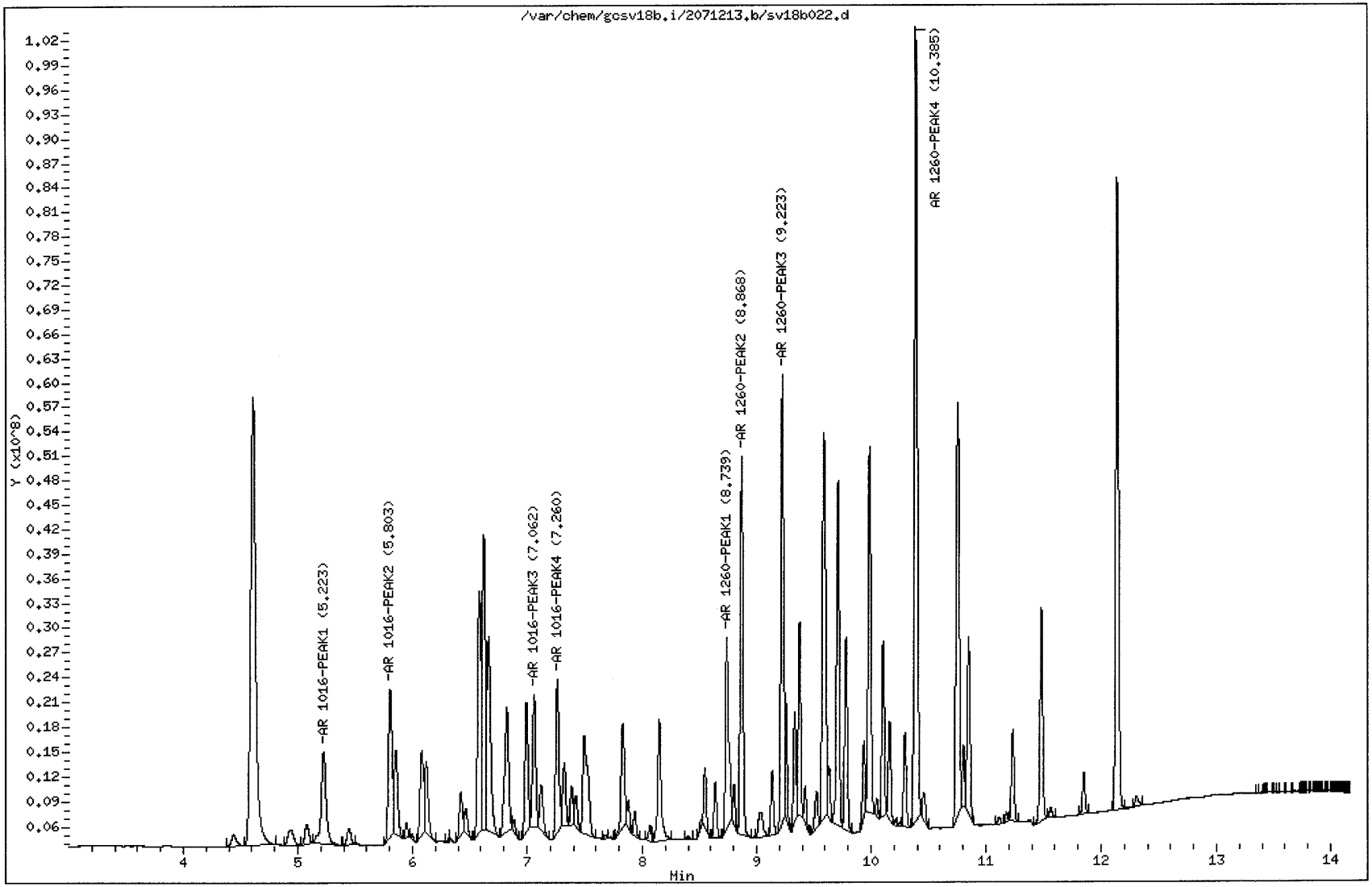
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				134278961	200.000	200
	24 AR 1016-PEAK1	5.223	5.222	0.001	32769321	200.000	200
	25 AR 1016-PEAK2	5.803	5.802	0.001	37641265	200.000	190
	26 AR 1016-PEAK3	7.062	7.061	0.001	30970684	200.000	200
	27 AR 1016-PEAK4	7.260	7.260	0.000	32897691	200.000	200
M	28 AR 1260-AVG				371524710	200.000	180
	29 AR 1260-PEAK1	8.739	8.740	-0.001	47120214	200.000	190
	30 AR 1260-PEAK2	8.868	8.869	-0.001	76227281	200.000	180
	31 AR 1260-PEAK3	9.223	9.222	0.001	87888625	200.000	160
	32 AR 1260-PEAK4	10.385	10.388	-0.003	160288590	200.000	190

169674

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b022.d
Date : 13-DEC-2007 18:05
Client ID:
Sample Info: 1202x1 200
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i

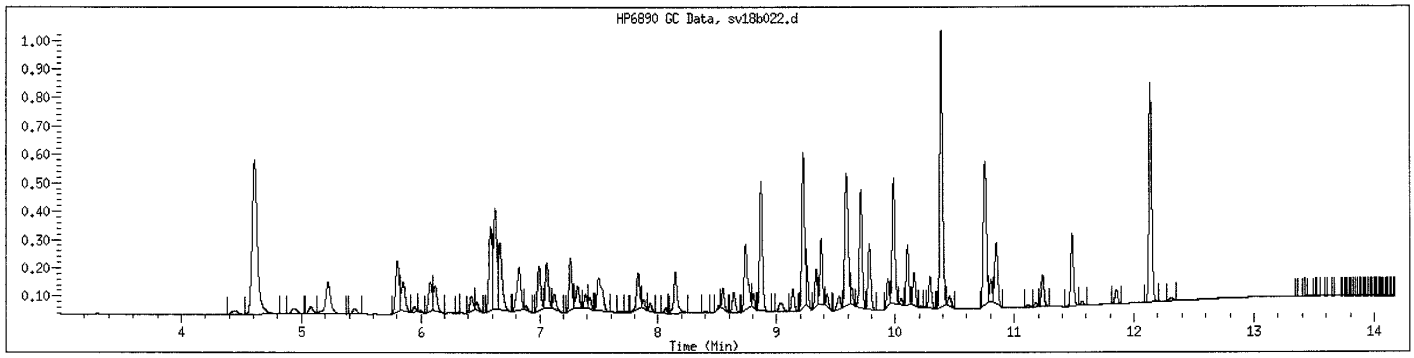
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv18b.i/2071213.b/sv18b022.d Page: 1
Report Date: 12/14/2007 10:15

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1202	SampleType	: CALIB_2
Injection Date	: 12/13/2007 18:05	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1202*1 200		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

169676

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b023.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b023.d
Lab Smp Id: 1203
Inj Date : 13-DEC-2007 18:22
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1203*1 400
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:22 Cal File: sv18b023.d
Als bottle: 23 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

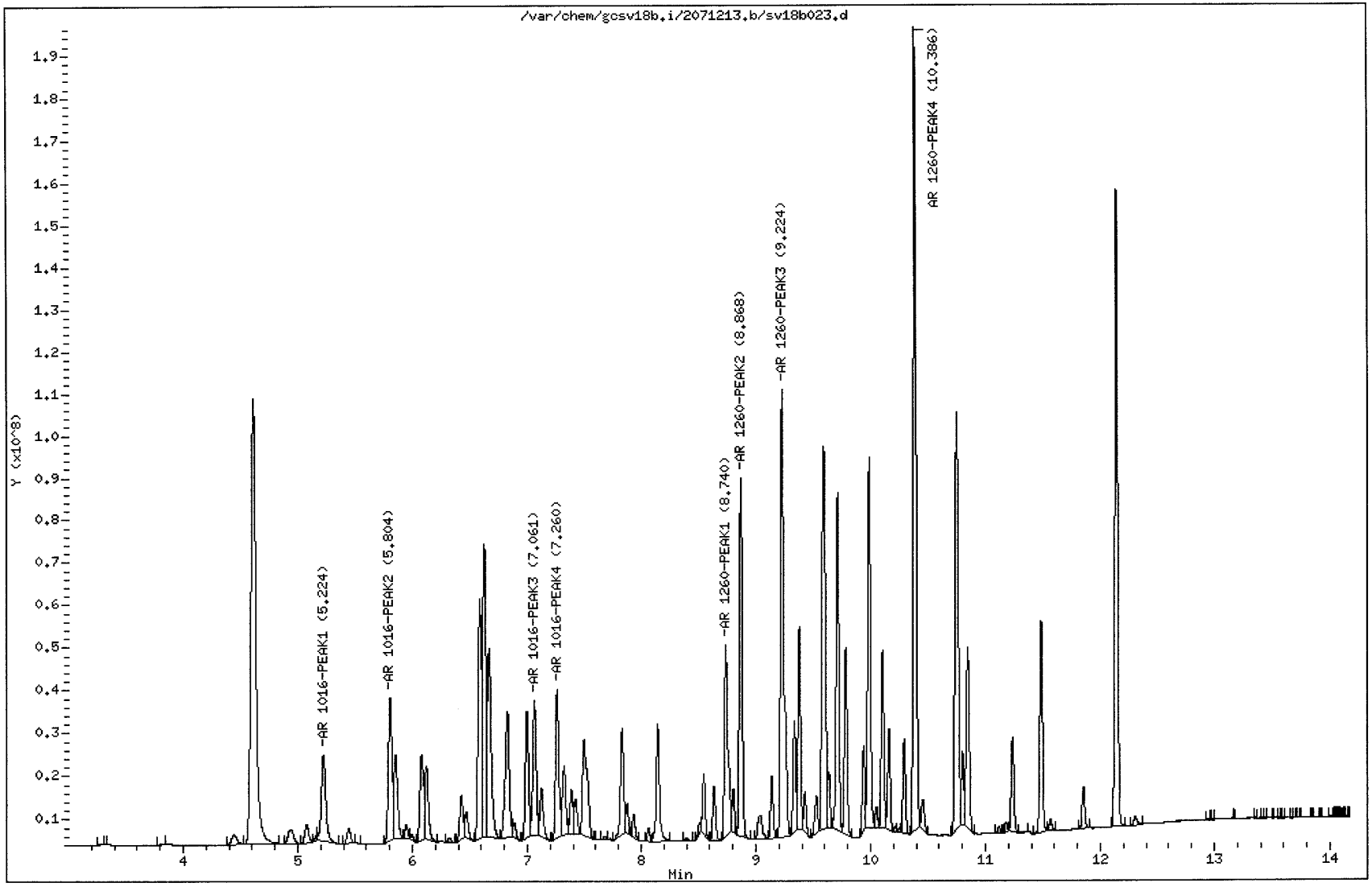
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				253274918	400.000	380
	24 AR 1016-PEAK1	5.224	5.222	0.002	53478130	400.000	350
	25 AR 1016-PEAK2	5.804	5.802	0.002	71226106	400.000	380
	26 AR 1016-PEAK3	7.061	7.061	0.000	64009299	400.000	420
	27 AR 1016-PEAK4	7.260	7.260	0.000	64561383	400.000	400
M	28 AR 1260-AVG				754461686	400.000	370
	29 AR 1260-PEAK1	8.740	8.740	0.000	92785569	400.000	390
	30 AR 1260-PEAK2	8.868	8.869	-0.001	142211147	400.000	350
	31 AR 1260-PEAK3	9.224	9.222	0.002	209402478	400.000	380
	32 AR 1260-PEAK4	10.386	10.387	-0.001	310062492	400.000	370

169677

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b023.d
Date : 13-DEC-2007 18:22
Client ID:
Sample Info: 1203x1 400
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

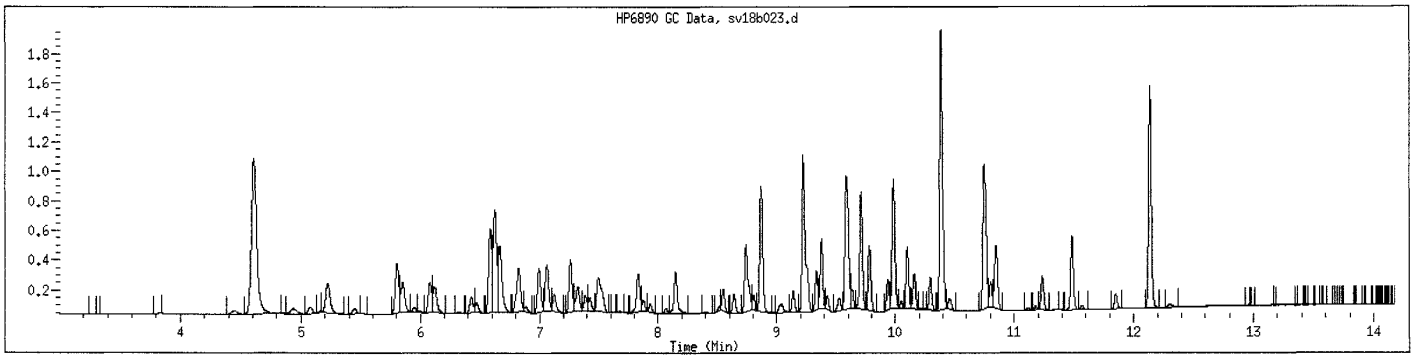
Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv18b.i/2071213.b/sv18b023.d Page: 1
Report Date: 12/14/2007 10:15

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 12/13/2007 18:22	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1203*1 400		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

169679

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b024.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b024.d
Lab Smp Id: 1204
Inj Date : 13-DEC-2007 18:40
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1204*1 800
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:40 Cal File: sv18b024.d
Als bottle: 24 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

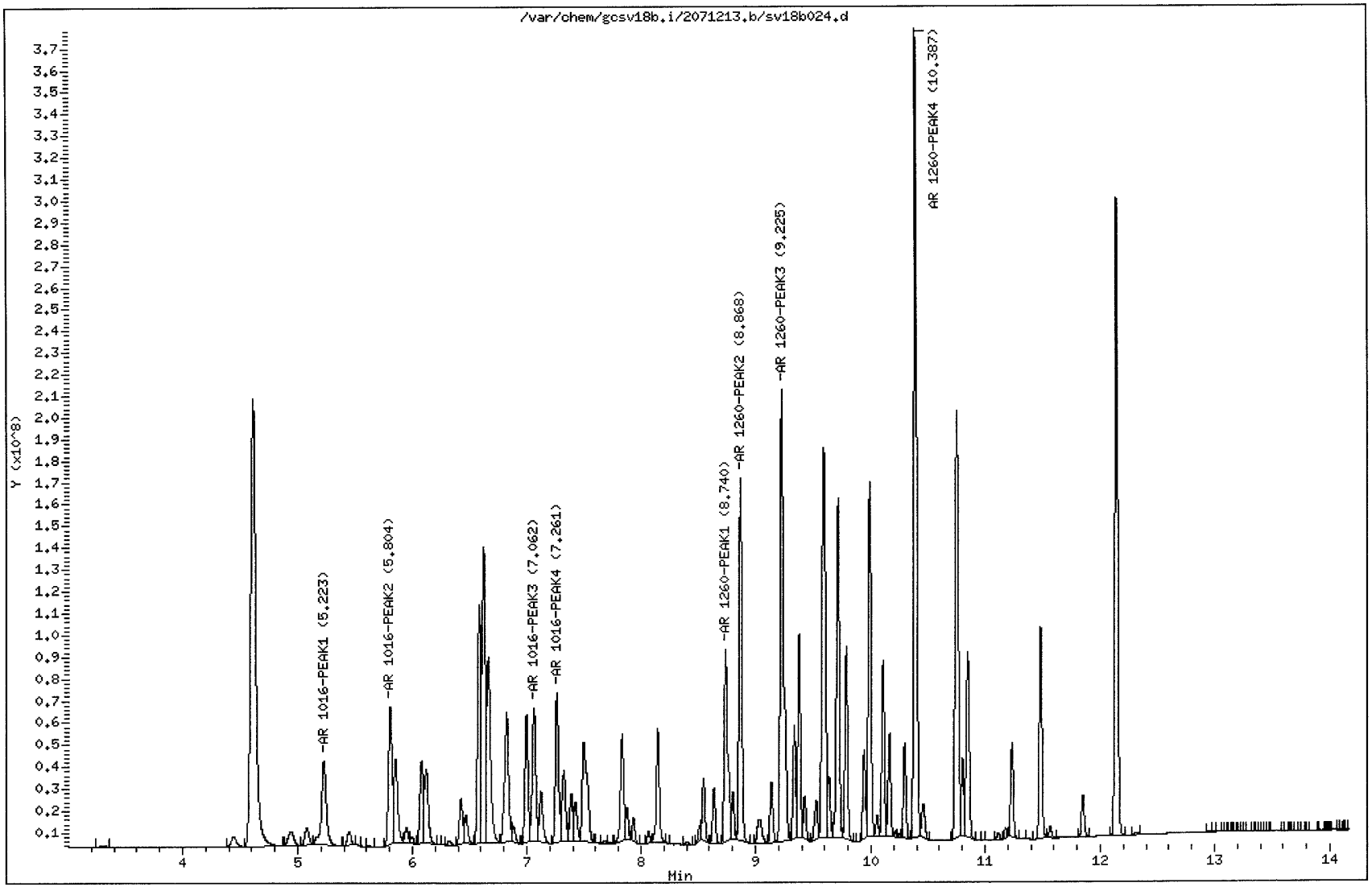
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				502662755	800.000	770
	24 AR 1016-PEAK1	5.223	5.222	0.001	111929820	800.000	740
	25 AR 1016-PEAK2	5.804	5.802	0.002	136111936	800.000	730
	26 AR 1016-PEAK3	7.062	7.061	0.001	127678275	800.000	820
	27 AR 1016-PEAK4	7.261	7.260	0.001	126942724	800.000	780
M	28 AR 1260-AVG				1483986029	800.000	750
	29 AR 1260-PEAK1	8.740	8.740	0.000	183928561	800.000	770
	30 AR 1260-PEAK2	8.868	8.869	-0.001	272734554	800.000	700
	31 AR 1260-PEAK3	9.225	9.222	0.003	416783956	800.000	770
	32 AR 1260-PEAK4	10.387	10.387	0.000	610538958	800.000	750

169680

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b024.d
Date : 13-DEC-2007 18:40
Client ID:
Sample Info: 1204x1 800
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i

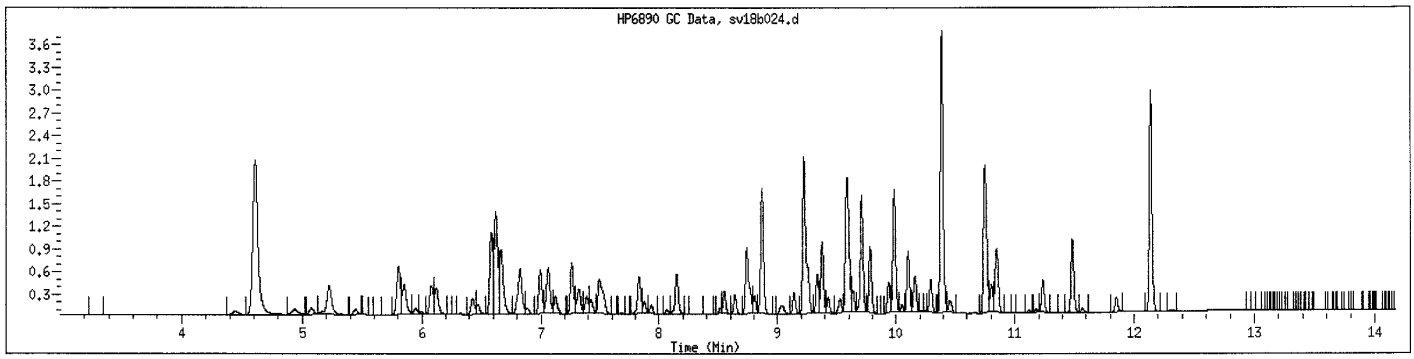
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv18b.i/2071213.b/sv18b024.d Page: 1
Report Date: 12/14/2007 10:15

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1204	SampleType	: CALIB_4
Injection Date	: 12/13/2007 18:40	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1204*1 800		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

169682

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b025.d
Report Date: 14-Dec-2007 10:15

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b025.d
Lab Smp Id: 1205
Inj Date : 13-DEC-2007 18:58
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1205*1 80-8-4
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 10:15 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:58 Cal File: sv18b025.d
Als bottle: 25 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

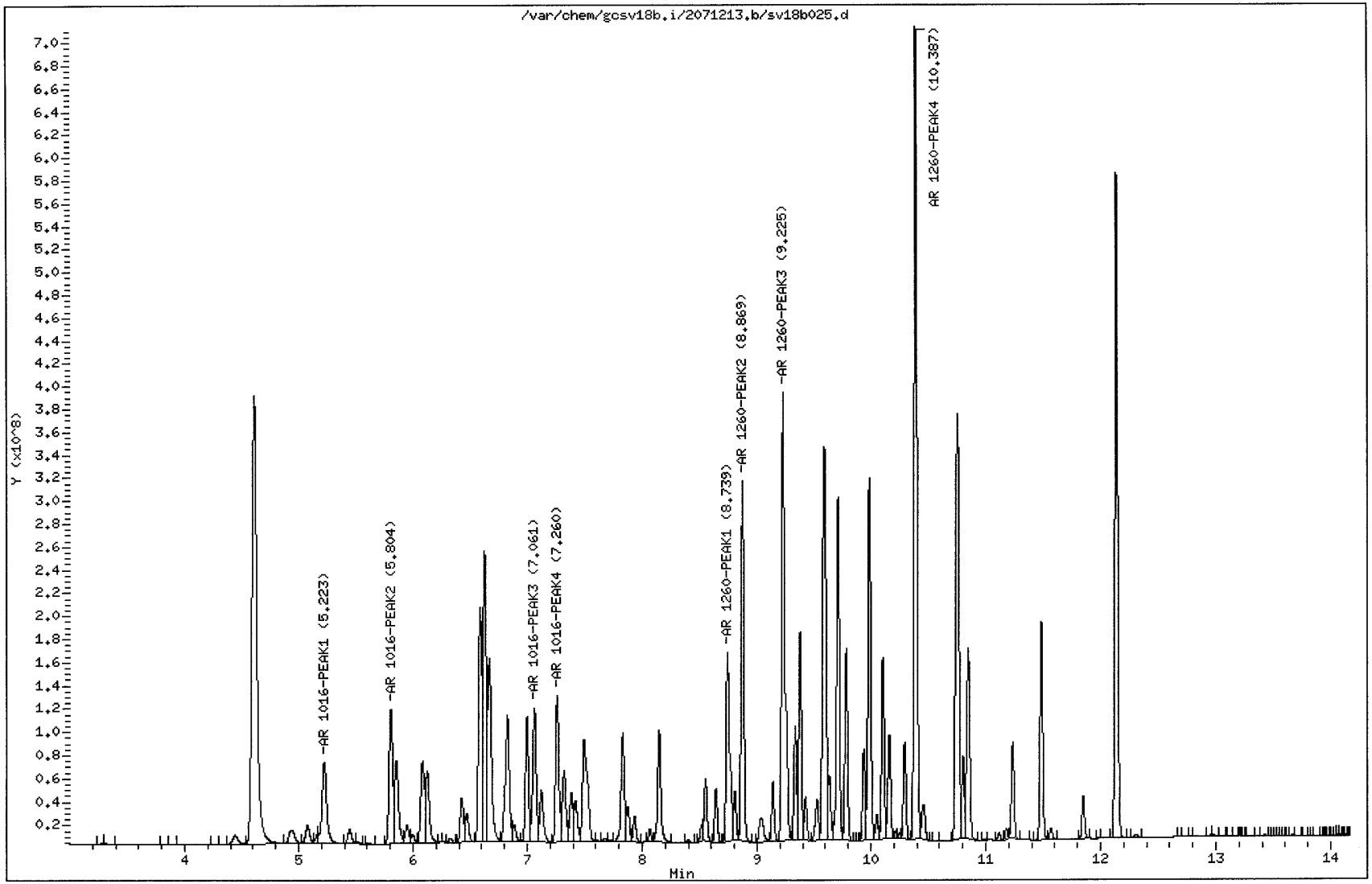
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				922495878	1600.00	1400
	24 AR 1016-PEAK1	5.223	5.222	0.001	194960286	1600.00	1300
	25 AR 1016-PEAK2	5.804	5.802	0.002	248243918	1600.00	1400
	26 AR 1016-PEAK3	7.061	7.061	0.000	241392733	1600.00	1600
	27 AR 1016-PEAK4	7.260	7.260	0.000	237898941	1600.00	1500
M	28 AR 1260-AVG				2805162738	1600.00	1400
	29 AR 1260-PEAK1	8.739	8.740	-0.001	346800768	1600.00	1500
	30 AR 1260-PEAK2	8.869	8.869	0.000	512173163	1600.00	1400
	31 AR 1260-PEAK3	9.225	9.223	0.002	775699144	1600.00	1500
	32 AR 1260-PEAK4	10.387	10.388	-0.001	1170489663	1600.00	1500

169683

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b025.d
Date : 13-DEC-2007 18:58
Client ID:
Sample Info: 1205x1 80-8-4
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i

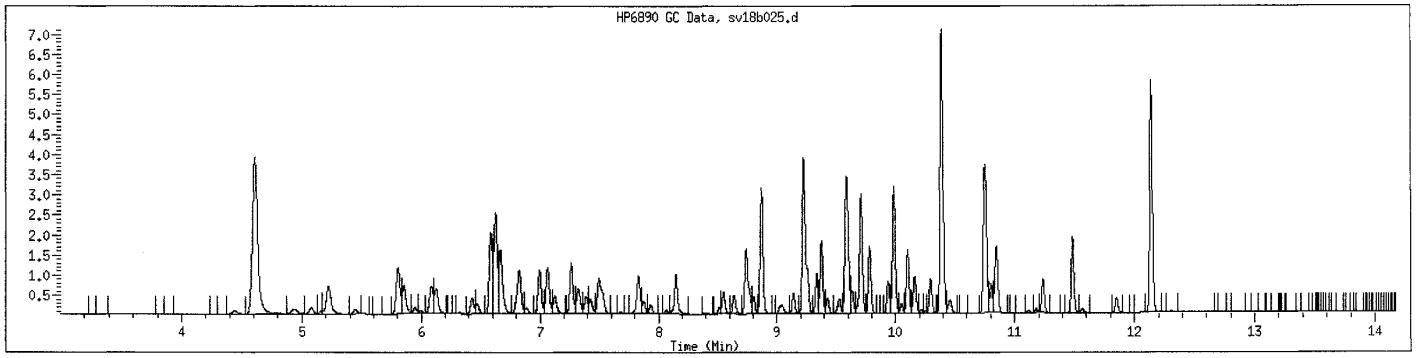
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv18b.i/2071213.b/sv18b025.d Page: 1
Report Date: 12/14/2007 10:15

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 12/13/2007 18:58	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1205*1 80-8-4		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

169685

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b026.d
Report Date: 14-Dec-2007 11:49

GCAL, Inc.

RECOVERY REPORT

Client Name: Client SDG: 2071213
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: 1600
Level: LOW Operator: tls
Data Type: GC MULTI COMP SampleType: LCS
SpikeList File: pcbicv.spk Quant Type: ESTD
Sublist File: pcbicv.sub
Method File: /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
M 23 AR 1016-AVG	400	360	90.32	85-115
M 28 AR 1260-AVG	400	330	81.97*	85-115

169686

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b026.d
Report Date: 14-Dec-2007 11:49

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071213.b/sv18b026.d
Lab Smp Id: 1600
Inj Date : 13-DEC-2007 19:16
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1600*1 80-6-10
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Meth Date : 14-Dec-2007 11:49 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:58 Cal File: sv18b025.d
Als bottle: 26 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcbicv.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (mL)
Vo	1.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
M	23 AR 1016-AVG				231831999	361.300	360
	24 AR 1016-PEAK1	5.225	5.222	0.003	52114723	355.660	360
	25 AR 1016-PEAK2	5.805	5.802	0.003	65528727	363.167	360
	26 AR 1016-PEAK3	7.061	7.061	0.000	56398738	364.889	360
	27 AR 1016-PEAK4	7.261	7.260	0.001	57789811	360.890	360
M	28 AR 1260-AVG				637980862	327.864	330
	29 AR 1260-PEAK1	8.739	8.740	-0.001	87043926	371.898	370 (M2)
	30 AR 1260-PEAK2	8.869	8.869	0.000	137521403	364.521	360 (M2)
	31 AR 1260-PEAK3	9.225	9.223	0.002	166630647	313.617	310 (M2)
	32 AR 1260-PEAK4	10.386	10.388	-0.002	246784886	307.239	310 (M2)

169687

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b026.d
Report Date: 14-Dec-2007 11:49

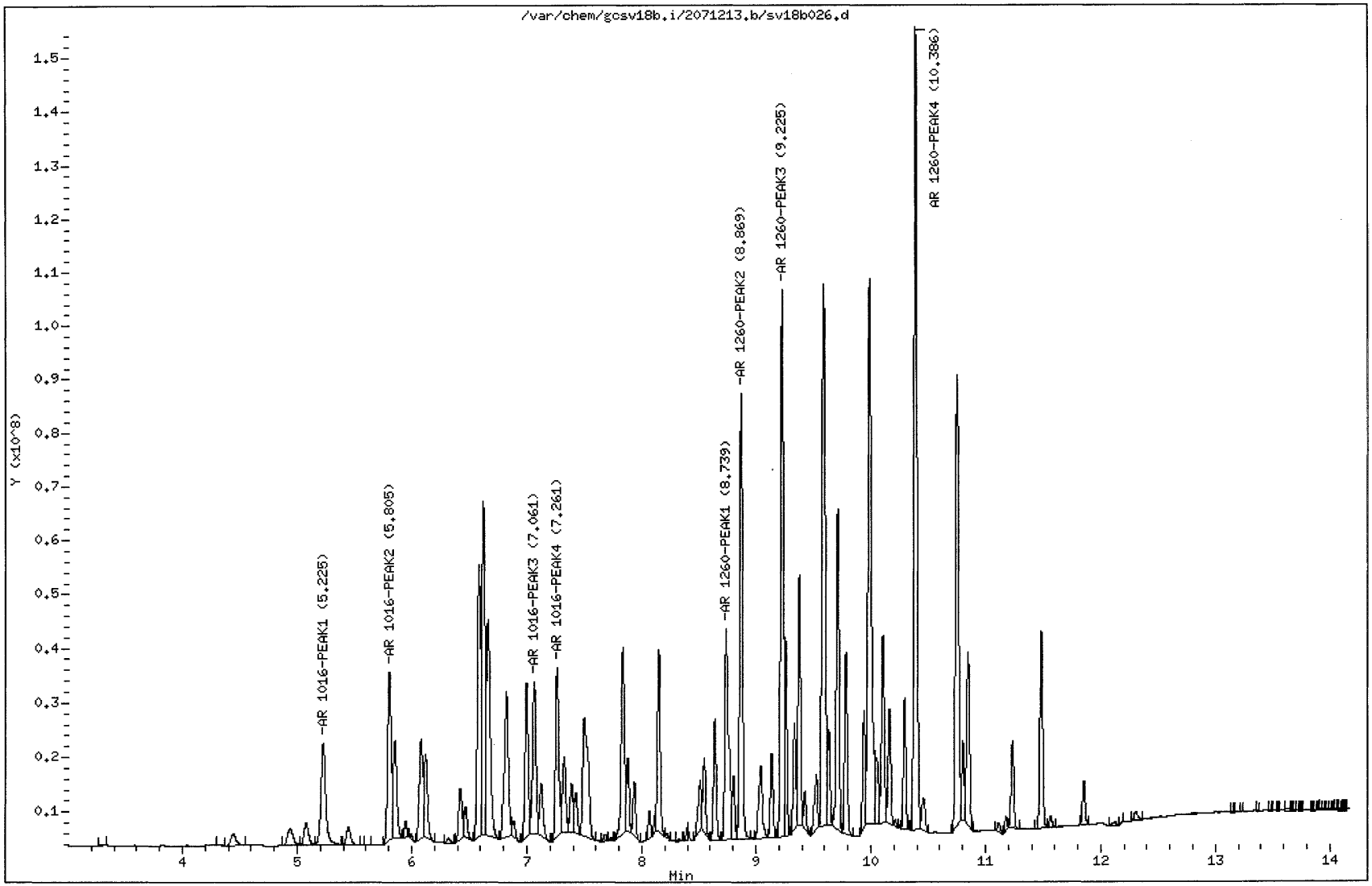
QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

169688

Data File: /var/chem/gcsv18b.i/2071213.b/sv18b026.d
Date : 13-DEC-2007 19:16
Client ID:
Sample Info: 1600x1 80-6-10
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32

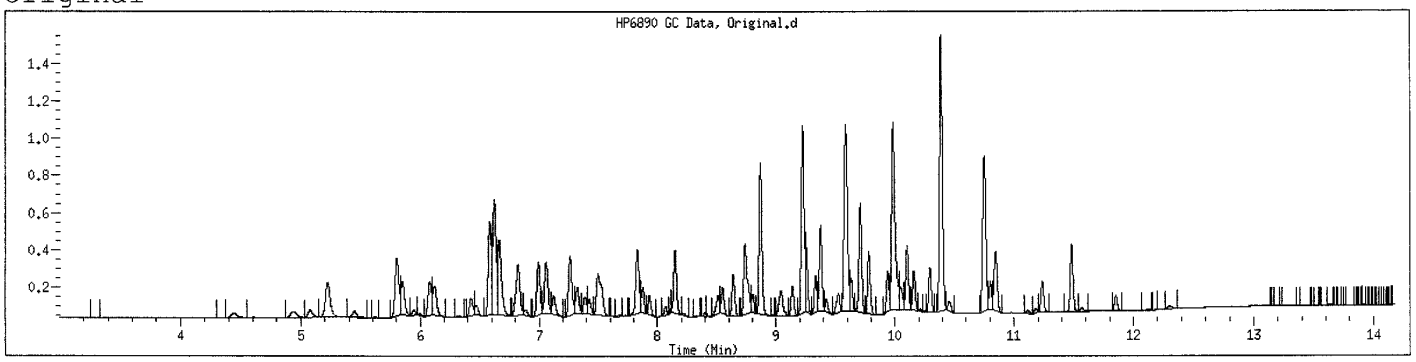


Data file : /var/chem/gcsv18b.i/2071213.b/sv18b026.d Page: 1
Report Date: 12/14/2007 11:49

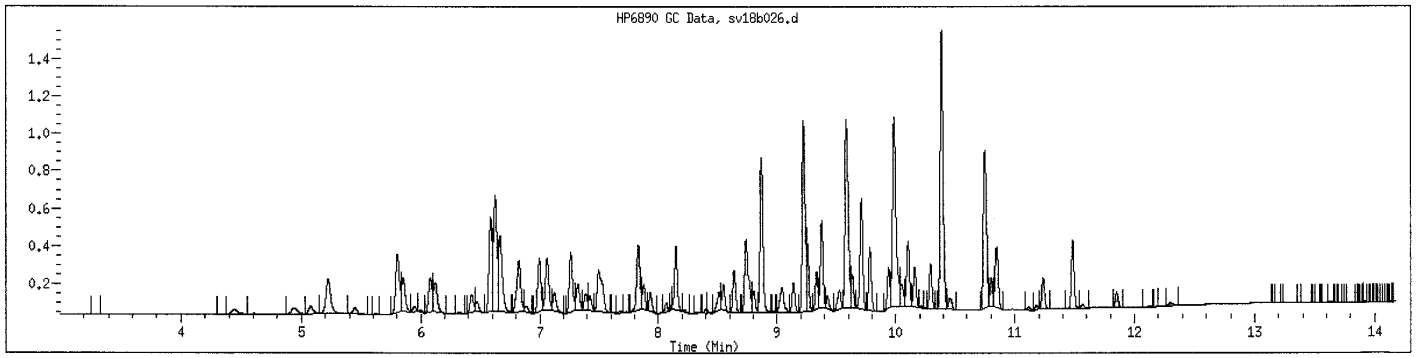
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 12/13/2007 19:16	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1600*1 80-6-10		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071213.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: pcbicv

Original



Final



169690

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b004.d
Report Date: 31-Dec-2007 10:36

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18b.i Injection Date: 28-DEC-2007 11:30
Lab File ID: sv18b004.d Init. Cal. Date(s): 13-DEC-2007 13-DEC-2007
Analysis Type: WATER Init. Cal. Times: 12:27 18:58
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18b.i/2071228.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	MIN %D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	641661	624156	0.010	2.72814	15.00000	Averaged
24 AR 1016-PEAK1	146529	125091	0.010	14.63048	15.00000	Averaged
25 AR 1016-PEAK2	180437	185167	0.010	-2.62150	15.00000	Averaged
26 AR 1016-PEAK3	154564	151478	0.010	1.99652	15.00000	Averaged
27 AR 1016-PEAK4	160131	162419	0.010	-1.42899	15.00000	Averaged
M 28 AR 1260-AVG	1945873	1899863	0.010	2.36453	15.00000	Averaged
29 AR 1260-PEAK1	234053	231148	0.010	1.24128	15.00000	Averaged
30 AR 1260-PEAK2	377266	362085	0.010	4.02409	15.00000	Averaged
31 AR 1260-PEAK3	531319	539192	0.010	-1.48179	15.00000	Averaged
32 AR 1260-PEAK4	803235	767438	0.010	4.45660	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 3.69739
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

169691

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b004.d
Report Date: 31-Dec-2007 10:36

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071228.b/sv18b004.d
Lab Smp Id: 1400
Inj Date : 28-DEC-2007 11:30
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1400*1 80-8-4
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Meth Date : 31-Dec-2007 10:36 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:58 Cal File: sv18b025.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

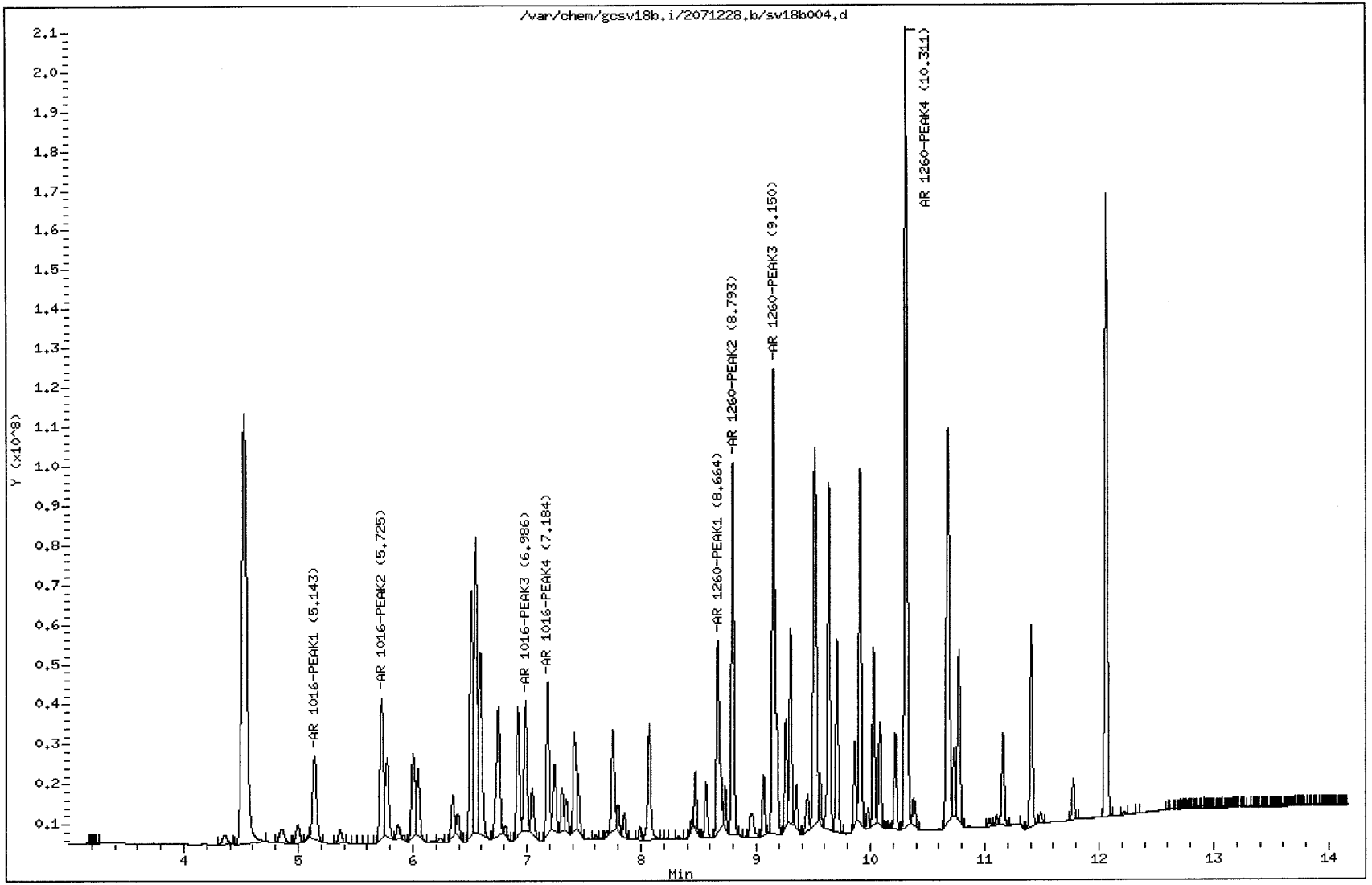
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				249662348	400.000	390
	24 AR 1016-PEAK1	5.143	5.143	0.000	50036598	400.000	340
	25 AR 1016-PEAK2	5.725	5.725	0.000	74066758	400.000	410
	26 AR 1016-PEAK3	6.986	6.986	0.000	60591218	400.000	390
	27 AR 1016-PEAK4	7.184	7.184	0.000	64967774	400.000	410
M	28 AR 1260-AVG				759945008	400.000	390
	29 AR 1260-PEAK1	8.664	8.664	0.000	92459230	400.000	400
	30 AR 1260-PEAK2	8.793	8.793	0.000	144833881	400.000	380
	31 AR 1260-PEAK3	9.150	9.150	0.000	215676671	400.000	410
	32 AR 1260-PEAK4	10.311	10.311	0.000	306975226	400.000	380

169692

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b004.d
Date : 28-DEC-2007 11:30
Client ID:
Sample Info: 1400X1 80-8-4
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i

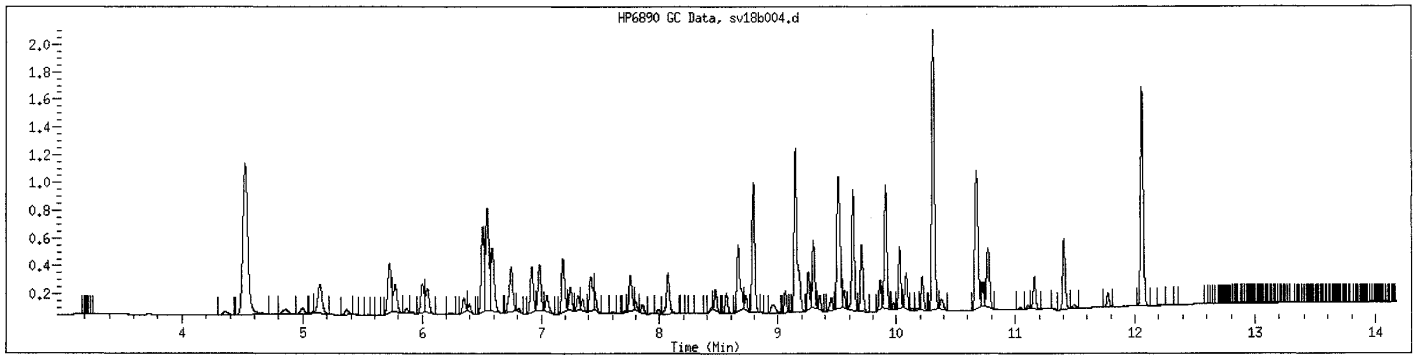
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv18b.i/2071228.b/sv18b004.d Page: 1
Report Date: 12/31/2007 10:36

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 12/28/2007 11:30	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 1400*1 80-8-4		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071228.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

169694

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b017.d
Report Date: 31-Dec-2007 10:36

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18b.i Injection Date: 28-DEC-2007 16:04
Lab File ID: sv18b017.d Init. Cal. Date(s): 13-DEC-2007 13-DEC-2007
Analysis Type: WATER Init. Cal. Times: 12:27 18:58
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18b.i/2071228.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	641661	635071	0.010	1.02706	15.00000	Averaged
24 AR 1016-PEAK1	146529	127813	0.010	12.77349	15.00000	Averaged
25 AR 1016-PEAK2	180437	184962	0.010	-2.50818	15.00000	Averaged
26 AR 1016-PEAK3	154564	157044	0.010	-1.60452	15.00000	Averaged
27 AR 1016-PEAK4	160131	165252	0.010	-3.19799	15.00000	Averaged
M 28 AR 1260-AVG	1945873	1881743	0.010	3.29571	15.00000	Averaged
29 AR 1260-PEAK1	234053	235239	0.010	-0.50661	15.00000	Averaged
30 AR 1260-PEAK2	377266	362180	0.010	3.99886	15.00000	Averaged
31 AR 1260-PEAK3	531319	521866	0.010	1.77912	15.00000	Averaged
32 AR 1260-PEAK4	803235	762458	0.010	5.07658	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 3.57681
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

169695

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b017.d
Report Date: 31-Dec-2007 10:36

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071228.b/sv18b017.d
Lab Smp Id: 1400
Inj Date : 28-DEC-2007 16:04
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1400*1 80-8-4
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Meth Date : 31-Dec-2007 10:36 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:58 Cal File: sv18b025.d
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

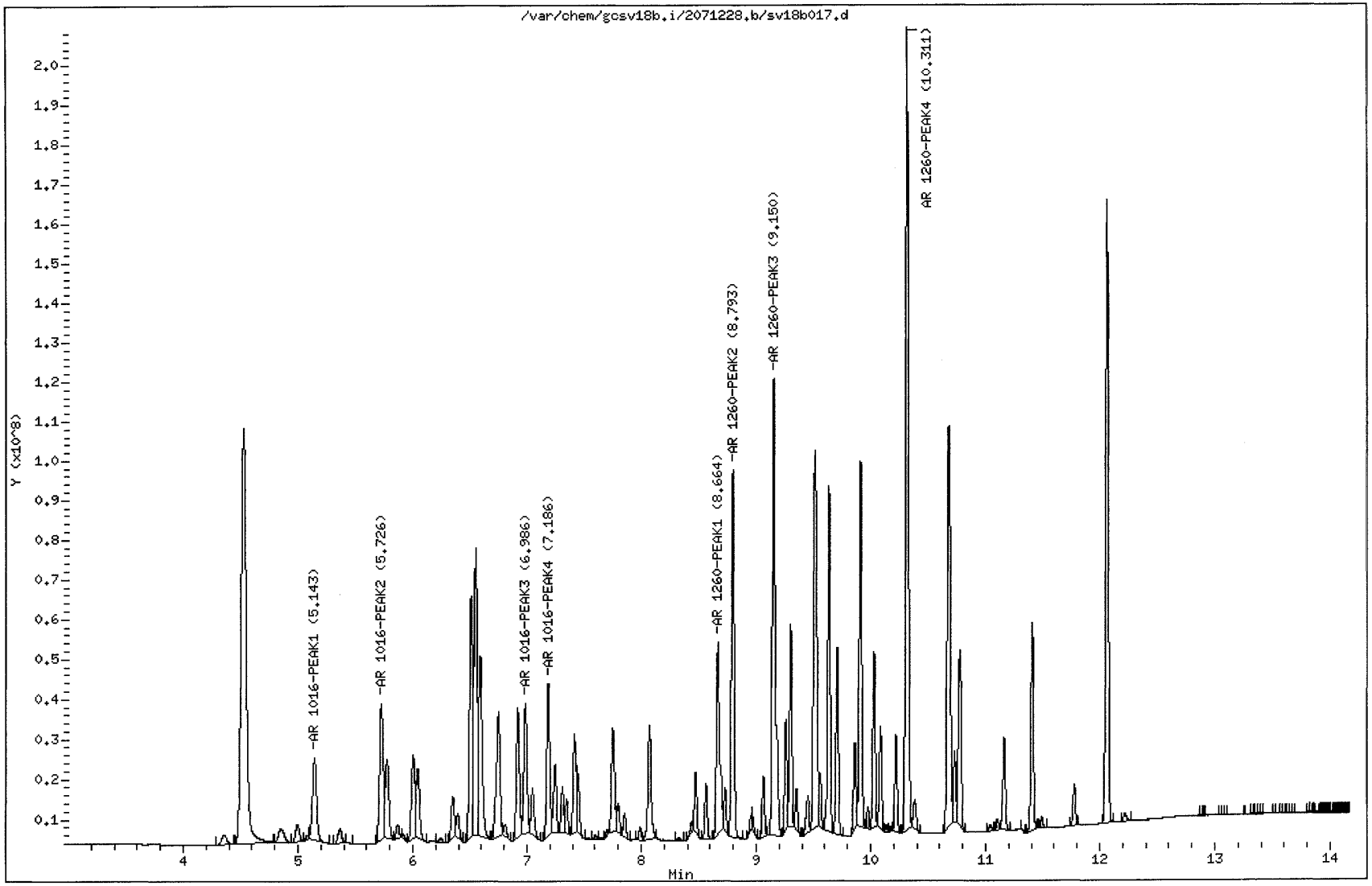
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/L)
M	23 AR 1016-AVG				254028419	400.000	400
	24 AR 1016-PEAK1	5.143	5.143	0.000	51125013	400.000	350
	25 AR 1016-PEAK2	5.726	5.725	0.001	73984969	400.000	410
	26 AR 1016-PEAK3	6.986	6.986	0.000	62817576	400.000	410
	27 AR 1016-PEAK4	7.186	7.185	0.001	66100861	400.000	410
M	28 AR 1260-AVG				752697196	400.000	390
	29 AR 1260-PEAK1	8.664	8.664	0.000	94095630	400.000	400
	30 AR 1260-PEAK2	8.793	8.793	0.000	144871953	400.000	380
	31 AR 1260-PEAK3	9.150	9.150	0.000	208746344	400.000	390
	32 AR 1260-PEAK4	10.311	10.311	0.000	304983269	400.000	380

169696

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b017.d
Date : 28-DEC-2007 16:04
Client ID:
Sample Info: 1400x1 80-8-4
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

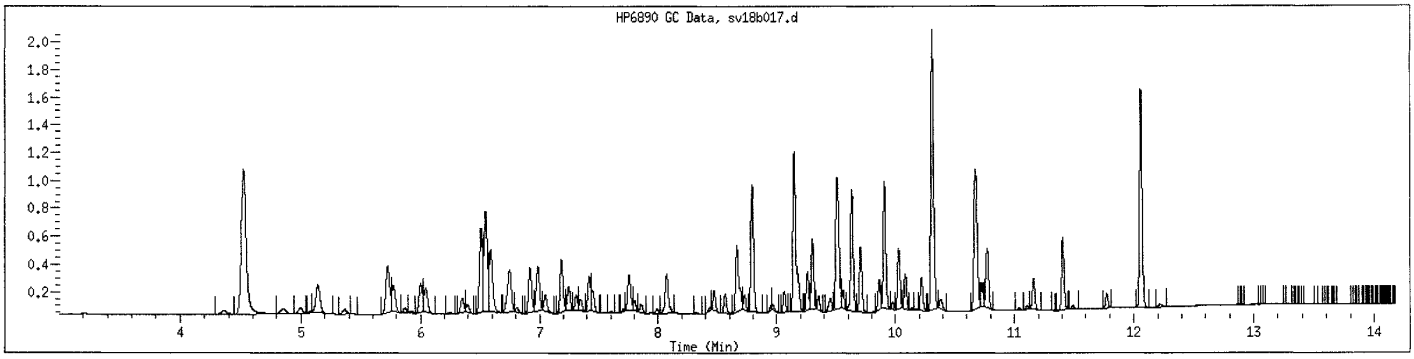
Instrument: gcsv18b.i

Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1400 SampleType : CCALIB_3
Injection Date: 12/28/2007 16:04 Instrument : gcsv18b.i
Operator : tls
Sample Info : 1400*1 80-8-4
Misc Info :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: aro1260



NO MANUAL INTEGRATIONS

169698

Report Date : 09-Jan-2008 07:36

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-DEC-2007 17:05
End Cal Date : 31-DEC-2007 13:30
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Cal Date : 02-Jan-2008 12:27 dlb
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv16a.i/2071230.b/sv16a027.d
Level 2: /var/chem/gcsv16a.i/2071230.b/sv16a028.d
Level 3: /var/chem/gcsv16a.i/2071230.b/sv16a029.d
Level 4: /var/chem/gcsv16a.i/2071230.b/sv16a030.d
Level 5: /var/chem/gcsv16a.i/2071230.b/sv16a031.d
Level 6: /var/chem/gcsv16a.i/2071230.b/sv16a018.d

		5.000	20.000	60.000	80.000	100.000	2.500	___	
	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	% RSD
	2 alpha-BHC	9749124	9714187	10044281	9784752	10009141	9300078	9766927	2.736
	3 gamma-BHC (Lindane)	8371926	8361358	8667258	8446260	8649304	+++++	8499221	1.753
	4 Heptachlor	7624657	7300046	7510015	7319894	7489114	+++++	7448745	1.839
	5 Aldrin	7505293	7530284	7689658	7487584	7645252	+++++	7571614	1.191
	6 beta-BHC	4092907	3781936	3856417	3711161	3762770	+++++	3841038	3.909
	7 delta-BHC	8268429	8135210	8544789	8267006	8540068	+++++	8351100	2.190
	8 Heptachlor epoxide	6918290	6841662	6928646	6714901	6857955	+++++	6852291	1.247
	9 Endosulfan I	6580222	6270422	6177300	6212430	6294569	+++++	6306988	2.531
	10 gamma-Chlordane	6927758	6784652	6933208	6752175	6906740	+++++	6860907	1.250
	11 alpha-Chlordane	6519650	6295210	6491275	6321747	6529238	+++++	6431424	1.765
	12 4,4'-DDE	6822949	6726053	6947364	6804958	7002989	+++++	6860863	1.636
	13 Dieldrin	6992778	6915690	7128595	6985993	7202105	+++++	7045032	1.658
	14 Endrin	5916533	5770375	5945122	5790848	5998847	+++++	5884345	1.690
	15 4,4'-DDD	5865355	5738023	5991909	5862176	6045117	+++++	5900516	2.047
	16 Endosulfan II	5815973	5804142	5994395	5868928	6042299	+++++	5905148	1.821
	17 4,4'-DDT	4147941	4699815	5301649	5305966	5556529	+++++	5002380	11.442
	18 Endrin aldehyde	4618890	4546110	4730069	4639289	4780826	+++++	4663037	1.993
	19 Methoxychlor	2566013	2621856	2878562	2878640	2954941	+++++	2780002	6.252
	20 Endosulfan sulfate	5251428	5184986	5396805	5285086	5458790	+++++	5315419	2.087
	21 Endrin ketone	5718368	5840497	6191941	6111343	6363529	+++++	6045135	4.345
M	23 AR 1016-AVG	1263845	1203683	1145825	1104658	1013515	1305736	1172877	9.156

169699

Report Date : 09-Jan-2008 07:36

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-DEC-2007 17:05
End Cal Date : 31-DEC-2007 13:30
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Cal Date : 02-Jan-2008 12:27 dlb
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	24 AR 1016-PEAK1	141737	131758	123217	115939	103925	146758	127222	12.670
	25 AR 1016-PEAK2	312459	298167	279959	265403	240265	324626	286813	10.902
	26 AR 1016-PEAK3	608747	583033	559370	544482	503300	634641	572262	8.208
	27 AR 1016-PEAK4	200902	190725	183279	178834	166025	199711	186579	7.143
M	28 AR 1260-AVG	1628538	1597629	1547265	1542309	1459329	1644995	1570011	4.352
	29 AR 1260-PEAK1	210398	203442	193789	190203	177086	211977	197816	6.761
	30 AR 1260-PEAK2	346170	331064	316011	309969	289884	364285	326231	8.178
	31 AR 1260-PEAK3	392438	381354	368481	364166	341094	397334	374144	5.540
	32 AR 1260-PEAK4	679532	681769	668984	677971	651265	671400	671820	1.667
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	200623	+++++	+++++	+++++	200623	0.000
	38 AR 1221-PEAK1	+++++	+++++	57297	+++++	+++++	+++++	57297	0.000
	39 AR 1221-PEAK2	+++++	+++++	20765	+++++	+++++	+++++	20765	0.000
	40 AR 1221-PEAK3	+++++	+++++	75344	+++++	+++++	+++++	75344	0.000
	41 AR 1221-PEAK4	+++++	+++++	47217	+++++	+++++	+++++	47217	0.000
M	42 AR 1232-AVG	+++++	+++++	565255	+++++	+++++	+++++	565255	0.000
	43 AR 1232-PEAK1	+++++	+++++	118066	+++++	+++++	+++++	118066	0.000
	44 AR 1232-PEAK2	+++++	+++++	130503	+++++	+++++	+++++	130503	0.000
	45 AR 1232-PEAK3	+++++	+++++	237522	+++++	+++++	+++++	237522	0.000
	46 AR 1232-PEAK4	+++++	+++++	79164	+++++	+++++	+++++	79164	0.000
M	47 AR 1242-AVG	+++++	+++++	846472	+++++	+++++	+++++	846472	0.000
	48 AR 1242-PEAK1	+++++	+++++	90526	+++++	+++++	+++++	90526	0.000
	49 AR 1242-PEAK2	+++++	+++++	208700	+++++	+++++	+++++	208700	0.000
	50 AR 1242-PEAK3	+++++	+++++	411272	+++++	+++++	+++++	411272	0.000
	51 AR 1242-PEAK4	+++++	+++++	135973	+++++	+++++	+++++	135973	0.000
M	52 AR 1248-AVG	+++++	+++++	909537	+++++	+++++	+++++	909537	0.000

Report Date : 09-Jan-2008 07:36

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-DEC-2007 17:05
End Cal Date : 31-DEC-2007 13:30
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Cal Date : 02-Jan-2008 12:27 dlb
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	53 AR 1248-PEAK1	+++++	+++++	270782	+++++	+++++	+++++	270782	0.000
	54 AR 1248-PEAK2	+++++	+++++	163377	+++++	+++++	+++++	163377	0.000
	55 AR 1248-PEAK3	+++++	+++++	205306	+++++	+++++	+++++	205306	0.000
	56 AR 1248-PEAK4	+++++	+++++	270072	+++++	+++++	+++++	270072	0.000
M	57 AR 1254-AVG	+++++	+++++	773831	+++++	+++++	+++++	773831	0.000
	58 AR 1254-PEAK1	+++++	+++++	102457	+++++	+++++	+++++	102457	0.000
	59 AR 1254-PEAK2	+++++	+++++	90532	+++++	+++++	+++++	90532	0.000
	60 AR 1254-PEAK3	+++++	+++++	191955	+++++	+++++	+++++	191955	0.000
	61 AR 1254-PEAK4	+++++	+++++	388888	+++++	+++++	+++++	388888	0.000
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	722280	+++++	722280	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	213906	+++++	213906	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	206209	+++++	206209	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	147215	+++++	147215	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	154949	+++++	154949	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	1983312	+++++	1983312	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	278601	+++++	278601	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	339513	+++++	339513	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	734861	+++++	734861	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	630338	+++++	630338	0.000
	73 CHLORDANE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	74 AR 1268-AVG	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	75 AR 1268-PEAK1	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	76 AR 1268-PEAK2	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	77 AR 1268-PEAK3	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	78 AR 1268 PEAK4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	79 AR 1262-AVG	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	80 AR 1262-PEAK1	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	81 AR 1262-PEAK2	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Report Date : 09-Jan-2008 07:36

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-DEC-2007 17:05
End Cal Date : 31-DEC-2007 13:30
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Cal Date : 02-Jan-2008 12:27 dlb
Curve Type : Average

Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
82 AR 1262-PEAK3	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
83 AR 1262-PEAK4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
84 Diallate	405381	273036	300116	281705	264933	+++++	305034	18.882
85 Isodrin	7404208	5435227	6853184	6579582	6317778	+++++	6517996	11.153
86 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
173 Kepone	86609	65214	80517	76217	73785	+++++	76468	10.404
$ 1 Tetrachloro-m-xylene	7602313	7575899	7578177	7363690	7351196	+++++	7494255	1.673
$ 22 Decachlorobiphenyl	6137934	5093005	5109848	4943837	5099963	+++++	5276917	9.213

169702

Report Date : 09-Jan-2008 07:36

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-DEC-2007 17:05
End Cal Date : 31-DEC-2007 13:30
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Cal Date : 02-Jan-2008 12:27 dlb
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 5.17954
Maximun Average %RSD = 20.00000
* Passed Average %RSD Test.

169703

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a013.d
Report Date: 09-Jan-2008 07:37

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a013.d
Lab Smp Id: 1203
Inj Date : 30-DEC-2007 20:12
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 80-6-4
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 07:37 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 12:53 Cal File: sv16a029.d
Als bottle: 13 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1221.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

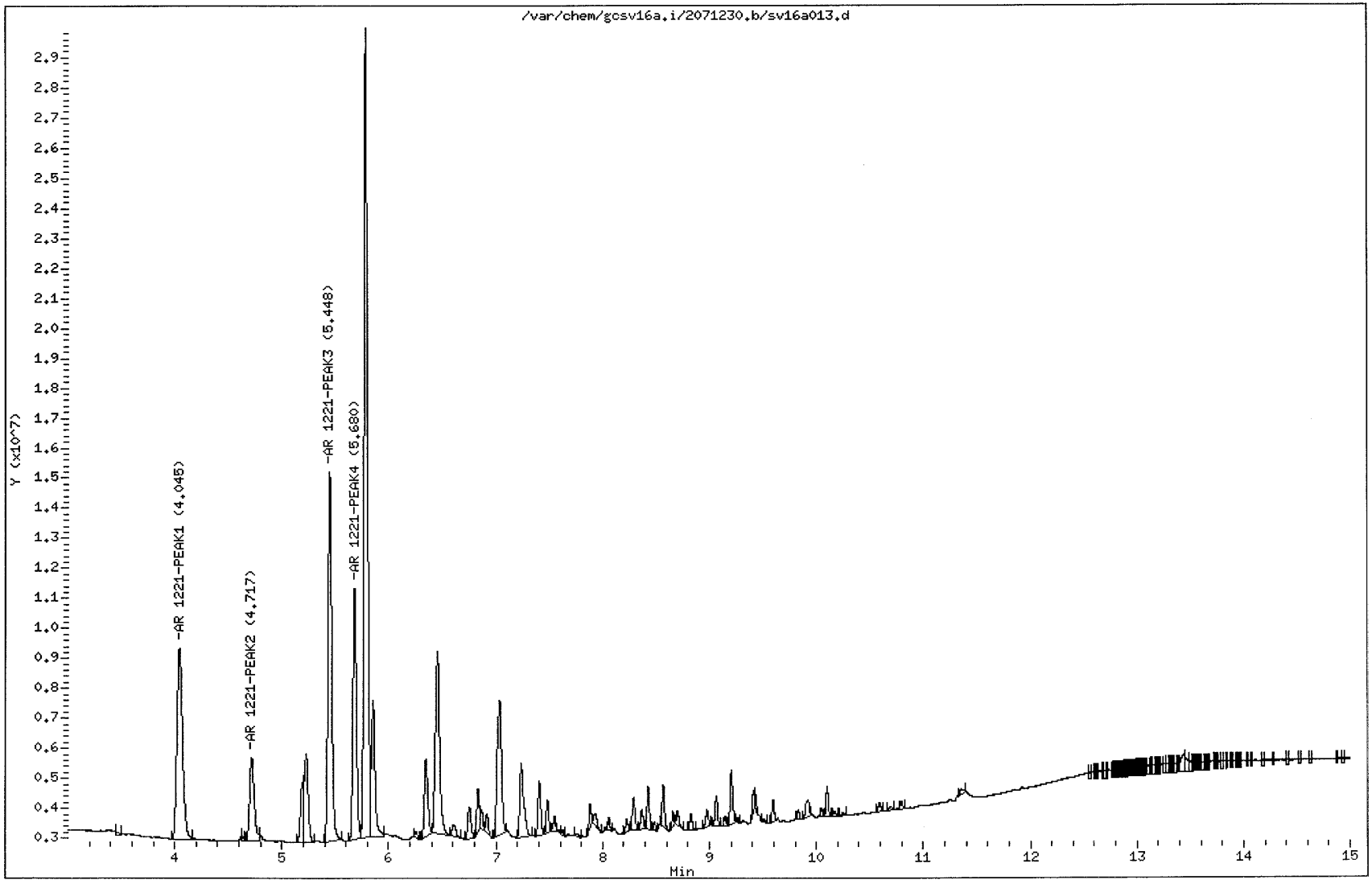
Cpnd Variable Local Compound Variable

						AMOUNTS	
						CAL-AMT	ON-COL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/L)
M	37 AR 1221-AVG				80249292	400.000	400
	38 AR 1221-PEAK1	4.045	4.045	0.000	22918998	400.000	400
	39 AR 1221-PEAK2	4.717	4.717	0.000	8306086	400.000	400
	40 AR 1221-PEAK3	5.448	5.448	0.000	30137548	400.000	400
	41 AR 1221-PEAK4	5.680	5.680	0.000	18886660	400.000	400

169704

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a013.d
Date : 30-DEC-2007 20:12
Client ID:
Sample Info: 1203x1 80-6-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv16a.i/2071230.b/sv16a014.d
Report Date: 09-Jan-2008 07:37

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a014.d
Lab Smp Id: 1203
Inj Date : 30-DEC-2007 20:31
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 80-6-5
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 07:37 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 12:53 Cal File: sv16a029.d
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1232.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

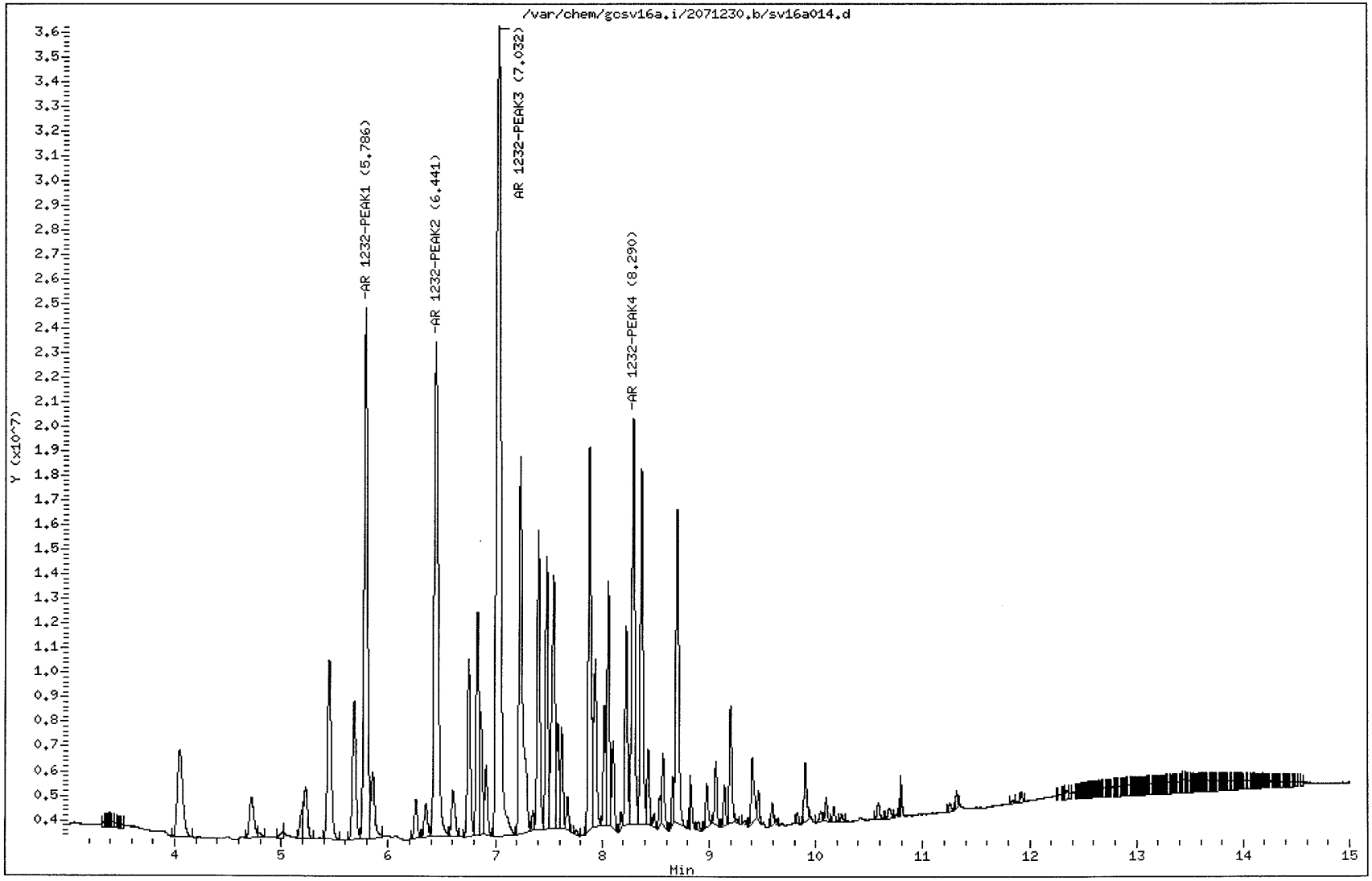
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 42 AR 1232-AVG				226102123	400.000	400
43 AR 1232-PEAK1	5.786	5.786	0.000	47226477	400.000	400
44 AR 1232-PEAK2	6.441	6.441	0.000	52201292	400.000	400
45 AR 1232-PEAK3	7.032	7.032	0.000	95008727	400.000	400
46 AR 1232-PEAK4	8.290	8.290	0.000	31665627	400.000	400

169706

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a014.d
Date : 30-DEC-2007 20:31
Client ID:
Sample Info: 1203M1 80-6-5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv16a.i/2071230.b/sv16a015.d
Report Date: 09-Jan-2008 07:37

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a015.d
Lab Smp Id: 1203
Inj Date : 30-DEC-2007 20:49
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 80-6-6
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 07:37 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 12:53 Cal File: sv16a029.d
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1242.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

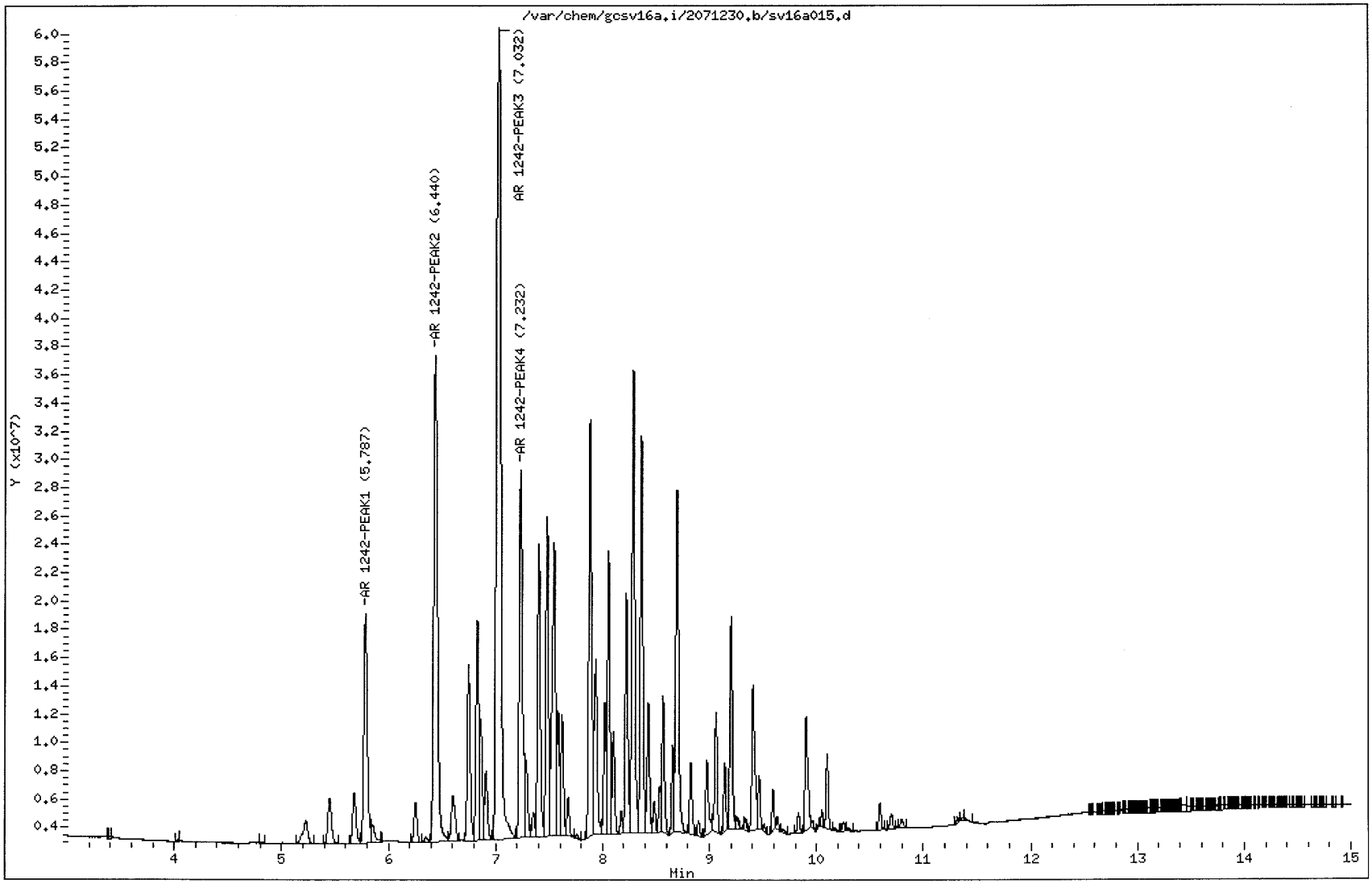
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 47 AR 1242-AVG				338588777	400.000	400
48 AR 1242-PEAK1	5.787	5.787	0.000	36210461	400.000	400
49 AR 1242-PEAK2	6.440	6.440	0.000	83480184	400.000	400
50 AR 1242-PEAK3	7.032	7.032	0.000	164508905	400.000	400
51 AR 1242-PEAK4	7.232	7.232	0.000	54389227	400.000	400

169708

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a015.d
Date : 30-DEC-2007 20:49
Client ID:
Sample Info: 1203x1 80-6-6
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv16a.i/2071230.b/sv16a016.d
Report Date: 09-Jan-2008 07:37

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a016.d
Lab Smp Id: 1203
Inj Date : 30-DEC-2007 21:08
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 80-6-7
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 07:37 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 12:53 Cal File: sv16a029.d
Als bottle: 16 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1248.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

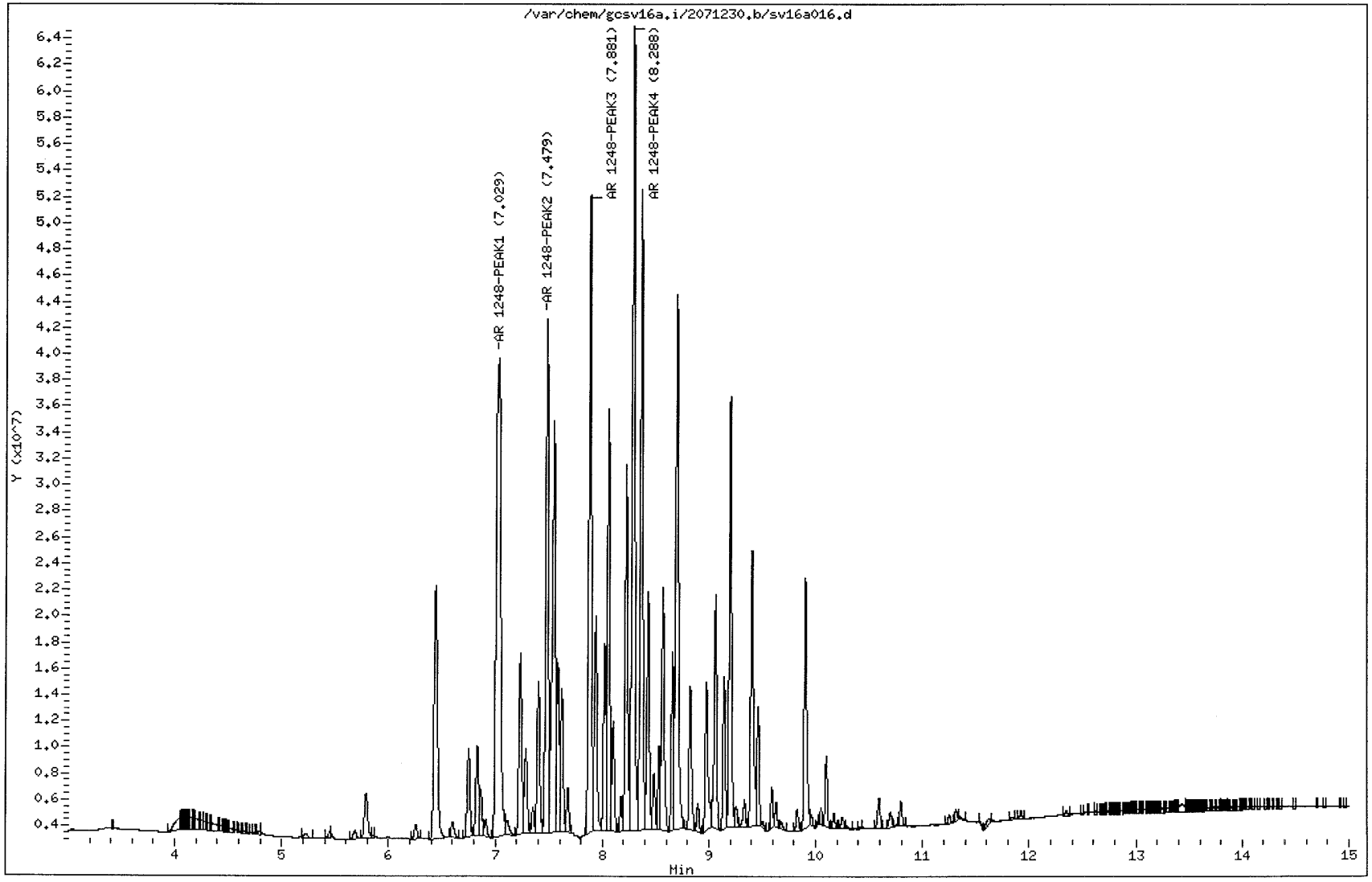
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 52 AR 1248-AVG				363814848	400.000	400
53 AR 1248-PEAK1	7.029	7.029	0.000	108312716	400.000	400
54 AR 1248-PEAK2	7.479	7.479	0.000	65350793	400.000	400
55 AR 1248-PEAK3	7.881	7.881	0.000	82122471	400.000	400
56 AR 1248-PEAK4	8.288	8.288	0.000	108028868	400.000	400

169710

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a016.d
Date : 30-DEC-2007 21:08
Client ID:
Sample Info: 1203x1 80-6-7
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv16a.i/2071230.b/sv16a017.d
Report Date: 09-Jan-2008 07:37

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a017.d
Lab Smp Id: 1203
Inj Date : 30-DEC-2007 21:27
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 80-6-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 07:37 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 12:53 Cal File: sv16a029.d
Als bottle: 17 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1254.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

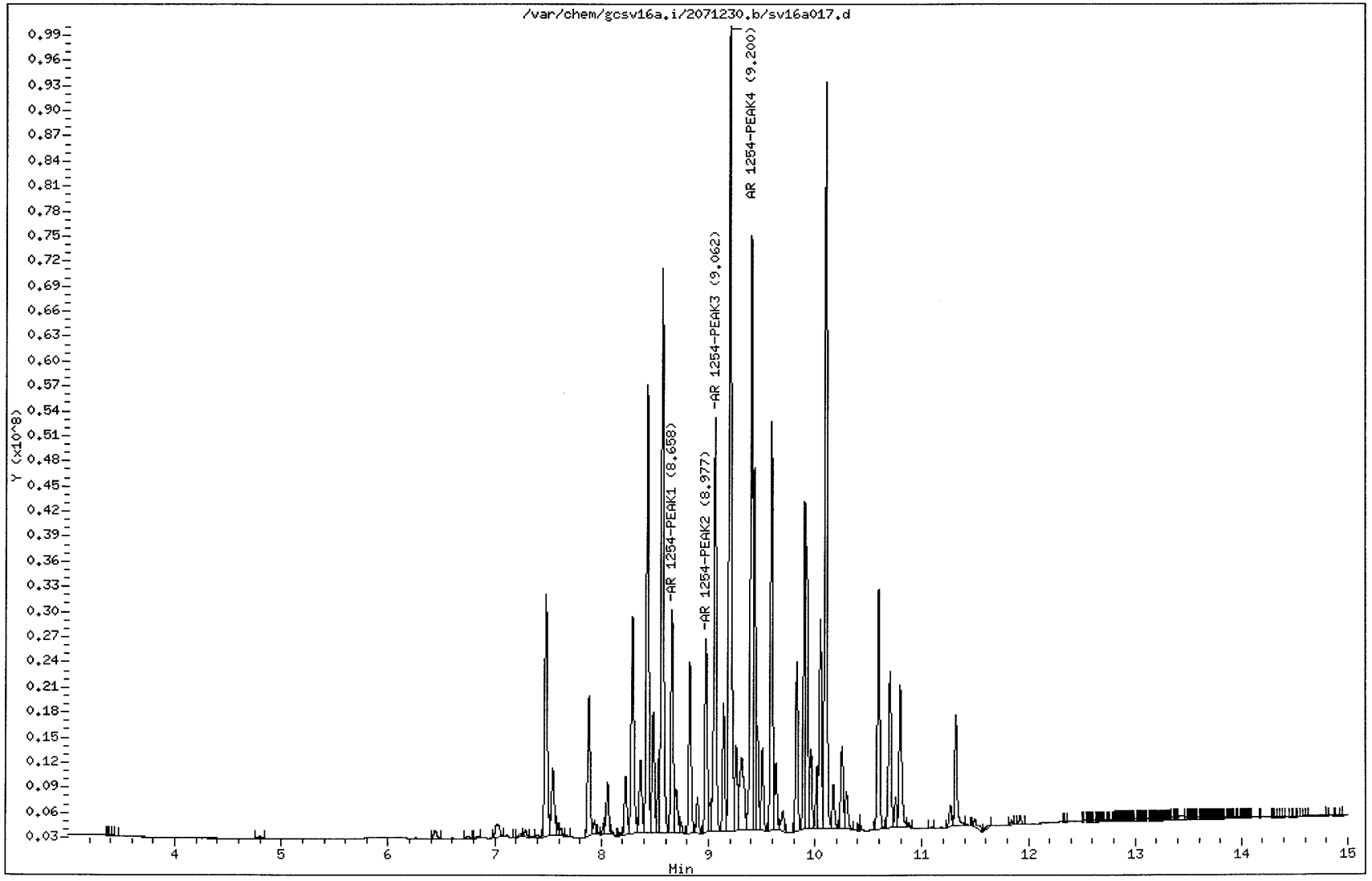
Cpnd Variable Local Compound Variable

						AMOUNTS	
						CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(UG/L)	(UG/L)
M 57 AR 1254-AVG				309532561		400.000	400
58 AR 1254-PEAK1	8.658	8.658	0.000	40982864		400.000	400
59 AR 1254-PEAK2	8.977	8.977	0.000	36212621		400.000	400
60 AR 1254-PEAK3	9.062	9.062	0.000	76782050		400.000	400
61 AR 1254-PEAK4	9.200	9.200	0.000	155555026		400.000	400

169712

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a017.d
Date : 30-DEC-2007 21:27
Client ID:
Sample Info: 1203x1 80-6-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv16a.i/2071230.b/sv16a018.d
Report Date: 09-Jan-2008 07:37

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a018.d
Lab Smp Id: 1206
Inj Date : 30-DEC-2007 21:46
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1206*1 50
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 07:37 dlb Quant Type: ESTD
Cal Date : 30-DEC-2007 21:46 Cal File: sv16a018.d
Als bottle: 18 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

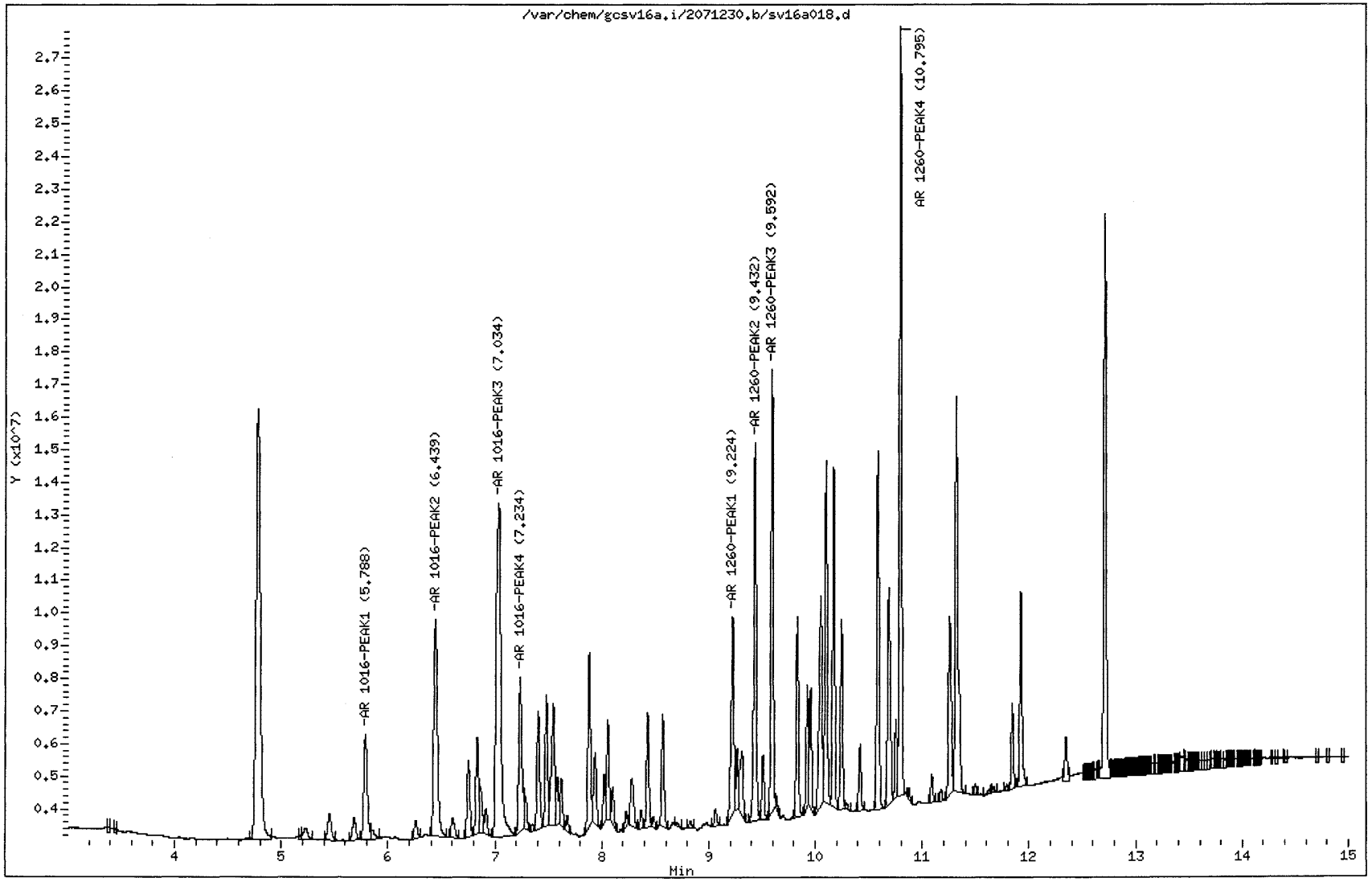
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				65286794	50.0000	56
	24 AR 1016-PEAK1	5.788	5.787	0.001	7337896	50.0000	58
	25 AR 1016-PEAK2	6.439	6.439	0.000	16231295	50.0000	57
	26 AR 1016-PEAK3	7.034	7.031	0.003	31732054	50.0000	55
	27 AR 1016-PEAK4	7.234	7.231	0.003	9985549	50.0000	54
M	28 AR 1260-AVG				82249746	50.0000	52
	29 AR 1260-PEAK1	9.224	9.223	0.001	10598848	50.0000	54
	30 AR 1260-PEAK2	9.432	9.431	0.001	18214230	50.0000	56
	31 AR 1260-PEAK3	9.592	9.591	0.001	19866675	50.0000	53
	32 AR 1260-PEAK4	10.795	10.793	0.002	33569993	50.0000	50

169714

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a018.d
Date : 30-DEC-2007 21:46
Client ID:
Sample Info: 1206x1 50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv16a.i/2071230.b/sv16a019.d
Report Date: 09-Jan-2008 07:37

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a019.d
Lab Smp Id: 1201
Inj Date : 30-DEC-2007 22:04
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1201*1 100
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 07:37 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 19 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

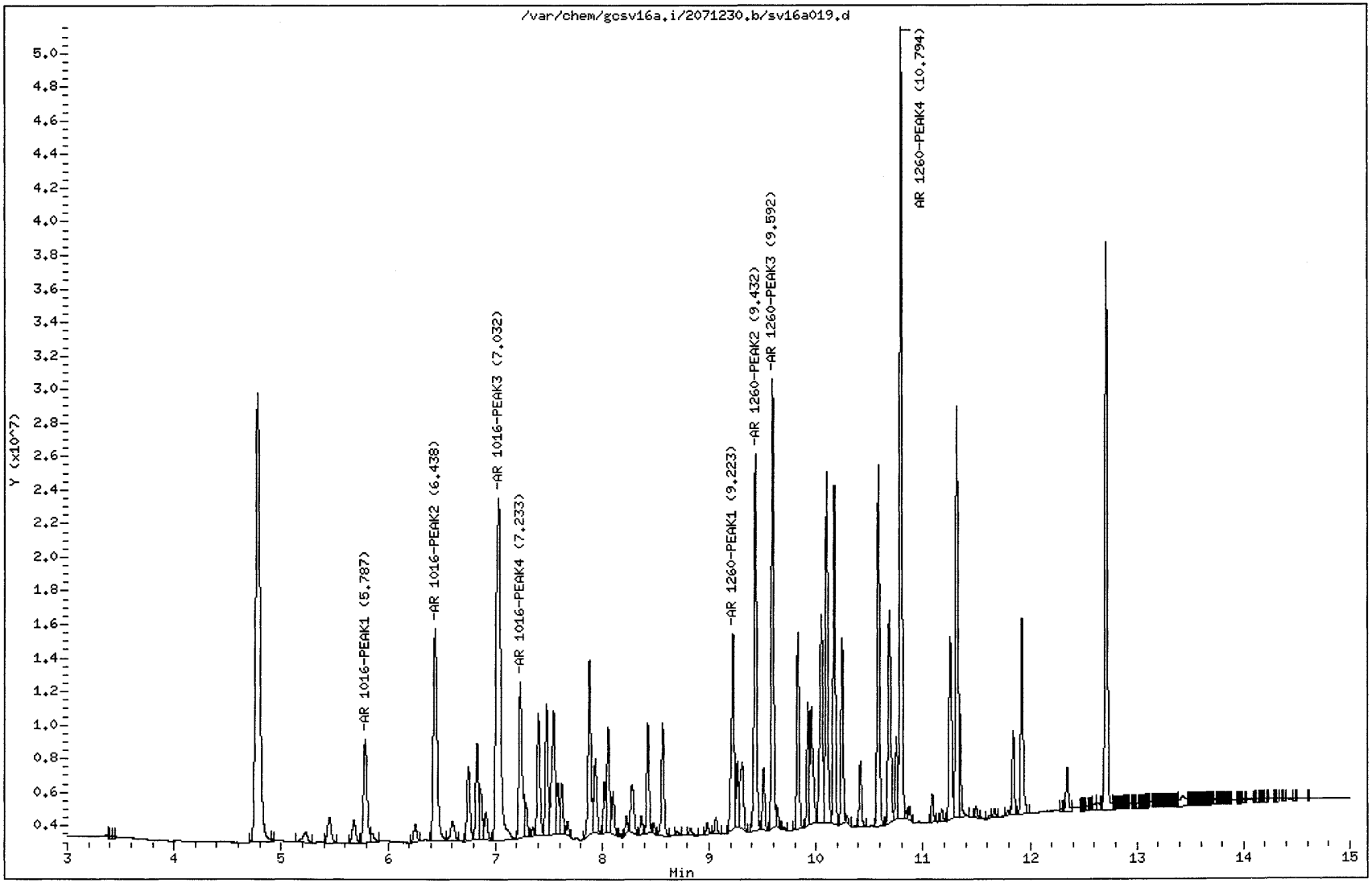
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 23 AR 1016-AVG				126384489	100.000	110
24 AR 1016-PEAK1	5.787	5.787	0.000	14173696	100.000	110
25 AR 1016-PEAK2	6.438	6.439	-0.001	31245866	100.000	110
26 AR 1016-PEAK3	7.032	7.031	0.001	60874737	100.000	110
27 AR 1016-PEAK4	7.233	7.231	0.002	20090190	100.000	110
M 28 AR 1260-AVG				162853758	100.000	100
29 AR 1260-PEAK1	9.223	9.223	0.000	21039788	100.000	110
30 AR 1260-PEAK2	9.432	9.431	0.001	34617043	100.000	110
31 AR 1260-PEAK3	9.592	9.591	0.001	39243773	100.000	100
32 AR 1260-PEAK4	10.794	10.793	0.001	67953154	100.000	100

169716

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a019.d
Date : 30-DEC-2007 22:04
Client ID:
Sample Info: 1201x1 100
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv16a.i/2071230.b/sv16a020.d
Report Date: 09-Jan-2008 07:37

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a020.d
Lab Smp Id: 1202
Inj Date : 30-DEC-2007 22:23
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1202*1 200
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 07:37 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 12:34 Cal File: sv16a028.d
Als bottle: 20 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

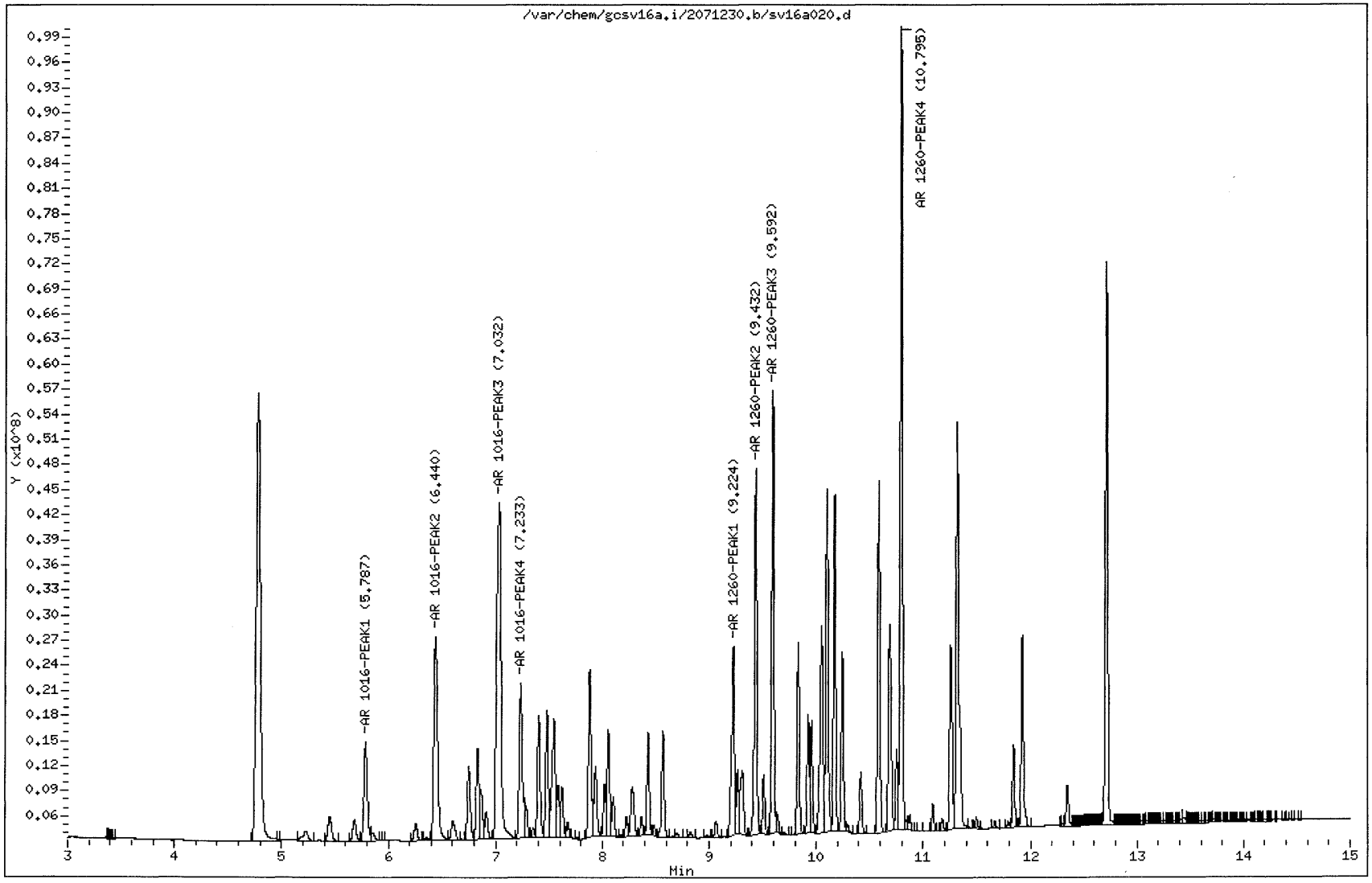
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				240736681	200.000	210
	24 AR 1016-PEAK1	5.787	5.787	0.000	26351699	200.000	210
	25 AR 1016-PEAK2	6.440	6.439	0.001	59633386	200.000	210
	26 AR 1016-PEAK3	7.032	7.031	0.001	116606580	200.000	200
	27 AR 1016-PEAK4	7.233	7.231	0.002	38145016	200.000	200
M	28 AR 1260-AVG				319525820	200.000	200
	29 AR 1260-PEAK1	9.224	9.223	0.001	40688429	200.000	210
	30 AR 1260-PEAK2	9.432	9.431	0.001	66212840	200.000	200
	31 AR 1260-PEAK3	9.592	9.591	0.001	76270763	200.000	200
	32 AR 1260-PEAK4	10.795	10.793	0.002	136353788	200.000	200

169718

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a020.d
Date : 30-DEC-2007 22:23
Client ID:
Instrument: gcsv16a.i
Sample Info: 1202x1 200
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



169719

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a021.d
Report Date: 09-Jan-2008 07:37

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a021.d
Lab Smp Id: 1203
Inj Date : 30-DEC-2007 22:42
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 400
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 07:37 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 12:53 Cal File: sv16a029.d
Als bottle: 21 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

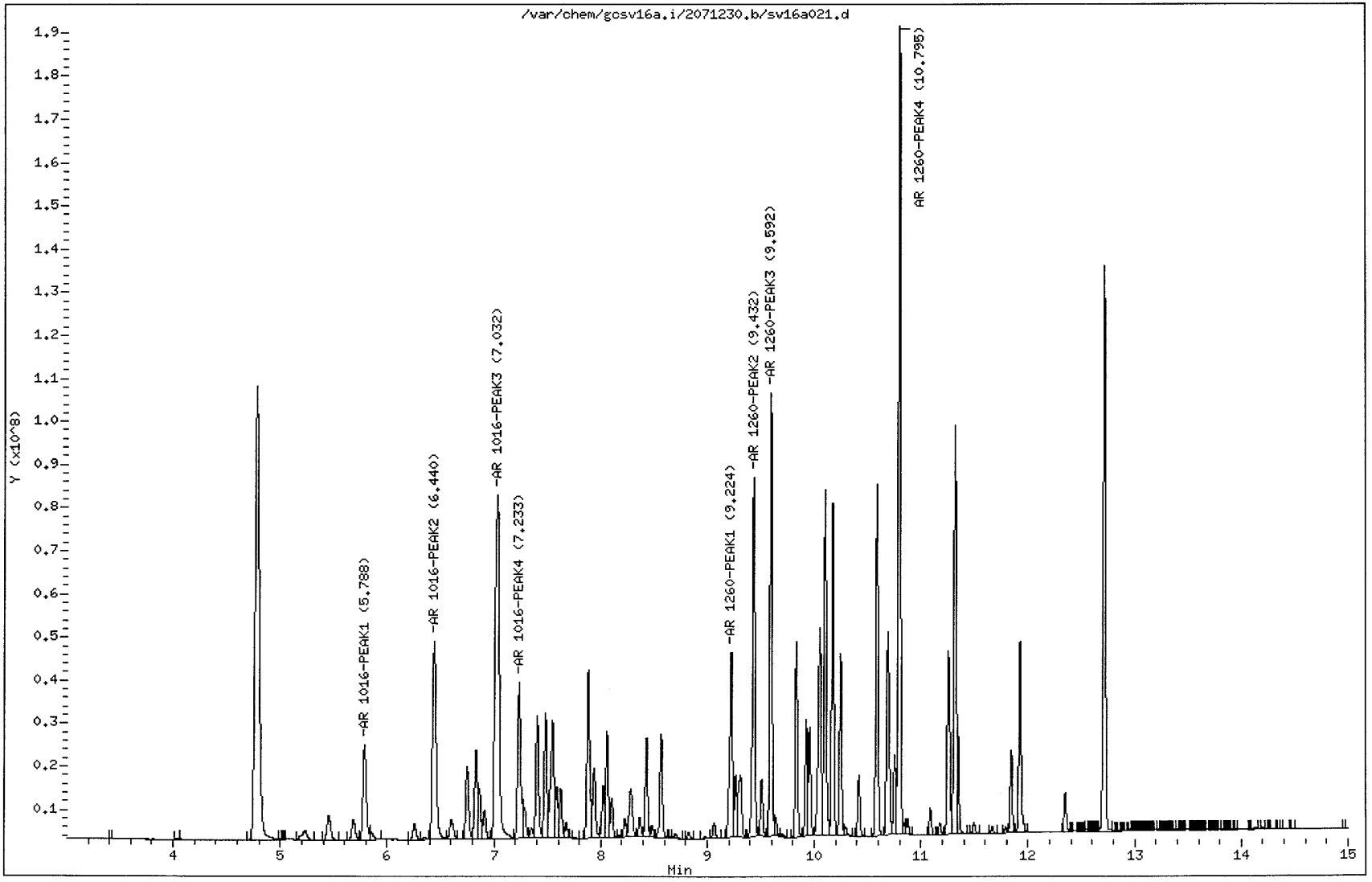
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

						AMOUNTS	
						CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(UG/L)	(UG/L)
M 23 AR 1016-AVG				458329927		400.000	390
24 AR 1016-PEAK1	5.788	5.788	0.000	49286905		400.000	390
25 AR 1016-PEAK2	6.440	6.440	0.000	111983484		400.000	390
26 AR 1016-PEAK3	7.032	7.032	0.000	223747880		400.000	390
27 AR 1016-PEAK4	7.233	7.232	0.001	73311658		400.000	390
M 28 AR 1260-AVG				618906064		400.000	390
29 AR 1260-PEAK1	9.224	9.223	0.001	77515449		400.000	390
30 AR 1260-PEAK2	9.432	9.432	0.000	126404593		400.000	390
31 AR 1260-PEAK3	9.592	9.592	0.000	147392261		400.000	390
32 AR 1260-PEAK4	10.795	10.794	0.001	267593761		400.000	400

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a021.d
Date : 30-DEC-2007 22:42
Client ID:
Sample Info: 1203*1 400
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv16a.i/2071230.b/sv16a022.d
Report Date: 09-Jan-2008 07:37

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a022.d
Lab Smp Id: 1204
Inj Date : 30-DEC-2007 23:01
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1204*1 800
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 07:37 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 13:11 Cal File: sv16a030.d
Als bottle: 22 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

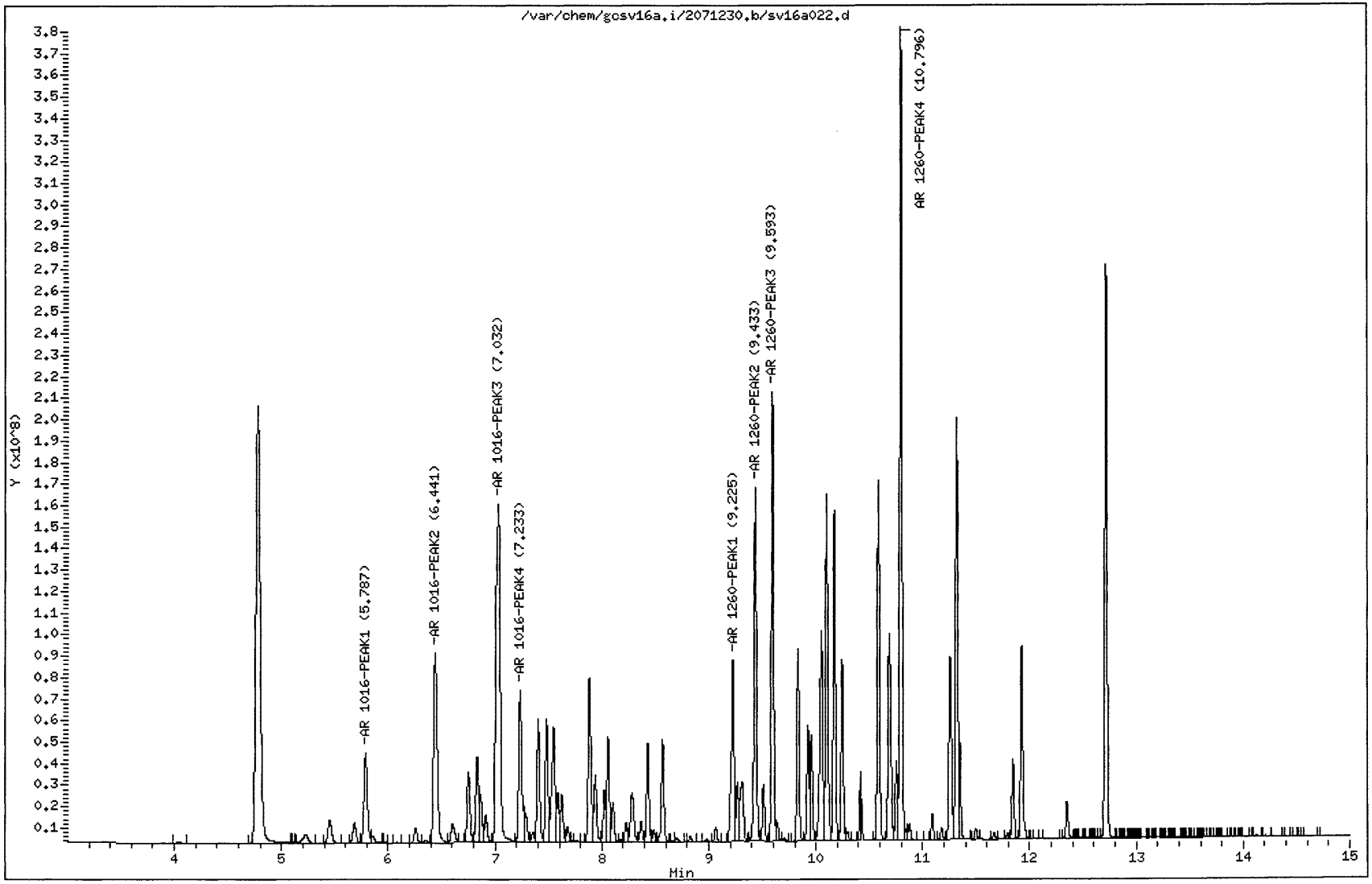
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 23 AR 1016-AVG				883726617	800.000	750
24 AR 1016-PEAK1	5.787	5.788	-0.001	92751275	800.000	730
25 AR 1016-PEAK2	6.441	6.440	0.001	212322501	800.000	740
26 AR 1016-PEAK3	7.032	7.032	0.000	435585456	800.000	760
27 AR 1016-PEAK4	7.233	7.232	0.001	143067385	800.000	770
M 28 AR 1260-AVG				1233847539	800.000	790
29 AR 1260-PEAK1	9.225	9.223	0.002	152162268	800.000	770
30 AR 1260-PEAK2	9.433	9.432	0.001	247975246	800.000	760
31 AR 1260-PEAK3	9.593	9.592	0.001	291333137	800.000	780
32 AR 1260-PEAK4	10.796	10.794	0.002	542376888	800.000	810

169722

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a022.d
Date : 30-DEC-2007 23:01
Client ID:
Sample Info: 1204*1 800
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv16a.i/2071230.b/sv16a023.d
Report Date: 09-Jan-2008 07:37

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a023.d
Lab Smp Id: 1205
Inj Date : 30-DEC-2007 23:19
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1205*1 80-8-4
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 07:37 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 13:30 Cal File: sv16a031.d
Als bottle: 23 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

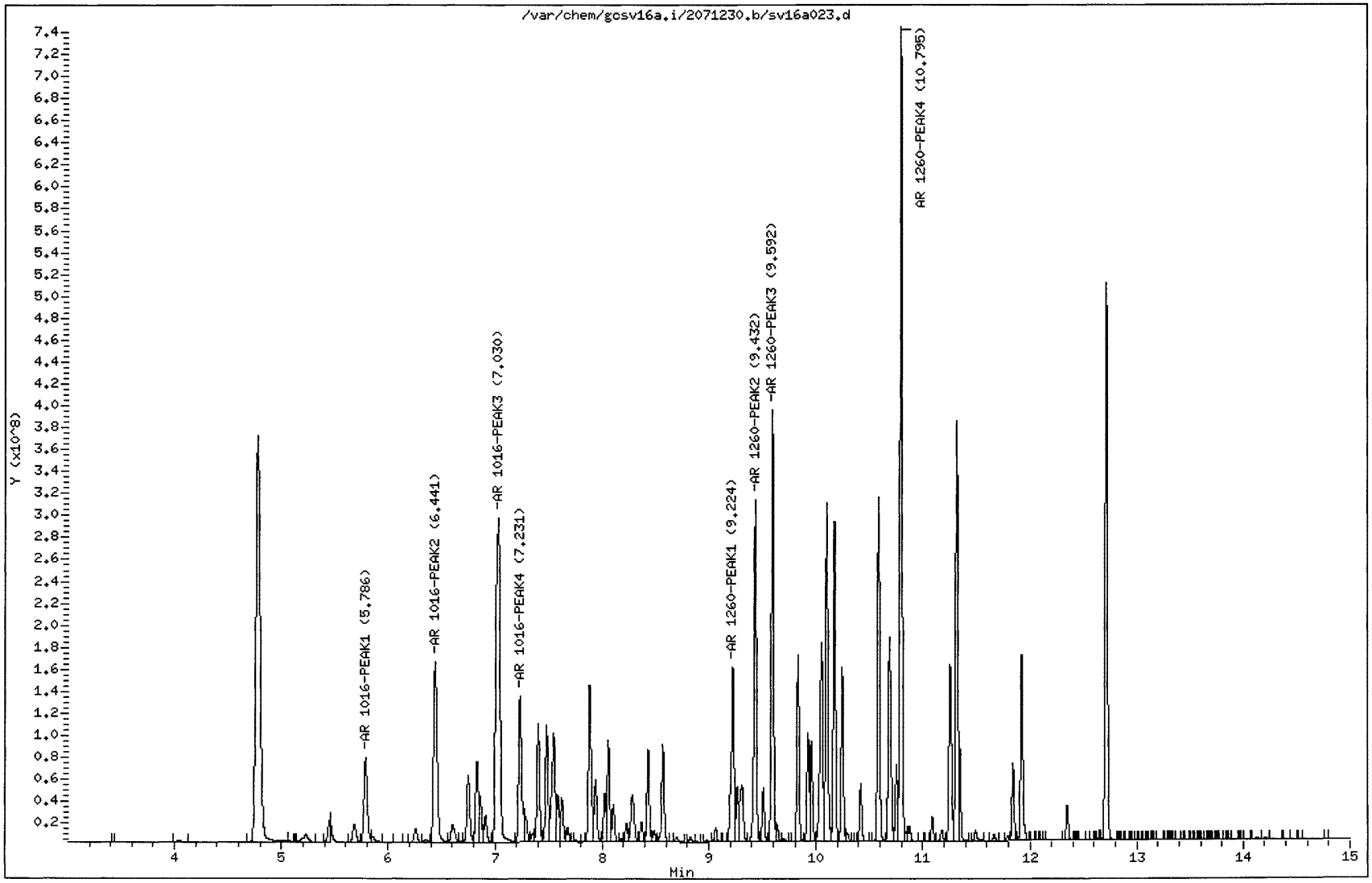
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				1621623658	1600.00	1400
	24 AR 1016-PEAK1	5.786	5.788	-0.002	166279241	1600.00	1300
	25 AR 1016-PEAK2	6.441	6.440	0.001	384424719	1600.00	1300
	26 AR 1016-PEAK3	7.030	7.032	-0.002	805280155	1600.00	1400
	27 AR 1016-PEAK4	7.231	7.232	-0.001	265639543	1600.00	1400
M	28 AR 1260-AVG				2334927022	1600.00	1500
	29 AR 1260-PEAK1	9.224	9.223	0.001	283336811	1600.00	1400
	30 AR 1260-PEAK2	9.432	9.432	0.000	463814629	1600.00	1400
	31 AR 1260-PEAK3	9.592	9.592	0.000	545750950	1600.00	1500
	32 AR 1260-PEAK4	10.795	10.794	0.001	1042024632	1600.00	1600

169724

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a023.d
Date : 30-DEC-2007 23:19
Client ID:
Sample Info: 1205x1 80-8-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv16a.i/2071230.b/sv16a024.d
Report Date: 09-Jan-2008 07:37

GCAL, Inc.

RECOVERY REPORT

Client Name: Client SDG: 2071230
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: 1600
Level: LOW Operator: tls
Data Type: GC MULTI COMP SampleType: LCS
SpikeList File: pcbicv.spk Quant Type: ESTD
Sublist File: aro1260.sub
Method File: /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
M 23 AR 1016-AVG	400	350	86.75	80-120
M 28 AR 1260-AVG	400	370	92.60	80-120

169726

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a024.d
Report Date: 09-Jan-2008 07:37

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2071230.b/sv16a024.d
Lab Smp Id: 1600
Inj Date : 30-DEC-2007 23:38
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1600*1 80-6-10
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Meth Date : 09-Jan-2008 07:37 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 13:30 Cal File: sv16a031.d
Als bottle: 24 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (mL)
Vo	1.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

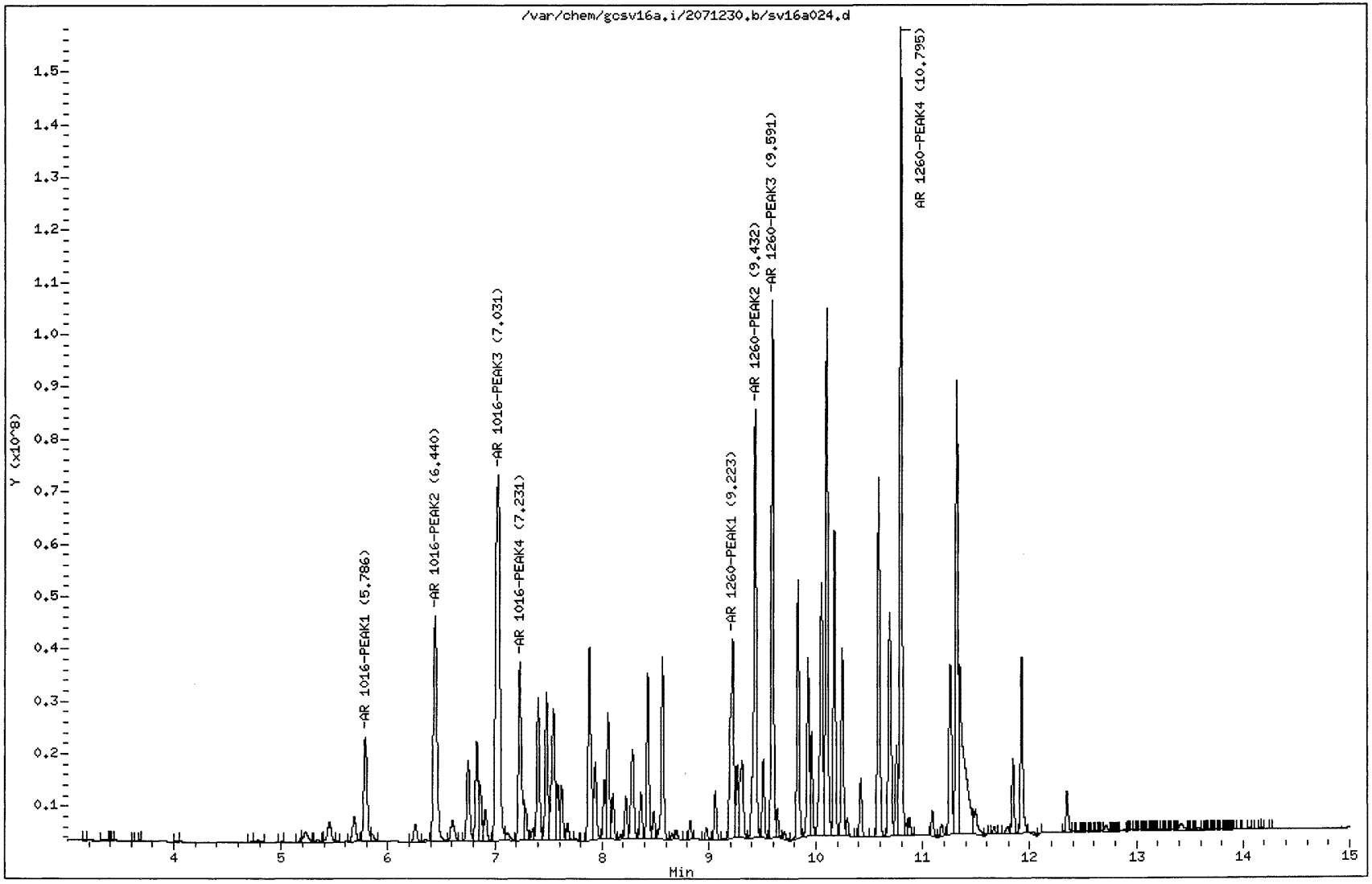
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
M 23 AR 1016-AVG				406980653	346.993	350
24 AR 1016-PEAK1	5.786	5.788	-0.002	44061220	346.332	350
25 AR 1016-PEAK2	6.440	6.440	0.000	101165132	352.721	350
26 AR 1016-PEAK3	7.031	7.032	-0.001	194873681	340.532	340
27 AR 1016-PEAK4	7.231	7.232	-0.001	66880620	358.457	360
M 28 AR 1260-AVG				581549501	370.411	370
29 AR 1260-PEAK1	9.223	9.223	0.000	86020562	434.852	430
30 AR 1260-PEAK2	9.432	9.432	0.000	133222269	408.368	410
31 AR 1260-PEAK3	9.591	9.592	-0.001	144942181	387.396	390
32 AR 1260-PEAK4	10.795	10.794	0.001	217364489	323.546	320

169727

Data File: /var/chem/gcsv16a.i/2071230.b/sv16a024.d
Date : 30-DEC-2007 23:38
Client ID:
Sample Info: 1600x1 80-6-10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv16a.i/2080104.b/sv16a004.d
Report Date: 07-Jan-2008 10:57

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 04-JAN-2008 11:11
Lab File ID: sv16a004.d Init. Cal. Date(s): 30-DEC-2007 31-DEC-2007
Analysis Type: WATER Init. Cal. Times: 17:05 13:30
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080104.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	1172877	1091908	0.010	6.90342	15.00000	Averaged
24 AR 1016-PEAK1	127222	117995	0.010	7.25309	15.00000	Averaged
25 AR 1016-PEAK2	286813	272064	0.010	5.14241	15.00000	Averaged
26 AR 1016-PEAK3	572262	529736	0.010	7.43131	15.00000	Averaged
27 AR 1016-PEAK4	186579	172114	0.010	7.75293	15.00000	Averaged
M 28 AR 1260-AVG	1570011	1470199	0.010	6.35743	15.00000	Averaged
29 AR 1260-PEAK1	197816	182491	0.010	7.74700	15.00000	Averaged
30 AR 1260-PEAK2	326231	301451	0.010	7.59563	15.00000	Averaged
31 AR 1260-PEAK3	374144	350016	0.010	6.44883	15.00000	Averaged
32 AR 1260-PEAK4	671820	636240	0.010	5.29612	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 6.79282
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

169729

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a004.d
Report Date: 09-Jan-2008 07:39

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a004.d
Lab Smp Id: 1400
Inj Date : 04-JAN-2008 11:11
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-12-5
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 09-Jan-2008 07:36 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

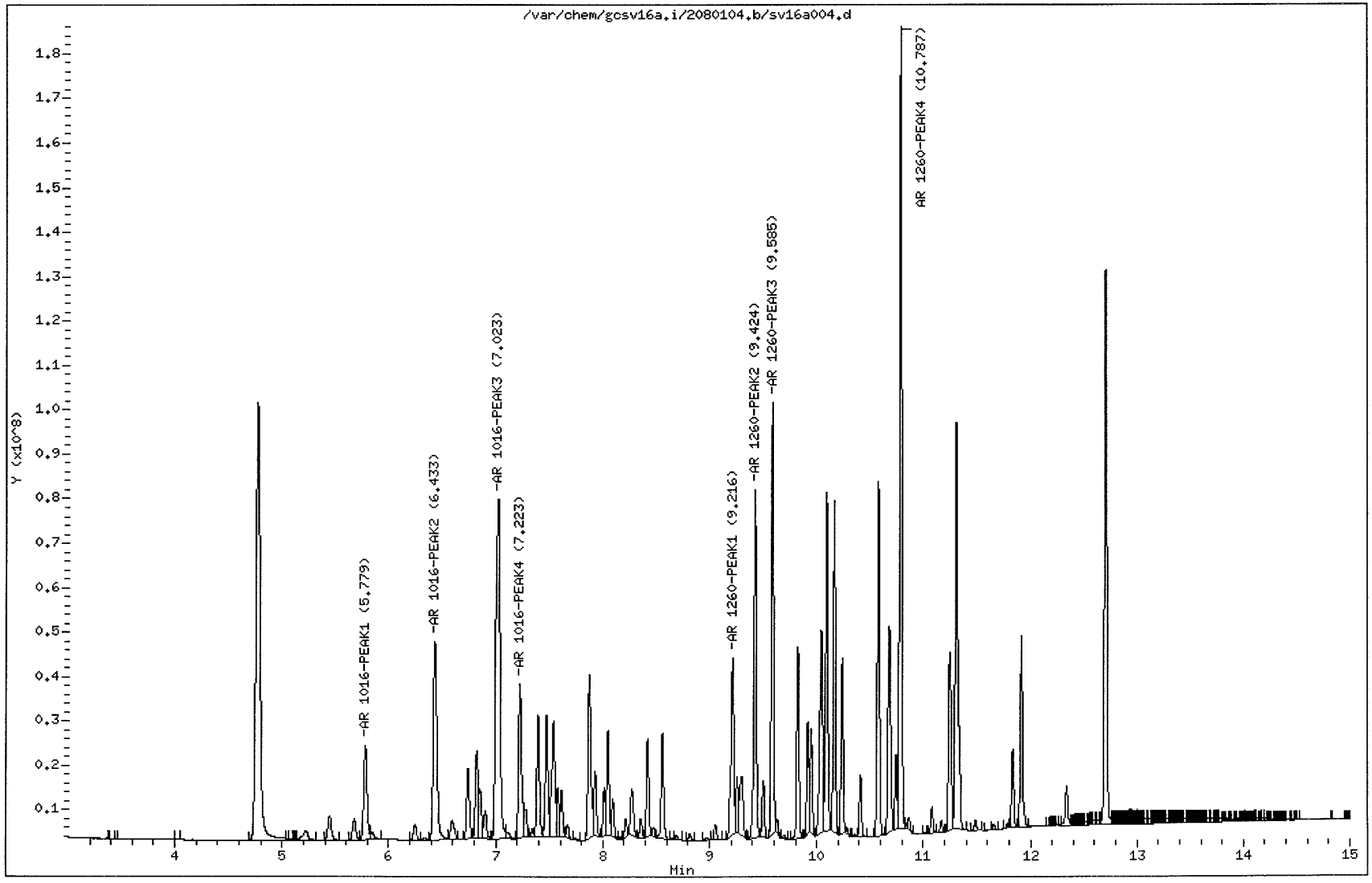
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 23 AR 1016-AVG				436763364	400.000	370
24 AR 1016-PEAK1	5.779	5.787	-0.008	47197931	400.000	370
25 AR 1016-PEAK2	6.433	6.438	-0.005	108825610	400.000	380
26 AR 1016-PEAK3	7.023	7.030	-0.007	211894233	400.000	370
27 AR 1016-PEAK4	7.223	7.230	-0.007	68845590	400.000	370
M 28 AR 1260-AVG				588079424	400.000	370
29 AR 1260-PEAK1	9.216	9.221	-0.005	72996353	400.000	370
30 AR 1260-PEAK2	9.424	9.430	-0.006	120580550	400.000	370
31 AR 1260-PEAK3	9.585	9.590	-0.005	140006594	400.000	370
32 AR 1260-PEAK4	10.787	10.792	-0.005	254495927	400.000	380

169730

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a004.d
Date : 04-JAN-2008 11:11
Client ID:
Sample Info: 1400x1 80-12-5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv16a.i/2080104.b/sv16a017.d
Report Date: 07-Jan-2008 10:57

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 04-JAN-2008 16:12
Lab File ID: sv16a017.d Init. Cal. Date(s): 30-DEC-2007 31-DEC-2007
Analysis Type: WATER Init. Cal. Times: 17:05 13:30
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080104.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	1172877	1081277	0.010	7.80990	15.00000	Averaged
24 AR 1016-PEAK1	127222	116244	0.010	8.62946	15.00000	Averaged
25 AR 1016-PEAK2	286813	267379	0.010	6.77573	15.00000	Averaged
26 AR 1016-PEAK3	572262	526300	0.010	8.03169	15.00000	Averaged
27 AR 1016-PEAK4	186579	171353	0.010	8.16056	15.00000	Averaged
M 28 AR 1260-AVG	1570011	1439042	0.010	8.34189	15.00000	Averaged
29 AR 1260-PEAK1	197816	178208	0.010	9.91208	15.00000	Averaged
30 AR 1260-PEAK2	326231	295125	0.010	9.53498	15.00000	Averaged
31 AR 1260-PEAK3	374144	337798	0.010	9.71456	15.00000	Averaged
32 AR 1260-PEAK4	671820	627912	0.010	6.53574	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 8.34466
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

169732

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a017.d
Report Date: 09-Jan-2008 07:39

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a017.d
Lab Smp Id: 1400
Inj Date : 04-JAN-2008 16:12
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-12-5
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 09-Jan-2008 07:36 dlb Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

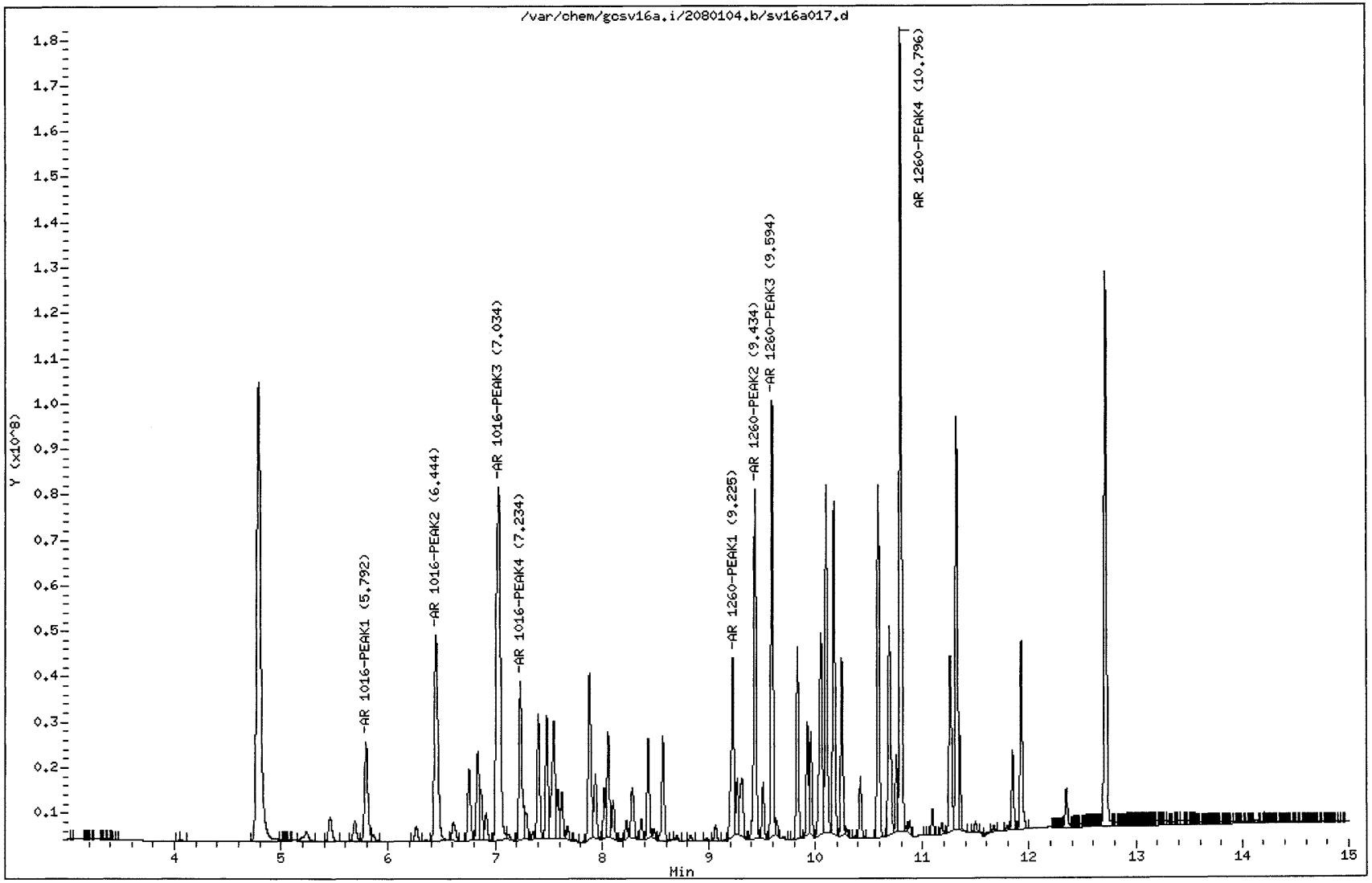
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				432510605	400.000	370
	24 AR 1016-PEAK1	5.792	5.787	0.005	46497508	400.000	370
	25 AR 1016-PEAK2	6.444	6.438	0.006	106951781	400.000	370
	26 AR 1016-PEAK3	7.034	7.030	0.004	210519944	400.000	370
	27 AR 1016-PEAK4	7.234	7.230	0.004	68541372	400.000	370
M	28 AR 1260-AVG				575616917	400.000	370
	29 AR 1260-PEAK1	9.225	9.221	0.004	71283203	400.000	360
	30 AR 1260-PEAK2	9.434	9.430	0.004	118049847	400.000	360
	31 AR 1260-PEAK3	9.594	9.590	0.004	135119165	400.000	360
	32 AR 1260-PEAK4	10.796	10.792	0.004	251164702	400.000	370

169733

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a017.d
Date : 04-JAN-2008 16:12
Client ID:
Sample Info: 1400*1 80-12-5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: MB559288

Lab Code: LA024 | Case No.: | Contract:

Matrix: Water | SAS No.: | SDG No.: 207122020

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 559288

Level: (low/med) LOW | Date Collected: | Time:

% Moisture: | decanted: (Y/N) | Date Received:

GC Column: RTX-XLB-30 | ID: .25 (mm) | Date Extracted: 12/25/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/28/07 | Time: 1225

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3510C

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 364076 | Analytical Batch: 364420 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18B

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2071228/sv18b005

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
11104-28-2	Aroclor-1221	0.000500	U	0.000115	0.000500
11141-16-5	Aroclor-1232	0.000500	U	0.000100	0.000500
53469-21-9	Aroclor-1242	0.000500	U	0.000125	0.000500
12672-29-6	Aroclor-1248	0.000500	U	0.000065	0.000500
11097-69-1	Aroclor-1254	0.000500	U	0.000105	0.000500
12674-11-2	Aroclor-1016	0.000500	U	0.000125	0.000500
11096-82-5	Aroclor-1260	0.000500	U	0.000120	0.000500

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b005.d
Report Date: 31-Dec-2007 10:40

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071228.b/sv18b005.d
Lab Smp Id: 559288
Inj Date : 28-DEC-2007 12:25
Operator : tls Inst ID: gcsv18b.i
Smp Info : 559288*1 mb w
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Meth Date : 31-Dec-2007 10:36 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:58 Cal File: sv18b025.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

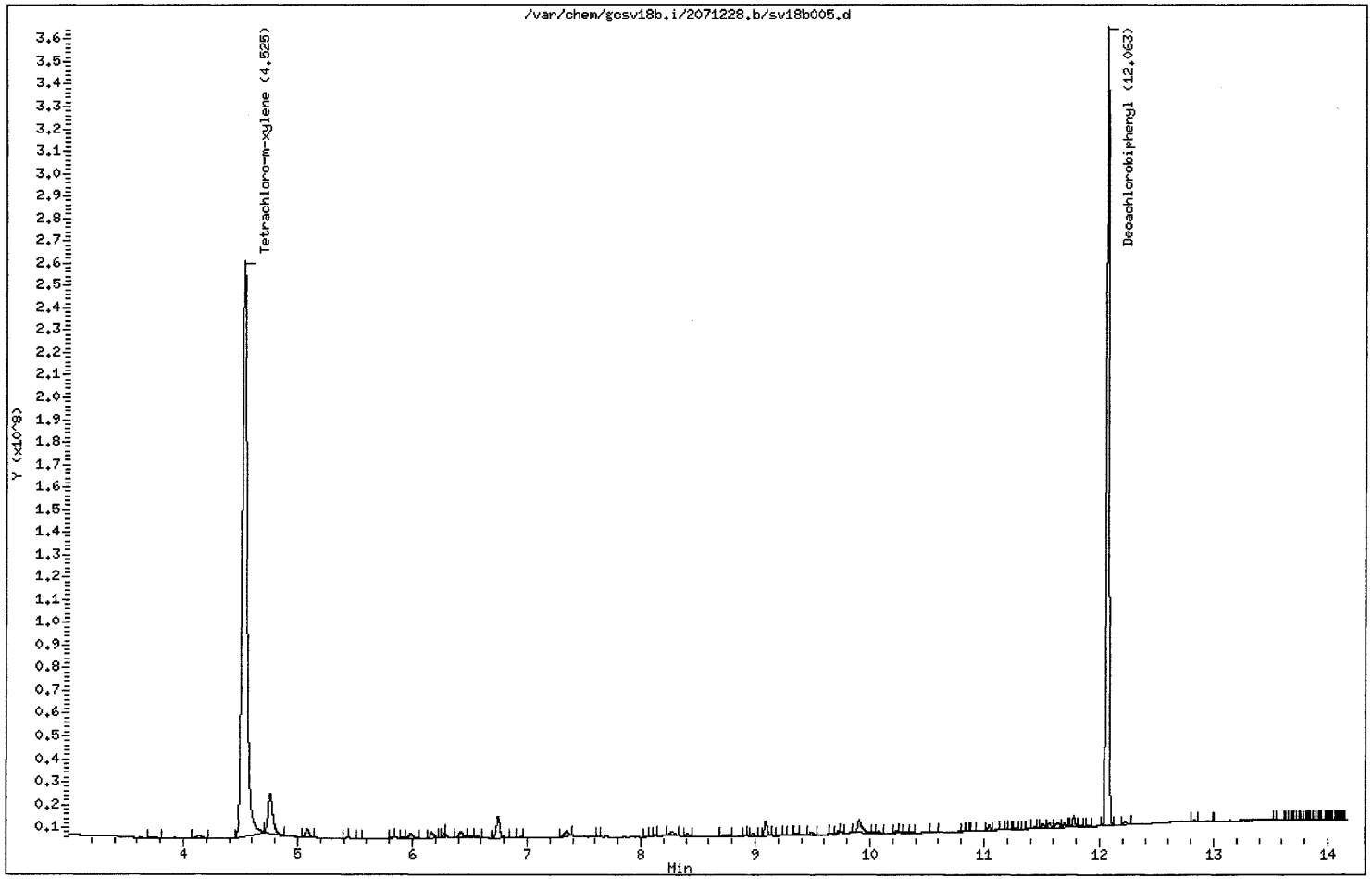
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/L)
$ 1 Tetrachloro-m-xylene	4.525	4.522	0.003	755214488	97.5461	0.49
$ 22 Decachlorobiphenyl	12.063	12.062	0.001	512512712	88.4736	0.44

169736

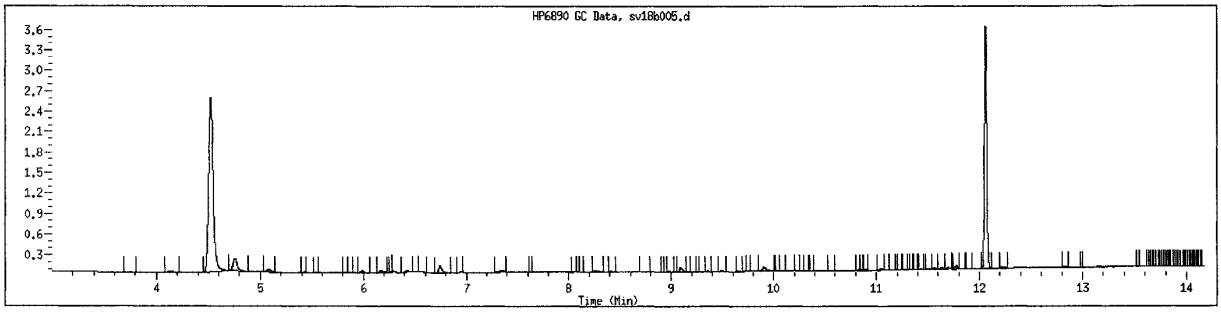
Data File: /var/chem/gcsv18b.i/2071228.b/sv18b005.d
Date : 28-DEC-2007 12:25
Client ID:
Instrument: gcsv18b.i
Sample Info: 559288M1 mb w
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-XLB-30M
Column diameter: 0.32



Data file : /var/chem/gcsv18b.i/2071228.b/sv18b005.d Page: 1
Report Date: 12/31/2007 10:40

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 559288 SampleType : SAMPLE
Injection Date: 12/28/2007 12:25 Instrument : gcsv18b.i
Operator : tls
Sample Info : 559288*1 mb w
Misc Info :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: all



NO MANUAL INTEGRATIONS

169738

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: MB560399

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30 | Units: g | Lab Sample ID: 560399

Level: (low/med) LOW | Date Collected: | Time:

% Moisture: | decanted: (Y/N) | Date Received:

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/31/07 | Time: 1401

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: SMH

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 364402 | Analytical Batch: 364685 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2071231/sv18a008

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
11104-28-2	Aroclor-1221	0.020	U	0.00471	0.020
11141-16-5	Aroclor-1232	0.020	U	0.00476	0.020
53469-21-9	Aroclor-1242	0.020	U	0.00545	0.020
12672-29-6	Aroclor-1248	0.020	U	0.00303	0.020
11097-69-1	Aroclor-1254	0.020	U	0.00476	0.020
12674-11-2	Aroclor-1016	0.020	U	0.00153	0.020
11096-82-5	Aroclor-1260	0.020	U	0.00196	0.020

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a008.d
Report Date: 07-Jan-2008 10:53

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071231.b/sv18a008.d
Lab Smp Id: 560399
Inj Date : 31-DEC-2007 14:01
Operator : smh Inst ID: gcsv18a.i
Smp Info : 560399*1 mb s
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Meth Date : 07-Jan-2008 10:53 tls Quant Type: ESTD
Cal Date : 13-DEC-2007 18:05 Cal File: sv18a023.d
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

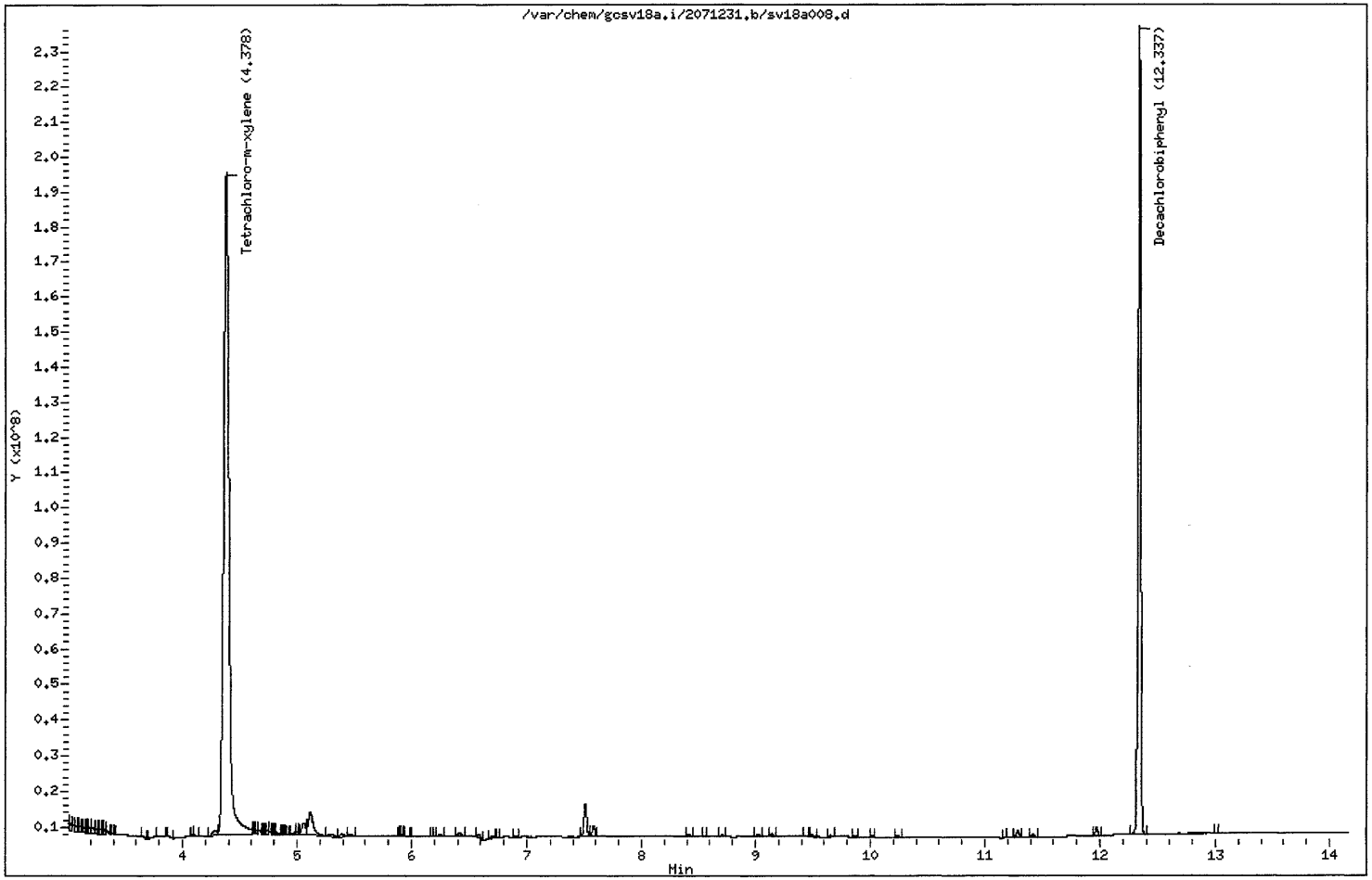
Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	4.378	4.378	0.000	588464532	84.2328	14
$ 22 Decachlorobiphenyl	12.337	12.338	-0.001	336974835	82.4798	14

169740

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a008.d
Date : 31-DEC-2007 14:01
Client ID:
Sample Info: 560399M1 mb s
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

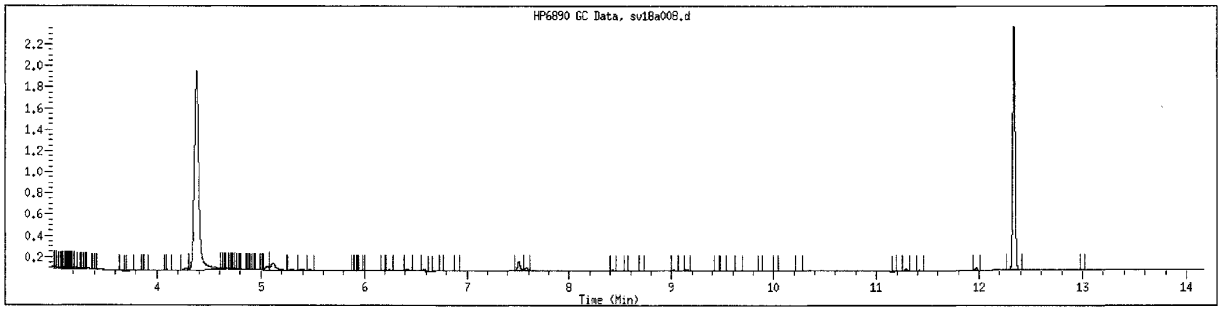
Instrument: gcsv18a.i
Operator: smh
Column diameter: 0.32



Data file : /var/chem/gcsv18a.i/2071231.b/sv18a008.d Page: 1
Report Date: 01/07/2008 10:53

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 560399 SampleType : BLANK
Injection Date: 12/31/2007 14:01 Instrument : gcsv18a.i
Operator : smh
Sample Info : 560399*1 mb s
Misc Info :
Method : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: all



NO MANUAL INTEGRATIONS

169742

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCS559289

Lab Code: LA024 | Case No.: | Contract:

Matrix: Water | SAS No.: | SDG No.: 207122020

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 559289

Level: (low/med) LOW | Date Collected: | Time:

% Moisture: | decanted: (Y/N) | Date Received:

GC Column: RTX-XLB-30 | ID: .25 (mm) | Date Extracted: 12/25/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/28/07 | Time: 1318

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3510C

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 364076 | Analytical Batch: 364420 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18B

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2071228/sv18b008

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.00376		0.000125	0.000500
11096-82-5	Aroclor-1260	0.00336		0.000120	0.000500

FORM I ORG-1

169743

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b008.d
Report Date: 31-Dec-2007 10:40

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071228.b/sv18b008.d
Lab Smp Id: 559289
Inj Date : 28-DEC-2007 13:18
Operator : tls Inst ID: gcsv18b.i
Smp Info : 559289*1 lcs
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Meth Date : 31-Dec-2007 10:36 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:58 Cal File: sv18b025.d
Als bottle: 8 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1260s.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
$	1 Tetrachloro-m-xylene	4.525	4.522	0.003	787060428	101.659	0.51(A)
$	22 Decachlorobiphenyl	12.062	12.062	0.000	541425540	93.4647	0.47
M	23 AR 1016-AVG				482364903	751.744	3.8
	24 AR 1016-PEAK1	5.144	5.143	0.001	97309139	664.093	3.3
	25 AR 1016-PEAK2	5.726	5.725	0.001	137915770	764.344	3.8
	26 AR 1016-PEAK3	6.987	6.986	0.001	120838401	781.802	3.9
	27 AR 1016-PEAK4	7.185	7.185	0.000	126301593	788.738	3.9
M	28 AR 1260-AVG				1309330153	672.875	3.4
	29 AR 1260-PEAK1	8.664	8.664	0.000	138553618	591.975	3.0
	30 AR 1260-PEAK2	8.794	8.793	0.001	306197504	811.622	4.1
	31 AR 1260-PEAK3	9.151	9.150	0.001	353931446	666.138	3.3
	32 AR 1260-PEAK4	10.312	10.311	0.001	510647585	635.739	3.2

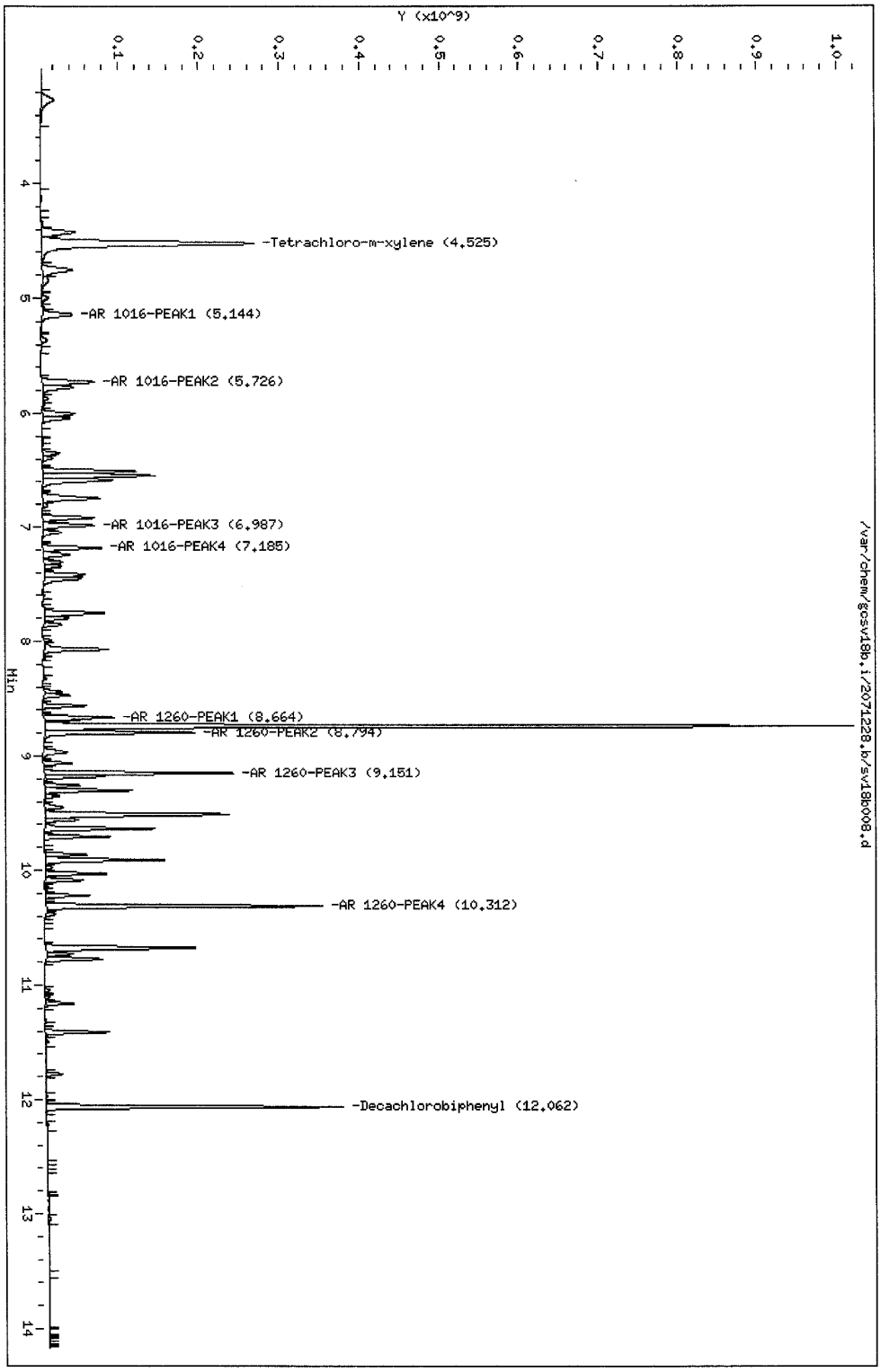
169744

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b008.d
Report Date: 31-Dec-2007 10:40

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.

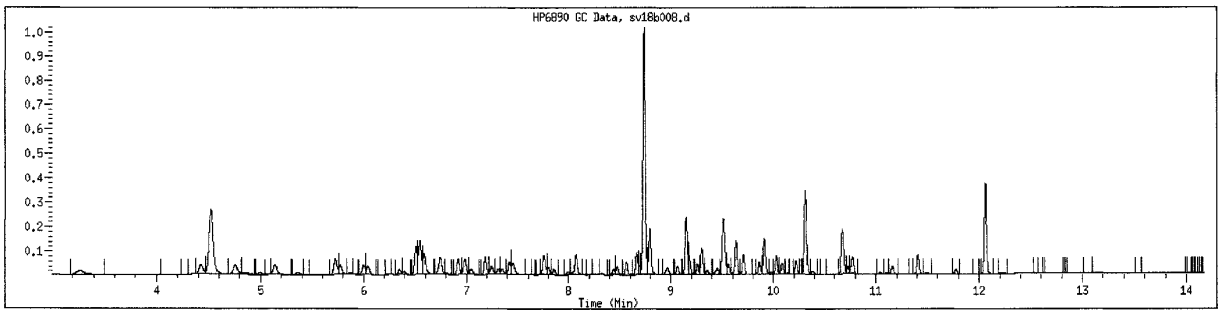
169745


Data File: /var/chem/gcsv18b.i/20071228.b/sv18b008.d
Date : 28-DEC-2007 13:18
Client ID:
Sample Info: 559289m1 lcs
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M
Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32
Y (x10^9)
Min
-Tetrachloro-m-xylene (4.525)
-AR 1016-PEAK1 (5.144)
-AR 1016-PEAK2 (5.726)
-AR 1016-PEAK3 (6.987)
-AR 1016-PEAK4 (7.185)
-AR 1260-PEAK1 (8.664)
-AR 1260-PEAK2 (8.794)
-AR 1260-PEAK3 (9.151)
-AR 1260-PEAK4 (10.312)
-Decachlorobiphenyl (12.062)
/var/chem/gcsv18b.i/20071228.b/sv18b008.d

Data file : /var/chem/gcsv18b.i/2071228.b/sv18b008.d Page: 1
Report Date: 12/31/2007 10:40

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 559289 SampleType : LCS
Injection Date: 12/28/2007 13:18 Instrument : gcsv18b.i
Operator : tls
Sample Info : 559289*1 lcs
Misc Info :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: ar1260s



NO MANUAL INTEGRATIONS

169747

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCS560400

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30 | Units: g | Lab Sample ID: 560400

Level: (low/med) LOW | Date Collected: | Time:

% Moisture: | decanted: (Y/N) | Date Received:

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/31/07 | Time: 1455

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: SMH

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 364402 | Analytical Batch: 364685 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2071231/sv18a011

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.111		0.00153	0.020
11096-82-5	Aroclor-1260	0.113		0.00196	0.020

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a011.d
Report Date: 07-Jan-2008 10:53

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071231.b/sv18a011.d
Lab Smp Id: 560400
Inj Date : 31-DEC-2007 14:55
Operator : smh Inst ID: gcsv18a.i
Smp Info : 560400*1 lcs
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Meth Date : 07-Jan-2008 10:53 tls Quant Type: ESTD
Cal Date : 13-DEC-2007 18:05 Cal File: sv18a023.d
Als bottle: 11 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1260s.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

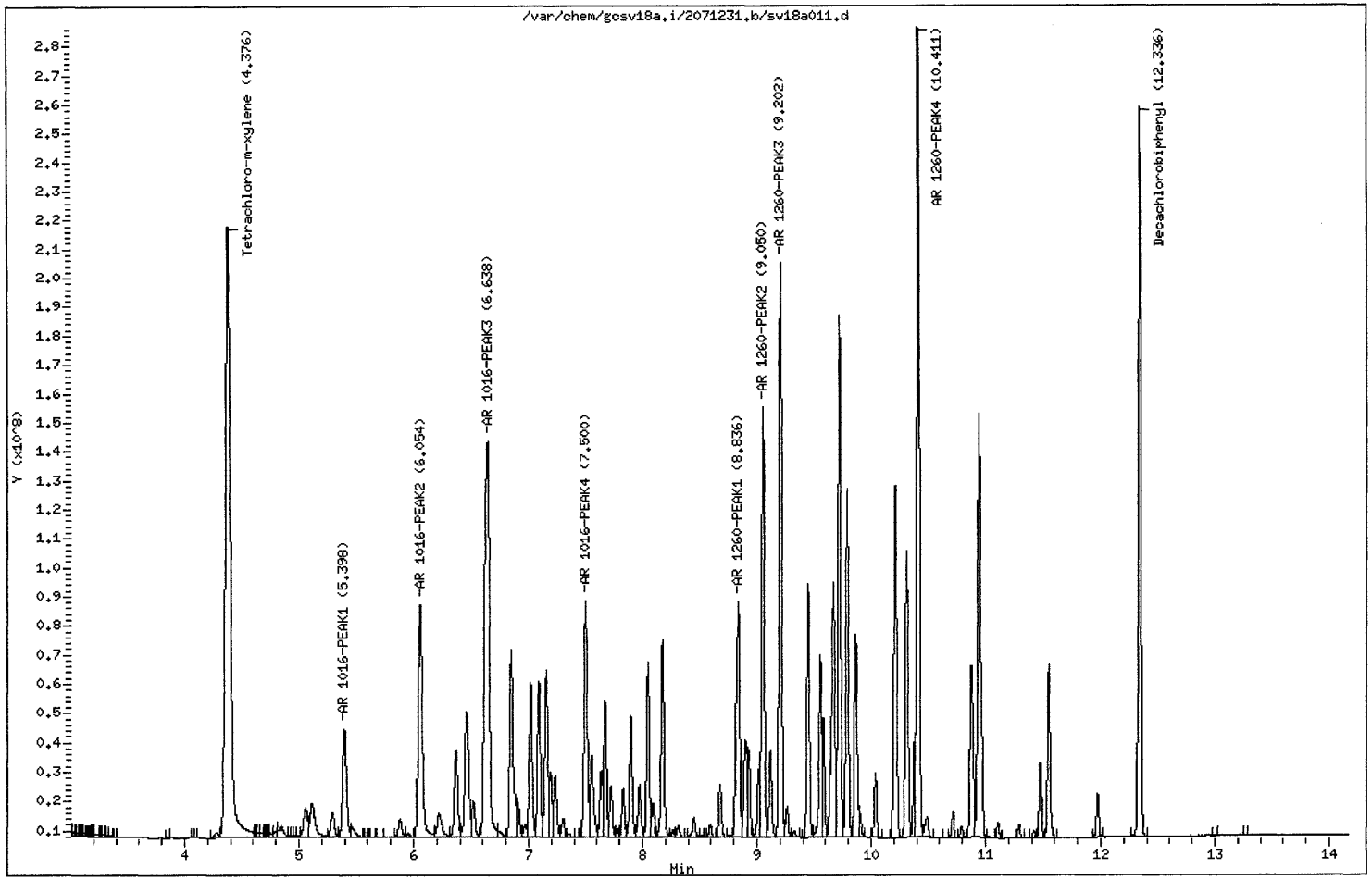
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	4.376	4.378	-0.002	642047572	91.9027	15
$	22 Decachlorobiphenyl	12.336	12.338	-0.002	370255774	90.6258	15
M	23 AR 1016-AVG				832462877	663.838	110
	24 AR 1016-PEAK1	5.398	5.403	-0.005	84257581	624.162	100
	25 AR 1016-PEAK2	6.054	6.059	-0.005	197057301	637.467	110
	26 AR 1016-PEAK3	6.638	6.642	-0.004	393613730	649.696	110
	27 AR 1016-PEAK4	7.500	7.502	-0.002	157534265	772.025	130
M	28 AR 1260-AVG				1132368671	678.431	110
	29 AR 1260-PEAK1	8.836	8.841	-0.005	172571988	826.767	140
	30 AR 1260-PEAK2	9.050	9.053	-0.003	233551136	733.244	120
	31 AR 1260-PEAK3	9.202	9.205	-0.003	297641604	734.049	120
	32 AR 1260-PEAK4	10.411	10.414	-0.003	428603943	582.048	97

169749

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a011.d
Date : 31-DEC-2007 14:55
Client ID:
Sample Info: 560400M1 lcs
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

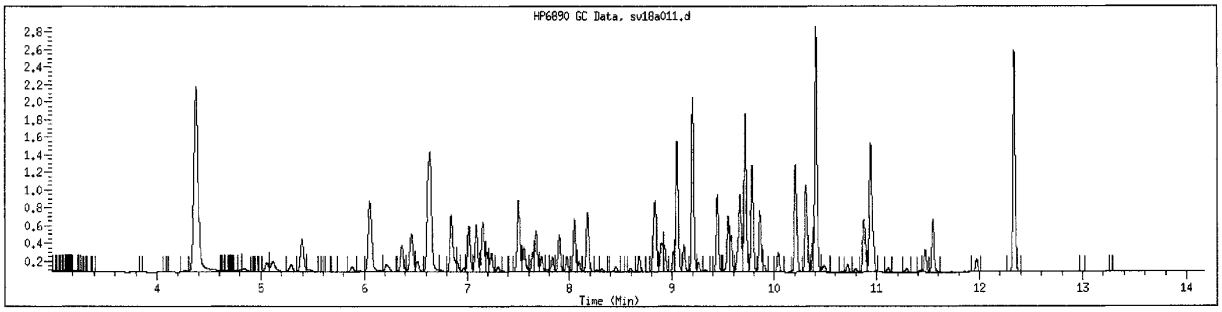
Operator: smh
Column diameter: 0.32



Data file : /var/chem/gcsv18a.i/2071231.b/sv18a011.d Page: 1
Report Date: 01/07/2008 10:53

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 560400 SampleType : LCS
Injection Date: 12/31/2007 14:55 Instrument : gcsv18a.i
Operator : smh
Sample Info : 560400*1 lcs
Misc Info :
Method : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: ar1260s



NO MANUAL INTEGRATIONS

169751

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCSD559290

Lab Code: LA024 | Case No.: | Contract:

Matrix: Water | SAS No.: | SDG No.: 207122020

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 559290

Level: (low/med) LOW | Date Collected: | Time:

% Moisture: | decanted: (Y/N) | Date Received:

GC Column: RTX-XLB-30 | ID: .25 (mm) | Date Extracted: 12/25/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/28/07 | Time: 1342

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3510C

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 364076 | Analytical Batch: 364420 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18B

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2071228/sv18b009

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.00349		0.000125	0.000500
11096-82-5	Aroclor-1260	0.00323		0.000120	0.000500

FORM I ORG-1

169752

Data File: /var/chem/gcsv18b.i/2071228.b/sv18b009.d
Report Date: 31-Dec-2007 10:40

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2071228.b/sv18b009.d
Lab Smp Id: 559290
Inj Date : 28-DEC-2007 13:42
Operator : tls Inst ID: gcsv18b.i
Smp Info : 559290*1 lcsd
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Meth Date : 31-Dec-2007 10:36 dlb Quant Type: ESTD
Cal Date : 13-DEC-2007 18:58 Cal File: sv18b025.d
Als bottle: 9 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1260s.sub
Target Version: 3.50
Processing Host: org.gcal.com

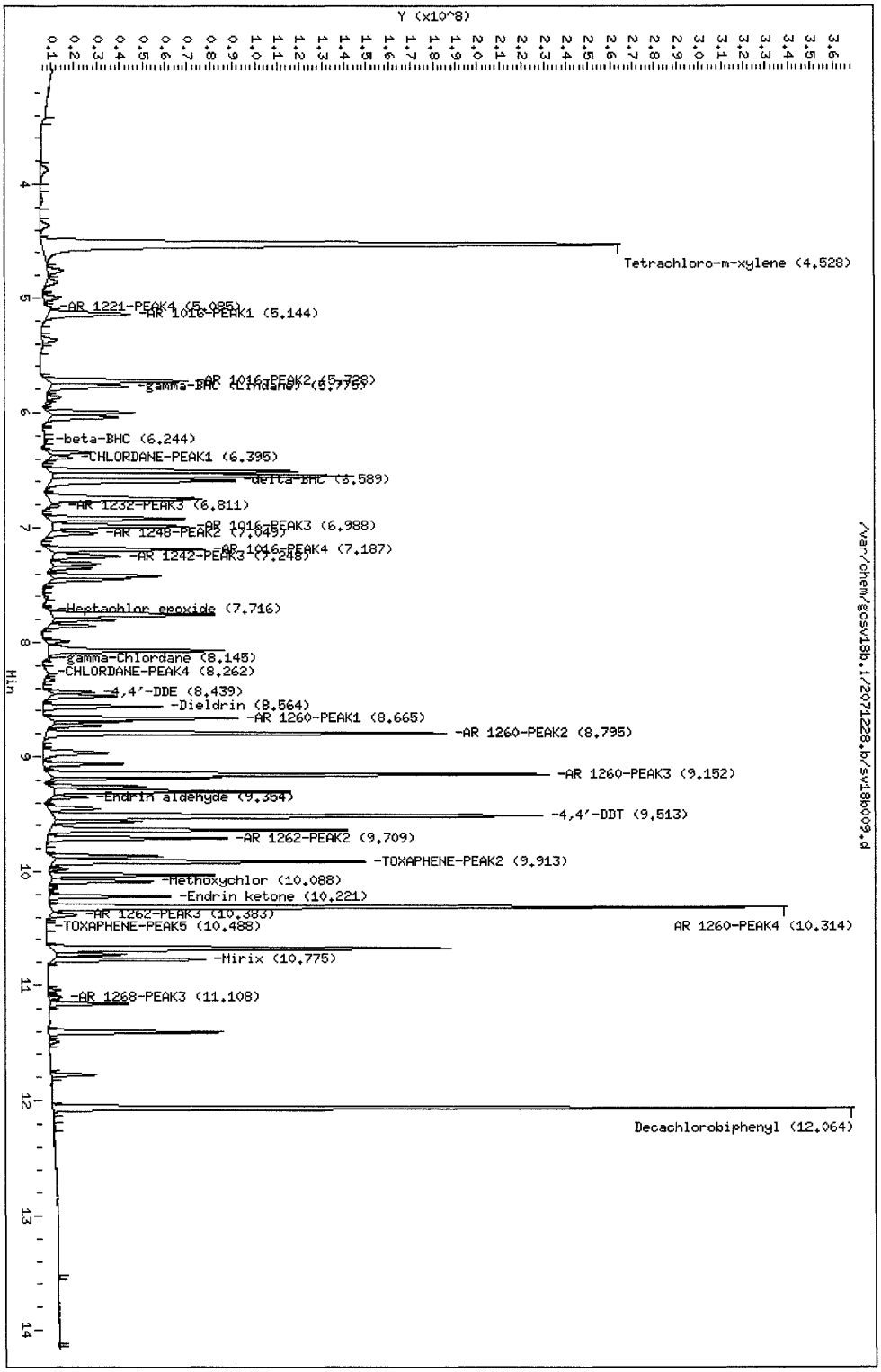
Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$	1 Tetrachloro-m-xylene	4.528	4.522	0.006	773638455	99.9258	0.50
$	22 Decachlorobiphenyl	12.064	12.062	0.002	528532697	91.2391	0.46
M	23 AR 1016-AVG				447565282	697.510	3.5
	24 AR 1016-PEAK1	5.144	5.143	0.001	86326590	589.142	2.9
	25 AR 1016-PEAK2	5.728	5.725	0.003	130479410	723.131	3.6
	26 AR 1016-PEAK3	6.988	6.986	0.002	111135907	719.029	3.6
	27 AR 1016-PEAK4	7.187	7.185	0.002	119623375	747.034	3.7
M	28 AR 1260-AVG				1258067227	646.531	3.2
	29 AR 1260-PEAK1	8.665	8.664	0.001	134740165	575.681	2.9
	30 AR 1260-PEAK2	8.795	8.793	0.002	280948804	744.696	3.7
	31 AR 1260-PEAK3	9.152	9.150	0.002	347186162	653.442	3.3
	32 AR 1260-PEAK4	10.314	10.311	0.003	495192096	616.497	3.1

169753



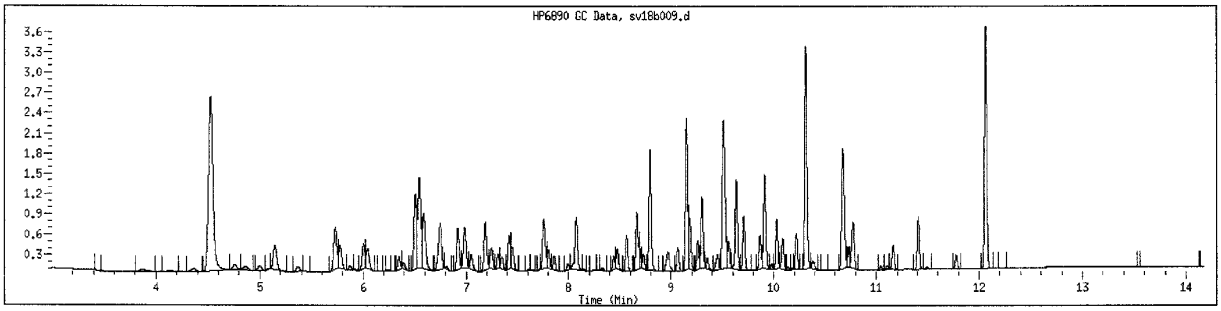
Data File: /var/chem/gcsv18b.i/20071228.b/sv18b0009.d
Date : 28-DEC-2007 13:42
Client ID:
Sample Info: 559290k1 lcsd
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32

Data file : /var/chem/gcsv18b.i/2071228.b/sv18b009.d Page: 1
Report Date: 12/31/2007 10:40

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 559290	SampleType	: LCSD
Injection Date	: 12/28/2007 13:42	Instrument	: gcsv18b.i
Operator	: tls		
Sample Info	: 559290*1 lcsd		
Misc Info	:		
Method	: /var/chem/gcsv18b.i/2071228.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: ar1260s



NO MANUAL INTEGRATIONS

169755

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-35MS-3 ID: .25 (mm)
Concentrated Extract Volume: 5000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 364402 Analytical Batch: 364685

Sample ID: LCSD560401
Contract:
SAS No.: SDG No.: 207122020
Lab Sample ID: 560401
Date Collected: Time:
Date Received:
Date Extracted: 12/30/07
Date Analyzed: 12/31/07 Time: 1512
Dilution Factor: 1 Analyst: SMH
Prep Method: 3550B
Analytical Method: SW-846 8082
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2071231/sv18a012

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.103		0.00153	0.020
11096-82-5	Aroclor-1260	0.109		0.00196	0.020

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a012.d
Report Date: 07-Jan-2008 10:53

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2071231.b/sv18a012.d
Lab Smp Id: 560401
Inj Date : 31-DEC-2007 15:12
Operator : smh Inst ID: gcsv18a.i
Smp Info : 560401*1 lcsd
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Meth Date : 07-Jan-2008 10:53 tls Quant Type: ESTD
Cal Date : 13-DEC-2007 18:05 Cal File: sv18a023.d
Als bottle: 12 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1260s.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

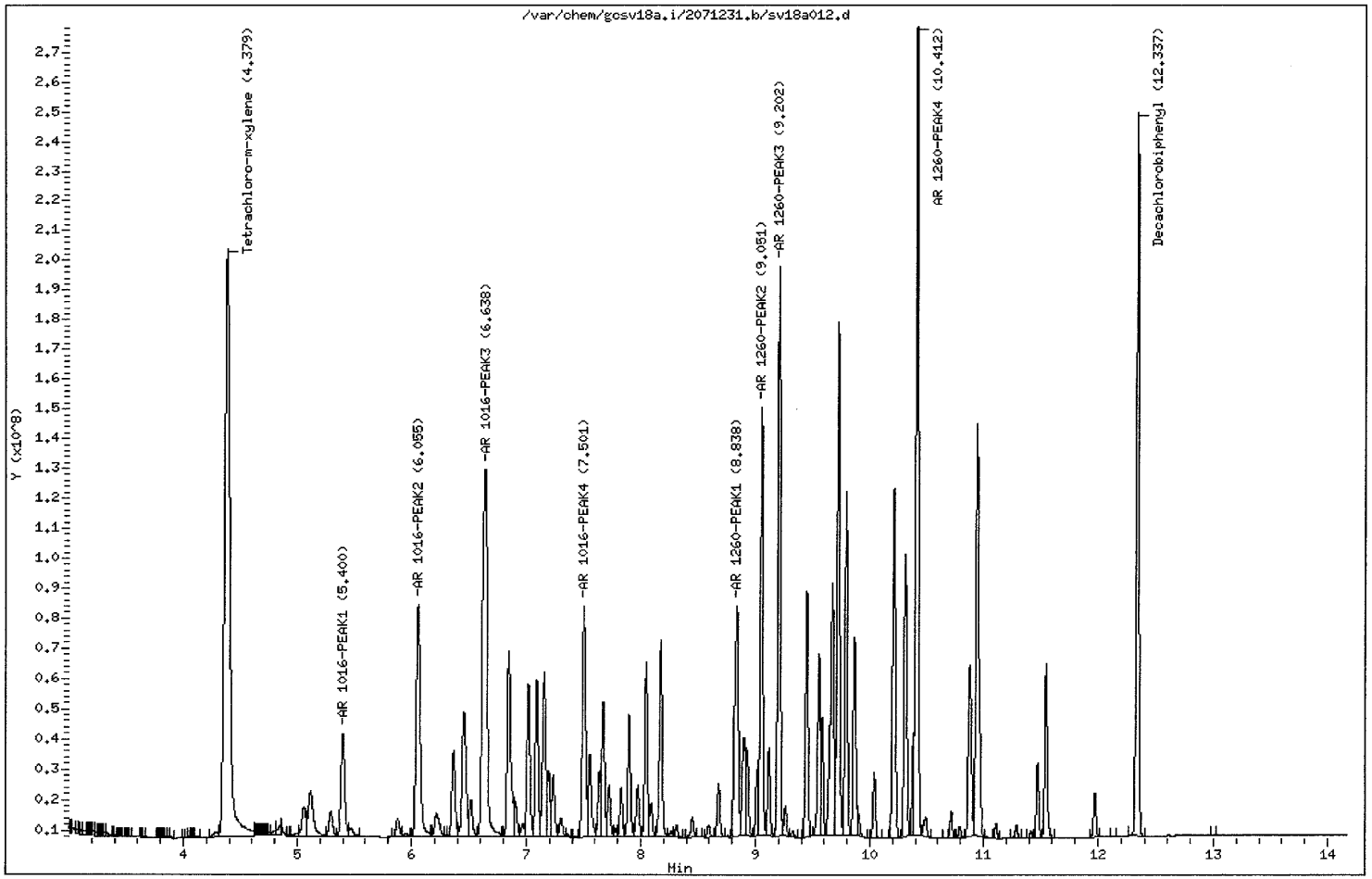
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	4.379	4.378	0.001	619566483	88.6848	15
$	22 Decachlorobiphenyl	12.337	12.338	-0.001	351688304	86.0812	14
M	23 AR 1016-AVG				772046154	615.659	100
	24 AR 1016-PEAK1	5.400	5.403	-0.003	77649831	575.214	96
	25 AR 1016-PEAK2	6.055	6.059	-0.004	189620021	613.408	100
	26 AR 1016-PEAK3	6.638	6.642	-0.004	352716795	582.191	97
	27 AR 1016-PEAK4	7.501	7.502	-0.001	152059507	745.195	120
M	28 AR 1260-AVG				1092735695	654.685	110
	29 AR 1260-PEAK1	8.838	8.841	-0.003	167211819	801.087	130
	30 AR 1260-PEAK2	9.051	9.053	-0.002	225686892	708.554	120
	31 AR 1260-PEAK3	9.202	9.205	-0.003	286098579	705.581	120
	32 AR 1260-PEAK4	10.412	10.414	-0.002	413738405	561.860	94

169757

Data File: /var/chem/gcsv18a.i/2071231.b/sv18a012.d
Date : 31-DEC-2007 15:12
Client ID:
Sample Info: 560401M1 lcsd
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

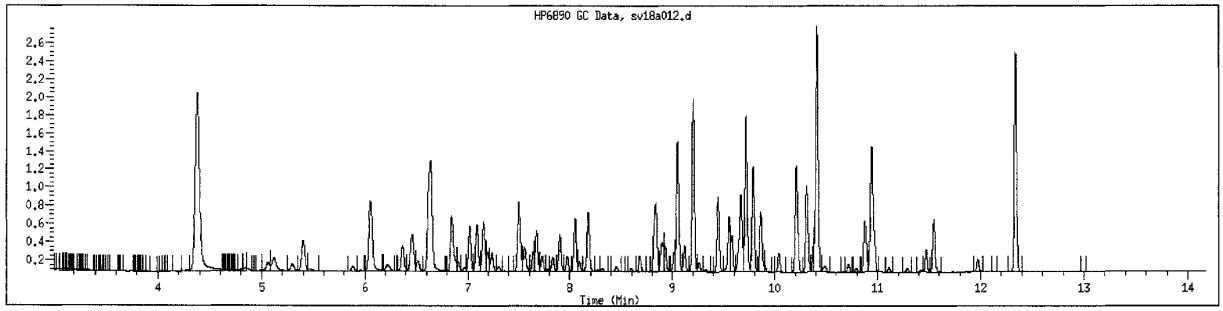
Instrument: gcsv18a.i
Operator: smh
Column diameter: 0.32



Data file : /var/chem/gcsv18a.i/2071231.b/sv18a012.d Page: 1
Report Date: 01/07/2008 10:53

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 560401 SampleType : LCSD
Injection Date: 12/31/2007 15:12 Instrument : gcsv18a.i
Operator : smh
Sample Info : 560401*1 lcsd
Misc Info :
Method : /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: ar1260s



NO MANUAL INTEGRATIONS

169759

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED9 MS (1-2)

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30.3 | Units: g | Lab Sample ID: 20712202002

Level: (low/med) LOW | Date Collected: 12/19/07 | Time: 1200

% Moisture: 18.0 | decanted: (Y/N) | Date Received: 12/20/07

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/08 | Time: 1312

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 364402 | Analytical Batch: 364685 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080104/sv16a009

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.200		0.00185	0.024
11104-28-2	Aroclor-1221	0.024	U	0.00569	0.024
11141-16-5	Aroclor-1232	0.024	U	0.00575	0.024
53469-21-9	Aroclor-1242	0.024	U	0.00658	0.024
12672-29-6	Aroclor-1248	0.024	U	0.00366	0.024
11097-69-1	Aroclor-1254	0.024	U	0.00575	0.024
11096-82-5	Aroclor-1260	0.217		0.00237	0.024

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a009.d
Report Date: 07-Jan-2008 10:57

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a009.d
Lab Smp Id: 20712202002
Inj Date : 04-JAN-2008 13:12
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20712202002*1ms
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:57 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 9 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.30000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	4.773	4.777	-0.004	967194299	129.058	21(A)
$	22 Decachlorobiphenyl	12.706	12.711	-0.005	731168326	138.560	23
M	23 AR 1016-AVG				1167799686	995.671	160
	24 AR 1016-PEAK1	5.779	5.787	-0.008	123544314	971.090	160
	25 AR 1016-PEAK2	6.432	6.439	-0.007	291298719	1015.64	170
	26 AR 1016-PEAK3	7.022	7.030	-0.008	567482790	991.648	160(M2)
	27 AR 1016-PEAK4	7.224	7.230	-0.006	185473863	994.075	160
M	28 AR 1260-AVG				1689770803	1076.28	180
	29 AR 1260-PEAK1	9.214	9.221	-0.007	173927154	879.239	150
	30 AR 1260-PEAK2	9.424	9.430	-0.006	399840417	1225.64	200
	31 AR 1260-PEAK3	9.584	9.590	-0.006	432717635	1156.55	190
	32 AR 1260-PEAK4	10.787	10.792	-0.005	683285597	1017.07	170

169761

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a009.d
Report Date: 07-Jan-2008 10:57

QC Flag Legend

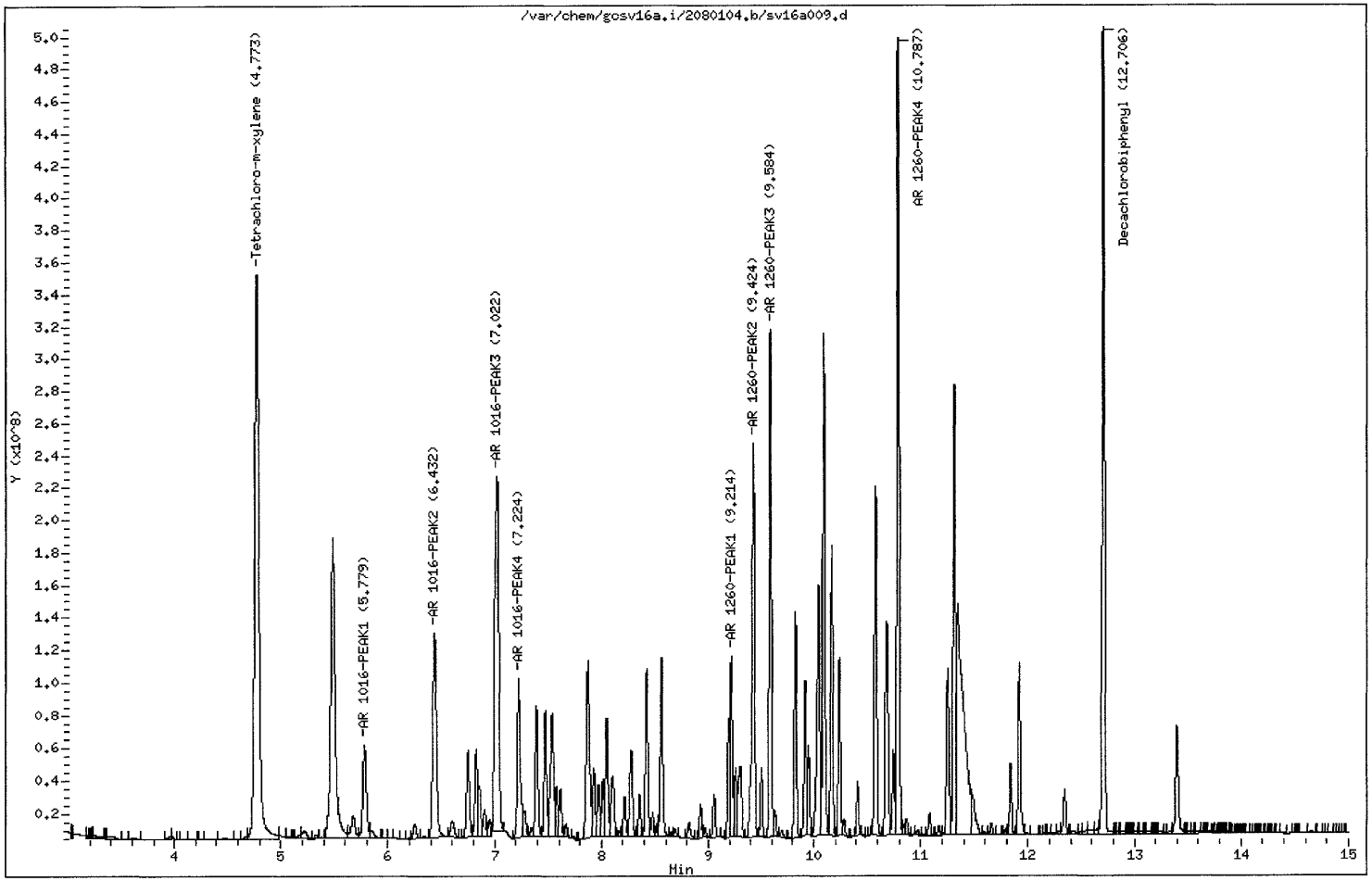
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M2- Compound response manually integrated because
    Target system integrated incorrectly.

169762

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a009.d
Date : 04-JAN-2008 13:12
Client ID:
Sample Info: 20712202002x1ms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

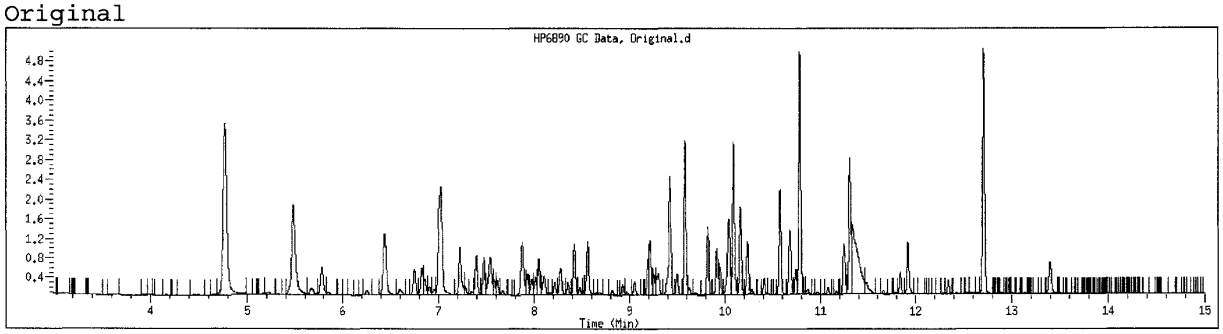


Data file : /var/chem/gcsv16a.i/2080104.b/sv16a009.d Page: 1
Report Date: 01/07/2008 10:57

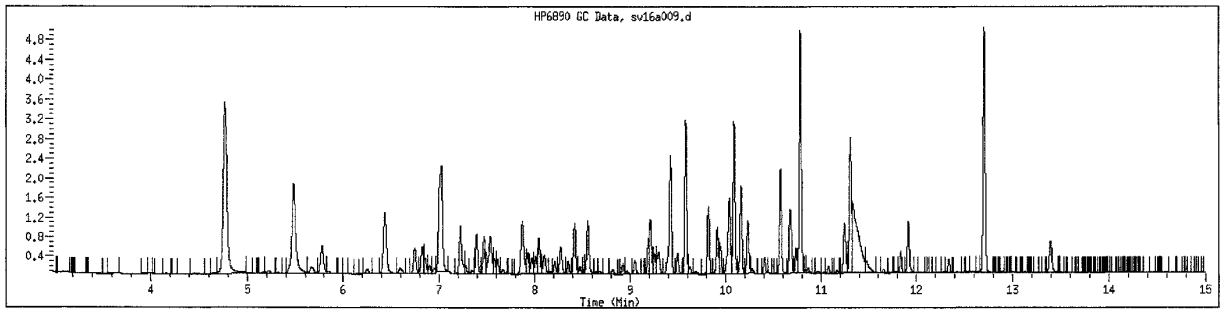
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20712202002	SampleType	: MS
Injection Date	: 01/04/2008 13:12	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 20712202002*1ms		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080104.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: Falcon	Compound Sublist	: pcb

Original



Final



169764

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED9 MSD (1-2)

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 207122020

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20712202003

Level: (low/med) LOW | Date Collected: 12/19/07 | Time: 1200

% Moisture: 18.0 | decanted: (Y/N) | Date Received: 12/20/07

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/30/07

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/08 | Time: 1330

Soil Aliquot Volume: | (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: 3550B

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 364402 | Analytical Batch: 364685 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080104/sv16a010

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.188		0.00186	0.024
11104-28-2	Aroclor-1221	0.024	U	0.00573	0.024
11141-16-5	Aroclor-1232	0.024	U	0.00579	0.024
53469-21-9	Aroclor-1242	0.024	U	0.00663	0.024
12672-29-6	Aroclor-1248	0.024	U	0.00368	0.024
11097-69-1	Aroclor-1254	0.024	U	0.00579	0.024
11096-82-5	Aroclor-1260	0.206		0.00238	0.024

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a010.d
Report Date: 07-Jan-2008 10:57

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a010.d
Lab Smp Id: 20712202003
Inj Date : 04-JAN-2008 13:30
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20712202003*1ms
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Meth Date : 07-Jan-2008 10:57 tls Quant Type: ESTD
Cal Date : 31-DEC-2007 12:15 Cal File: sv16a027.d
Als bottle: 10 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.10000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	4.777	4.777	0.000	935337673	124.807	21(A)
$	22 Decachlorobiphenyl	12.706	12.711	-0.005	694286974	131.571	22
M	23 AR 1016-AVG				1087668013	927.350	150
	24 AR 1016-PEAK1	5.781	5.787	-0.006	114587148	900.684	150
	25 AR 1016-PEAK2	6.434	6.439	-0.005	277026055	965.876	160
	26 AR 1016-PEAK3	7.024	7.030	-0.006	510356711	891.823	150(M2)
	27 AR 1016-PEAK4	7.224	7.230	-0.006	185698099	995.277	170
M	28 AR 1260-AVG				1598943719	1018.43	170
	29 AR 1260-PEAK1	9.216	9.221	-0.005	168628850	852.455	140
	30 AR 1260-PEAK2	9.425	9.430	-0.005	379421220	1163.05	190
	31 AR 1260-PEAK3	9.585	9.590	-0.005	410269790	1096.55	180
	32 AR 1260-PEAK4	10.787	10.792	-0.005	640623859	953.564	160

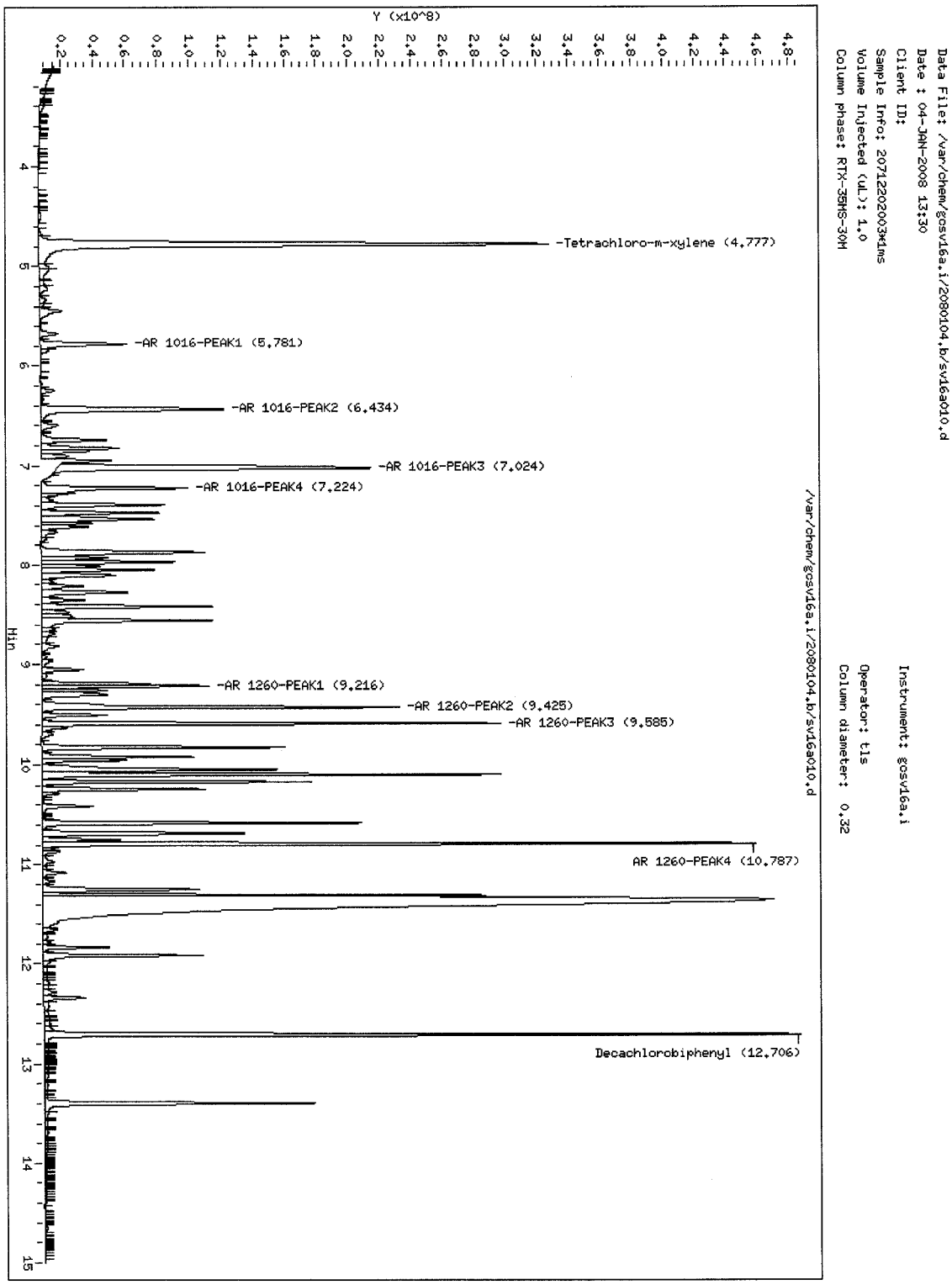
169766

Data File: /var/chem/gcsv16a.i/2080104.b/sv16a010.d
Report Date: 07-Jan-2008 10:57

QC Flag Legend

A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M2- Compound response manually integrated because
    Target system integrated incorrectly.

169767

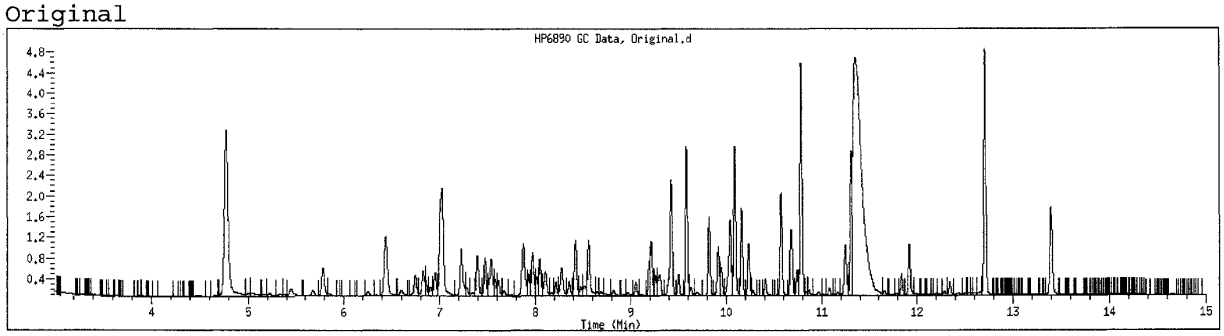

Data File: /var/chem/gcsv16a.i/20080104.b/sv16a010.d
Date : 04-JAN-2008 13:30
Client ID:
Sample Info: 207122020031ms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
Min
-Tetrachloro-m-xylene (4.777)
-AR 1016-PEAK1 (5.781)
-AR 1016-PEAK2 (6.434)
-AR 1016-PEAK3 (7.024)
-AR 1016-PEAK4 (7.224)
-AR 1260-PEAK1 (9.216)
-AR 1260-PEAK2 (9.425)
-AR 1260-PEAK3 (9.585)
AR 1260-PEAK4 (10.787)
Decachlorobiphenyl (12.706)
/var/chem/gcsv16a.i/20080104.b/sv16a010.d

Data file : /var/chem/gcsv16a.i/2080104.b/sv16a010.d Page: 1
Report Date: 01/07/2008 10:57

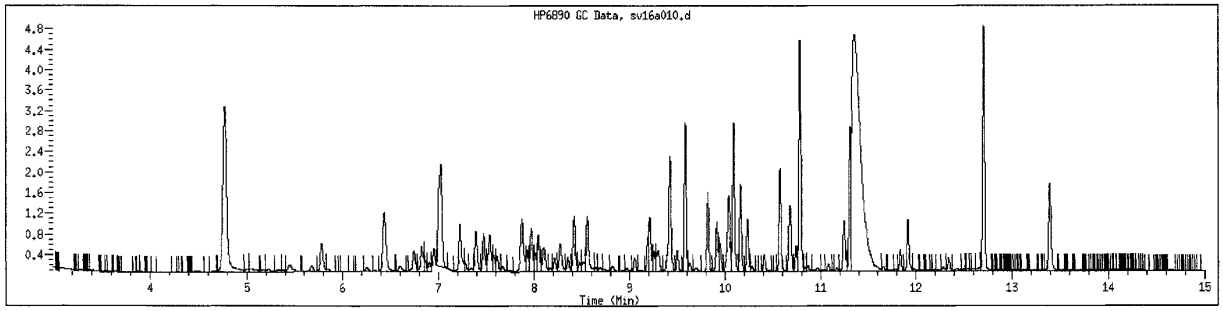
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20712202003	SampleType	: MSD
Injection Date	: 01/04/2008 13:30	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 20712202003*1ms		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080104.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: Falcon	Compound Sublist	: pcb

Original



Final



1268

169769

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12-30-07 1800	BATCH NO:	364402
MATRIX:	WATER ☐ SOIL ☑ OTHER ☐	LEVEL:	LOW ☑ MEDIUM ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	Init pH	COMMENTS	METHOD
1	QC ACCOUNT	MB for HBN 364402 [EXTO/19145]	560399	30.0	5.0		PCB	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 364402 [EXTO/19145	560400	30.0	5.0			
3	QC ACCOUNT	LCSD for HBN 364402 [EXTO/1914	560401	30.0	5.0			SEPARATORY FUNNEL/3510
4	4482	2WSED9 (1-2)	20712202001	30.1	5.0			
5	4482	2WSED9 MS (1-2)	20712202002	30.3	5.0			GPC CLEANUP/3640
6	4482	2WSED9 MSD (1-2)	20712202003	30.1	5.0			
7								SONICATOR/3550
8								✓
9								FLORISIL CLEANUP/3620
10								
11								PCB H2So4/3665A CLEANUP
12								
13								WASTE DILUTION/3580
14								
15								TCLP EXTRACTION FLUID 1
16								
17								TCLP EXTRACTION FLUID 2
18								
19								MECL2/Acetone No:
20								
21								ACETONE LOT NO:
22								
23								MECL2 Lot No:
24								
25								HEXANE Lot No: E12678
26								
27								Sodium Sulfate Lot No: E07629
28								

SKB 01/02/08

COMMENTS: SAMPLE PREPARATION INCLUDE DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

PCB

SURROGATE ID	430-41-2	~~8081~~ SPIKE ID	430-37-3	608 SPIKE ID		TECHNICIAN	DATE
VOLUME	1.0mL	VOLUME	1.0mL	VOLUME		Kenneth Johnson	12-30-07
CONCENTRATION	0.5ug/mL	CONCENTRATION	4.0ug/mL	CONCENTRATION			
ACID						SUPERVISOR	DATE
SPIKE WITNESS	CLT					John Bailey	01/02/08

169770

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12/25/07 1500	BATCH NO:	364076
MATRIX:	WATER ☑ SOIL ☐ OTHER ☐	LEVEL:	LOW ☑ MEDIUM ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	Init pH	COMMENTS	METHOD
1	QC ACCOUNT	MB for HBN 364076 [EXTO/19107]	559288	1000	5.0	7	PCB	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 364076 [EXTO/19107	559289	1000	5.0	7		
3	QC ACCOUNT	LCSD for HBN 364076 [EXTO/1910	559290	1000	5.0	7		SEPARATORY FUNNEL/3510 ✓
4	4482	SS121907-EB	20712202014	980	5.0	7		
5	4482	SS121907-FB	20712202015	970	5.0	7		GPC CLEANUP/3640
6								
7								SONICATOR/3550
8								
9								FLORISIL CLEANUP/3620
10								
11								PCB H2So4/3665A CLEANUP
12								
13								WASTE DILUTION/3580
14								
15								TCLP EXTRACTION FLUID 1
16								
17								TCLP EXTRACTION FLUID 2
18								
19								MECL2/Acetone No:
20								
21								ACETONE LOT NO:
22								
23								MECL2 Lot No: E39E17
24								
25								HEXANE Lot No: E12E25
26								
27								Sodium Sulfate Lot No: E32607
28								

12/26/07 GCS

COMMENTS: SAMPLE PREPARATION INCLUDE DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

SURROGATE ID	430-41-7	8081 SPIKE ID	430-37-3	608 SPIKE ID		TECHNICIAN	DATE
VOLUME	1.0ml	VOLUME	1.0ml	VOLUME			12-25-07
CONCENTRATION	0.5ug/ml	CONCENTRATION	4.0ug/ml	CONCENTRATION			
ACID						SUPERVISOR	DATE
SPIKE WITNESS	DWB						12/31/07

169771

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 12/17/2007
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2071213.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2071213.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
hex lot #E33E6		sv18a001.d	1000.00 ml	13-DEC-2007 08:51	1.000	tls	1	all
deg		sv18a002.d	1000.00 ml	13-DEC-2007 10:34	1.000	tls	2	deg
1206		sv18a003.d	1000.00 ml	13-DEC-2007 12:10	1.000	tls	3	8081
1201		sv18a004.d	1000.00 ml	13-DEC-2007 12:27	1.000	tls	4	8081
1202		sv18a005.d	1000.00 ml	13-DEC-2007 12:45	1.000	tls	5	8081
1203		sv18a006.d	1000.00 ml	13-DEC-2007 13:03	1.000	tls	6	8081
1204		sv18a007.d	1000.00 ml	13-DEC-2007 13:21	1.000	tls	7	8081
1205		sv18a008.d	1000.00 ml	13-DEC-2007 13:38	1.000	tls	8	8081
1600		sv18a009.d	1.00 ml	13-DEC-2007 13:56	1.000	tls	9	8081
1205		sv18a010.d	1000.00 ml	13-DEC-2007 14:14	1.000	tls	10	chlor
1201		sv18a011.d	1000.00 ml	13-DEC-2007 14:32	1.000	tls	11	tox
1205		sv18a012.d	1000.00 ml	13-DEC-2007 14:49	1.000	tls	12	tox
1203		sv18a013.d	1000.00 ml	13-DEC-2007 15:07	1.000	tls	13	aro1221
1203		sv18a014.d	1000.00 ml	13-DEC-2007 15:25	1.000	tls	14	aro1232
1203		sv18a015.d	1000.00 ml	13-DEC-2007 15:43	1.000	tls	15	aro1242
1203		sv18a016.d	1000.00 ml	13-DEC-2007 16:00	1.000	tls	16	aro1248
1203		sv18a017.d	1000.00 ml	13-DEC-2007 16:18	1.000	tls	17	aro1254
1203		sv18a018.d	1000.00 ml	13-DEC-2007 16:36	1.000	tls	18	ar1262
1203		sv18a019.d	1000.00 ml	13-DEC-2007 16:54	1.000	tls	19	ar1268
1206		sv18a020.d	1000.00 ml	13-DEC-2007 17:11	1.000	tls	20	aro1260
1201		sv18a021.d	1000.00 ml	13-DEC-2007 17:29	1.000	tls	21	aro1260
1202		sv18a022.d	1000.00 ml	13-DEC-2007 17:47	1.000	tls	22	aro1260
1203		sv18a023.d	1000.00 ml	13-DEC-2007 18:05	1.000	tls	23	aro1260
1204		sv18a024.d	1000.00 ml	13-DEC-2007 18:22	1.000	tls	24	aro1260
1205		sv18a025.d	1000.00 ml	13-DEC-2007 18:40	1.000	tls	25	aro1260
1600		sv18a026.d	1.00 ml	13-DEC-2007 18:58	1.000	tls	26	pcbicv
deg		sv18a027.d	1000.00 ml	13-DEC-2007 19:16	1.000	tls	27	deg
554667		sv18a028.d	30.00 g	13-DEC-2007 19:34	1.000	tls	28	pcb
554668		sv18a029.d	30.00 g	13-DEC-2007 19:51	1.000	tls	29	pcb
554669		sv18a030.d	30.00 g	13-DEC-2007 20:09	1.000	tls	30	pcb
20712071601		sv18a031.d	30.00 g	13-DEC-2007 20:27	1.000	tls	31	pcb
1400		sv18a032.d	1000.00 ml	13-DEC-2007 20:45	1.000	tls	32	aro1260
1400		sv18a033.d	1000.00 ml	13-DEC-2007 21:03	1.000	tls	33	aro1260
lcs		sv18a034.d	1.00 g	14-DEC-2007 09:11	1.000	tls	34	ar1260s
lcsd		sv18a035.d	1.00 g	14-DEC-2007 09:28	1.000	tls	35	ar1260s
lcs		sv18a036.d	1000.00 ml	14-DEC-2007 10:22	1.000	tls	34	ar1260s

169772

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/02/2008
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2071231.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2071231.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
hex lot #E43E7		sv18a001.d	1000.00 ml	31-DEC-2007 08:54	1.000	tls	1	all
deg		sv18a002.d	1000.00 ml	31-DEC-2007 09:11	1.000	tls	2	deg
1400		sv18a003.d	1000.00 ml	31-DEC-2007 09:29	1.000	tls	3	8081
1400		sv18a004.d	1000.00 ml	31-DEC-2007 10:43	1.000	tls	4	aro1260
560363		sv18a005.d	30.00 g	31-DEC-2007 13:08	1.000	smh	5	pcb
560364		sv18a006.d	30.00 g	31-DEC-2007 13:26	1.000	smh	6	ar1260s
560365		sv18a007.d	30.00 g	31-DEC-2007 13:44	1.000	smh	7	ar1260s
559659		sv18a008.d	30.00 g	31-DEC-2007 14:01	1.000	smh	8	all
559660		sv18a009.d	30.00 g	31-DEC-2007 14:19	1.000	smh	9	8081
559661		sv18a010.d	30.00 g	31-DEC-2007 14:37	1.000	smh	10	8081
560400		sv18a011.d	30.00 g	31-DEC-2007 14:55	1.000	smh	11	ar1260s
560401		sv18a012.d	30.00 g	31-DEC-2007 15:12	1.000	smh	12	ar1260s
1400		sv18a013.d	1000.00 ml	31-DEC-2007 15:30	1.000	smh	13	aro1260
1400		sv18a014.d	1000.00 ml	31-DEC-2007 15:48	1.000	smh	14	aro1260
1400		sv18a015.d	1000.00 ml	31-DEC-2007 16:06	1.000	smh	15	8081
1400		sv18a016.d	1000.00 ml	31-DEC-2007 16:24	1.000	smh	16	8081
deg		sv18a017.d	1000.00 ml	31-DEC-2007 16:41	1.000	smh	17	deg
20712291401		sv18a018.d	30.20 g	31-DEC-2007 16:59	1.000	smh	18	pcb
20712291402		sv18a019.d	30.30 g	31-DEC-2007 17:17	1.000	smh	19	pcb
20712202001		sv18a021.d	30.10 g	31-DEC-2007 17:53	1.000	smh	21	all
20712202002		sv18a022.d	30.00 g	31-DEC-2007 18:10	1.000	smh	22	all
20712202003		sv18a023.d	30.10 g	31-DEC-2007 18:28	1.000	smh	23	all
20712202002		sv18a024.d	30.30 g	31-DEC-2007 18:46	1.000	smh	24	pest
20712202003		sv18a025.d	30.10 g	31-DEC-2007 19:04	1.000	smh	25	pest
20712202004		sv18a026.d	30.10 g	31-DEC-2007 19:21	1.000	smh	26	pest
20712202005		sv18a027.d	30.30 g	31-DEC-2007 19:39	1.000	smh	27	pest
1400		sv18a028.d	1000.00 ml	31-DEC-2007 19:57	1.000	smh	28	aro1260
1400		sv18a029.d	1000.00 ml	31-DEC-2007 20:15	1.000	smh	29	aro1260
1400		sv18a030.d	1000.00 ml	31-DEC-2007 20:32	1.000	smh	30	8081
1400		sv18a031.d	1000.00 ml	31-DEC-2007 20:50	1.000	smh	31	8081
20712202006		sv18a032.d	30.00 g	31-DEC-2007 21:08	1.000	smh	32	pest
20712202007		sv18a033.d	30.40 g	31-DEC-2007 21:26	1.000	smh	33	pest
20712202008		sv18a034.d	30.10 g	31-DEC-2007 21:44	1.000	smh	34	pest
20712202009		sv18a035.d	30.30 g	31-DEC-2007 22:02	1.000	smh	35	pest
20712202010		sv18a036.d	30.20 g	31-DEC-2007 22:19	1.000	smh	36	pest
20712202011		sv18a037.d	30.10 g	31-DEC-2007 22:37	1.000	smh	37	pest

169773

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/08/2008
Instrument: gcsv18b.i
Method File: /var/chem/gcsv18b.i/2071213.b/pestXLB.m
Batch: /var/chem/gcsv18b.i/2071213.b
Column-Detector: RTX-XLB-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv18b002.d	1000.00 ml	13-DEC-2007 12:10	1.000	tls	2	deg
1206		sv18b003.d	1000.00 ml	13-DEC-2007 12:27	1.000	tls	3	8081
1201		sv18b004.d	1000.00 ml	13-DEC-2007 12:45	1.000	tls	4	8081
1202		sv18b005.d	1000.00 ml	13-DEC-2007 13:03	1.000	tls	5	8081
1203		sv18b006.d	1000.00 ml	13-DEC-2007 13:21	1.000	tls	6	8081
1204		sv18b007.d	1000.00 ml	13-DEC-2007 13:38	1.000	tls	7	8081
1205		sv18b008.d	1000.00 ml	13-DEC-2007 13:56	1.000	tls	8	8081
1600		sv18b009.d	1.00 ml	13-DEC-2007 14:14	1.000	tls	9	8081
1205		sv18b010.d	1000.00 ml	13-DEC-2007 14:32	1.000	tls	10	chlor
1201		sv18b011.d	1000.00 ml	13-DEC-2007 14:49	1.000	tls	11	tox
1205		sv18b012.d	1000.00 ml	13-DEC-2007 15:07	1.000	tls	12	tox
1203		sv18b013.d	1000.00 ml	13-DEC-2007 15:25	1.000	tls	13	aro1221
1203		sv18b014.d	1000.00 ml	13-DEC-2007 15:43	1.000	tls	14	aro1232
1203		sv18b015.d	1000.00 ml	13-DEC-2007 16:00	1.000	tls	15	aro1242
1203		sv18b016.d	1000.00 ml	13-DEC-2007 16:18	1.000	tls	16	aro1248
1203		sv18b017.d	1000.00 ml	13-DEC-2007 16:36	1.000	tls	17	aro1254
1203		sv18b018.d	1000.00 ml	13-DEC-2007 16:54	1.000	tls	18	ar1262
1203		sv18b019.d	1000.00 ml	13-DEC-2007 17:11	1.000	tls	19	ar1268
1206		sv18b020.d	1000.00 ml	13-DEC-2007 17:29	1.000	tls	20	aro1260
1201		sv18b021.d	1000.00 ml	13-DEC-2007 17:47	1.000	tls	21	aro1260
1202		sv18b022.d	1000.00 ml	13-DEC-2007 18:05	1.000	tls	22	aro1260
1203		sv18b023.d	1000.00 ml	13-DEC-2007 18:22	1.000	tls	23	aro1260
1204		sv18b024.d	1000.00 ml	13-DEC-2007 18:40	1.000	tls	24	aro1260
1205		sv18b025.d	1000.00 ml	13-DEC-2007 18:58	1.000	tls	25	aro1260
1600		sv18b026.d	1.00 ml	13-DEC-2007 19:16	1.000	tls	26	pcbicv
deg		sv18b027.d	1000.00 ml	13-DEC-2007 19:34	1.000	tls	27	deg
554667		sv18b028.d	30.00 g	13-DEC-2007 19:51	1.000	tls	28	all
554668		sv18b029.d	30.00 g	13-DEC-2007 20:09	1.000	tls	29	all
554669		sv18b030.d	30.00 g	13-DEC-2007 20:27	1.000	tls	30	all
20712071601		sv18b031.d	30.00 g	13-DEC-2007 20:45	1.000	tls	31	pcb
1400		sv18b032.d	1000.00 ml	13-DEC-2007 21:03	1.000	tls	32	aro1260
1400		sv18b033.d	1000.00 ml	13-DEC-2007 21:21	1.000	tls	33	aro1260
1600		sv18b034.d	1.00 ml	14-DEC-2007 12:31	1.000	tls	37	pcbicv

169774

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/08/2008
Instrument: gcsv18b.i
Method File: /var/chem/gcsv18b.i/2071228.b/pestXLB.m
Batch: /var/chem/gcsv18b.i/2071228.b
Column-Detector: RTX-XLB-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
hex		sv18b001.d	1000.00 ml	28-DEC-2007 09:28	1.000	tls	1	all
deg		sv18b002B.d	1000.00 ml	28-DEC-2007 09:46	1.000	tls	2	deg
1400		sv18b003.d	1000.00 ml	28-DEC-2007 11:12	1.000	tls	3	8081
1400		sv18b004.d	1000.00 ml	28-DEC-2007 11:30	1.000	tls	4	aro1260
559288		sv18b005.d	1000.00 ml	28-DEC-2007 12:25	1.000	tls	5	all
5592861 lcs		sv18b006.d	1000.00 ml	28-DEC-2007 12:42	1.000	tls	6	8081
559287		sv18b007.d	1000.00 ml	28-DEC-2007 13:00	1.000	tls	7	8081
559289		sv18b008.d	1000.00 ml	28-DEC-2007 13:18	1.000	tls	8	ar1260s
559290		sv18b009.d	1000.00 ml	28-DEC-2007 13:42	1.000	tls	9	ar1260s
20712202014		sv18b010.d	980.00 ml	28-DEC-2007 13:59	1.000	tls	10	all
20712202015		sv18b011.d	970.00 ml	28-DEC-2007 14:17	1.000	tls	11	all
1400		sv18b012.d	1000.00 ml	28-DEC-2007 14:35	1.000	tls	12	8081
1400		sv18b013.d	1000.00 ml	28-DEC-2007 14:53	1.000	tls	13	8081
1400		sv18b017.d	1000.00 ml	28-DEC-2007 16:04	1.000	tls	17	aro1260
1400		sv18b018.d	1000.00 ml	28-DEC-2007 16:21	1.000	tls	18	aro1260
1400		sv18b027.d	1000.00 ml	28-DEC-2007 19:01	1.000	tls	27	8081
1400		sv18b028.d	1000.00 ml	28-DEC-2007 19:19	1.000	tls	28	8081
1400		sv18b029.d	1000.00 ml	28-DEC-2007 19:37	1.000	tls	29	aro1260
1400		sv18b030.d	1000.00 ml	28-DEC-2007 19:55	1.000	tls	30	aro1260
hex lot# E33E6		sv18b100.d	1000.00 ml	28-DEC-2007 09:10	1.000	tls	100	all

169775

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/02/2008
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2071230.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2071230.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
hex lot # E33E		sv16a001.d	1000.00 ml	30-DEC-2007 16:27	1.000	tls	1	8081
deg		sv16a002.d	1000.00 ml	30-DEC-2007 16:46	1.000	tls	2	deg
1206		sv16a003.d	1000.00 ml	30-DEC-2007 17:05	1.000	tls	3	8081
1201		sv16a004.d	1000.00 ml	30-DEC-2007 17:23	1.000	tls	4	8081
1202		sv16a005.d	1000.00 ml	30-DEC-2007 17:42	1.000	tls	5	8081
1203		sv16a006.d	1000.00 ml	30-DEC-2007 18:01	1.000	tls	6	8081
1204		sv16a007.d	1000.00 ml	30-DEC-2007 18:20	1.000	tls	7	8081
1205		sv16a008.d	1000.00 ml	30-DEC-2007 18:38	1.000	tls	8	8081
1600		sv16a009.d	1.00 ml	30-DEC-2007 18:57	1.000	tls	9	8081
1205		sv16a010.d	1000.00 ml	30-DEC-2007 19:16	1.000	tls	10	chlor
1201		sv16a011.d	1000.00 ml	30-DEC-2007 19:35	1.000	tls	11	tox
1205		sv16a012.d	1000.00 ml	30-DEC-2007 19:53	1.000	tls	12	tox
1203		sv16a013.d	1000.00 ml	30-DEC-2007 20:12	1.000	tls	13	aro1221
1203		sv16a014.d	1000.00 ml	30-DEC-2007 20:31	1.000	tls	14	aro1232
1203		sv16a015.d	1000.00 ml	30-DEC-2007 20:49	1.000	tls	15	aro1242
1203		sv16a016.d	1000.00 ml	30-DEC-2007 21:08	1.000	tls	16	aro1248
1203		sv16a017.d	1000.00 ml	30-DEC-2007 21:27	1.000	tls	17	aro1254
1206		sv16a018.d	1000.00 ml	30-DEC-2007 21:46	1.000	tls	18	aro1260
1201		sv16a019.d	1000.00 ml	30-DEC-2007 22:04	1.000	tls	19	aro1260
1202		sv16a020.d	1000.00 ml	30-DEC-2007 22:23	1.000	tls	20	aro1260
1203		sv16a021.d	1000.00 ml	30-DEC-2007 22:42	1.000	tls	21	aro1260
1204		sv16a022.d	1000.00 ml	30-DEC-2007 23:01	1.000	tls	22	aro1260
1205		sv16a023.d	1000.00 ml	30-DEC-2007 23:19	1.000	tls	23	aro1260
1600		sv16a024.d	1.00 ml	30-DEC-2007 23:38	1.000	tls	24	aro1260
deg		sv16a025.d	1000.00 ml	30-DEC-2007 23:57	1.000	tls	25	deg
deg		sv16a026.d	1000.00 ml	31-DEC-2007 11:57	1.000	tls	26	deg
1201		sv16a027.d	1000.00 ml	31-DEC-2007 12:15	1.000	tls	27	xtra
1202		sv16a028.d	1000.00 ml	31-DEC-2007 12:34	1.000	tls	28	xtra
1203		sv16a029.d	1000.00 ml	31-DEC-2007 12:53	1.000	tls	29	xtra
1204		sv16a030.d	1000.00 ml	31-DEC-2007 13:11	1.000	tls	30	xtra
1205		sv16a031.d	1000.00 ml	31-DEC-2007 13:30	1.000	tls	31	xtra
1600		sv16a032.d	1.00 ml	31-DEC-2007 13:49	1.000	tls	32	xtra
558434		sv16a033.d	1000.00 ml	31-DEC-2007 14:07	1.000	dlb	33	all
558432		sv16a034.d	1000.00 ml	31-DEC-2007 14:26	1.000	dlb	34	8081
558433		sv16a035.d	1000.00 ml	31-DEC-2007 14:45	1.000	dlb	35	8081
558435		sv16a036.d	1000.00 ml	31-DEC-2007 15:03	1.000	dlb	36	ar1260s

169776

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/07/2008
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2080104.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2080104.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv16a002.d	1000.00 ml	04-JAN-2008 10:34	1.000	tls	2	deg
1400		sv16a003.d	1000.00 ml	04-JAN-2008 10:53	1.000	tls	3	8081
1400		sv16a004.d	1000.00 ml	04-JAN-2008 11:11	1.000	tls	4	aro1260
559659		sv16a005.d	30.00 g	04-JAN-2008 11:57	1.000	tls	5	all
20712202001		sv16a006.d	30.10 g	04-JAN-2008 12:16	1.000	tls	6	all
20712202002		sv16a007.d	30.00 g	04-JAN-2008 12:34	1.000	tls	7	pest
20712202003		sv16a008.d	30.20 g	04-JAN-2008 12:53	1.000	tls	8	pest
20712202002		sv16a009.d	30.30 g	04-JAN-2008 13:12	1.000	tls	9	pcb
20712202003		sv16a010.d	30.10 g	04-JAN-2008 13:30	1.000	tls	10	pcb
20712202004		sv16a011.d	30.10 g	04-JAN-2008 13:49	1.000	tls	11	pest
20712202005		sv16a012.d	30.30 g	04-JAN-2008 14:08	1.000	tls	12	pest
20712202006		sv16a013.d	30.00 g	04-JAN-2008 14:26	1.000	tls	13	pest
20712202007		sv16a014.d	30.40 g	04-JAN-2008 14:45	1.000	tls	14	pest
1400		sv16a015.d	1000.00 ml	04-JAN-2008 15:04	1.000	tls	15	8081
1400		sv16a016.d	1000.00 ml	04-JAN-2008 15:42	1.000	tls	16	8081
1400		sv16a017.d	1000.00 ml	04-JAN-2008 16:12	1.000	tls	17	aro1260
1400		sv16a018.d	1000.00 ml	04-JAN-2008 16:30	1.000	tls	18	aro1260
20712202008		sv16a019.d	30.10 g	04-JAN-2008 16:49	1.000	tls	19	pest
20712202009		sv16a020.d	30.30 g	04-JAN-2008 17:08	1.000	tls	20	pest
20712202010		sv16a022.d	30.20 g	04-JAN-2008 17:45	1.000	tls	22	pest
20712202011		sv16a023.d	30.10 g	04-JAN-2008 18:04	1.000	tls	23	pest
20712202012		sv16a025.d	30.30 g	04-JAN-2008 18:41	1.000	tls	25	pest
20712202013		sv16a026.d	30.00 g	04-JAN-2008 18:59	1.000	tls	26	pest
1400		sv16a029.d	1000.00 ml	04-JAN-2008 19:55	1.000	tls	29	aro1260
1400		sv16a030.d	1000.00 ml	04-JAN-2008 20:14	1.000	tls	30	aro1260
1400		sv16a031.d	1000.00 ml	04-JAN-2008 20:33	1.000	tls	31	8081
1400		sv16a032.d	1000.00 ml	04-JAN-2008 20:51	1.000	tls	32	8081

169777

U.S. EPA - CLP
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

SOW No.:

EPA Sample No.	*Lab Sample ID*
2WSED9 (1-2)	20712202001
2WSED9 MS (1-2)	20712202002
2WSED9 MSD (1-2)	20712202003
3WSED6 (0-0.5)	20712202004
3WSED5 (0-0.5)	20712202005
3WSED2 (0-0.5)	20712202008
3WSED1 (0-0.5)	20712202009
SS-900 (0-0.5)	20712202010
3WSED8 (0-0.5)	20712202012
3WSED9 (0-0.5)	20712202013
SS121907-EB	20712202014
SS121907-FB	20712202015

Were ICP interelement corrections applied ?	Yes / No	YES
Were ICP background corrections applied ?	Yes / No	YES
If yes-were raw data generated before application of background corrections ?	Yes / No	NO

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED9 (1-2)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 207122020

Level: (low / med) | % Solids: 81.98 | Lab Sample ID: 20712202001

Date Received: 12/20/07 | Time: 1011 | Date Collected: 12/19/07 | Time: 1200

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	12300	mg/kg		0.99	9.76	SW-846 6010B	P
Antimony	4.24	mg/kg		0.19	2.93	SW-846 6010B	P
Arsenic	1.95	mg/kg	U	0.13	1.95	SW-846 6010B	P
Barium	94.9	mg/kg		0.017	0.49	SW-846 6010B	P
Beryllium	0.70	mg/kg		0.0049	0.24	SW-846 6010B	P
Boron	11.7	mg/kg	B	1.35	48.8	SW-846 6010B	P
Cadmium	0.078	mg/kg	B	0.0061	0.24	SW-846 6010B	P
Chromium	13.6	mg/kg		0.018	0.49	SW-846 6010B	P
Cobalt	7.52	mg/kg		0.015	0.49	SW-846 6010B	P
Copper	8.97	mg/kg		0.21	0.49	SW-846 6010B	P
Iron	15100	mg/kg		1.53	4.88	SW-846 6010B	P
Lead	10.7	mg/kg		0.070	0.73	SW-846 6010B	P
Lithium	17.5	mg/kg		0.29	2.44	SW-846 6010B	P
Manganese	606	mg/kg		0.14	0.73	SW-846 6010B	P
Mercury	0.024	mg/kg		0.0048	0.012	SW-846 7471A	AV
Molybdenum	1.46	mg/kg	U	0.074	1.46	SW-846 6010B	P
Nickel	15.5	mg/kg		0.043	1.95	SW-846 6010B	P
Selenium	1.95	mg/kg	U	0.17	1.95	SW-846 6010B	P
Silver	0.49	mg/kg	U	0.028	0.49	SW-846 6010B	P
Strontium	77.2	mg/kg		0.041	0.49	SW-846 6010B	P
Thallium	0.98	mg/kg	U	0.17	0.98	SW-846 6010B	P
Tin	4.88	mg/kg	U	0.40	4.88	SW-846 6010B	P
Titanium	28.0	mg/kg		0.029	4.88	SW-846 6010B	P
Vanadium	23.8	mg/kg		0.057	0.98	SW-846 6010B	P
Zinc	32.7	mg/kg		0.22	0.98	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED9 MS (1-2)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 207122020

Level: (low / med) | % Solids: 81.98 | Lab Sample ID: 20712202002

Date Received: 12/20/07 | Time: 1011 | Date Collected: 12/19/07 | Time: 1200

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	17700	mg/kg		0.99	9.76	SW-846 6010B	P
Antimony	13.3	mg/kg		0.19	2.93	SW-846 6010B	P
Arsenic	19.5	mg/kg		0.13	1.95	SW-846 6010B	P
Barium	144	mg/kg		0.017	0.49	SW-846 6010B	P
Beryllium	24.9	mg/kg		0.0049	0.24	SW-846 6010B	P
Boron	111	mg/kg		1.35	48.8	SW-846 6010B	P
Cadmium	21.2	mg/kg		0.0061	0.24	SW-846 6010B	P
Chromium	40.1	mg/kg		0.018	0.49	SW-846 6010B	P
Cobalt	28.8	mg/kg		0.015	0.49	SW-846 6010B	P
Copper	32.8	mg/kg		0.21	0.49	SW-846 6010B	P
Iron	17300	mg/kg		1.53	4.88	SW-846 6010B	P
Lead	32.4	mg/kg		0.070	0.73	SW-846 6010B	P
Lithium	42.6	mg/kg		0.29	2.44	SW-846 6010B	P
Manganese	572	mg/kg		0.14	0.73	SW-846 6010B	P
Mercury	0.37	mg/kg		0.0048	0.012	SW-846 7471A	AV
Molybdenum	18.4	mg/kg		0.074	1.46	SW-846 6010B	P
Nickel	36.2	mg/kg		0.043	1.95	SW-846 6010B	P
Selenium	20.8	mg/kg		0.17	1.95	SW-846 6010B	P
Silver	22.0	mg/kg		0.028	0.49	SW-846 6010B	P
Strontium	93.6	mg/kg		0.041	0.49	SW-846 6010B	P
Thallium	20.2	mg/kg		0.17	0.98	SW-846 6010B	P
Tin	17.8	mg/kg		0.40	4.88	SW-846 6010B	P
Titanium	62.6	mg/kg		0.029	4.88	SW-846 6010B	P
Vanadium	51.7	mg/kg		0.057	0.98	SW-846 6010B	P
Zinc	60.9	mg/kg		0.22	0.98	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED9 MSD (1-2)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 207122020

Level: (low / med) | % Solids: 81.98 | Lab Sample ID: 20712202003

Date Received: 12/20/07 | Time: 1011 | Date Collected: 12/19/07 | Time: 1200

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	18300	mg/kg		0.99	9.76	SW-846 6010B	P
Antimony	13.7	mg/kg		0.19	2.93	SW-846 6010B	P
Arsenic	18.7	mg/kg		0.13	1.95	SW-846 6010B	P
Barium	128	mg/kg		0.017	0.49	SW-846 6010B	P
Beryllium	25.4	mg/kg		0.0049	0.24	SW-846 6010B	P
Boron	117	mg/kg		1.35	48.8	SW-846 6010B	P
Cadmium	21.9	mg/kg		0.0061	0.24	SW-846 6010B	P
Chromium	41.6	mg/kg		0.018	0.49	SW-846 6010B	P
Cobalt	27.1	mg/kg		0.015	0.49	SW-846 6010B	P
Copper	33.3	mg/kg		0.21	0.49	SW-846 6010B	P
Iron	16400	mg/kg		1.53	4.88	SW-846 6010B	P
Lead	31.8	mg/kg		0.070	0.73	SW-846 6010B	P
Lithium	43.1	mg/kg		0.29	2.44	SW-846 6010B	P
Manganese	334	mg/kg		0.14	0.73	SW-846 6010B	P
Mercury	0.39	mg/kg		0.0048	0.012	SW-846 7471A	AV
Molybdenum	19.7	mg/kg		0.074	1.46	SW-846 6010B	P
Nickel	36.1	mg/kg		0.043	1.95	SW-846 6010B	P
Selenium	21.4	mg/kg		0.17	1.95	SW-846 6010B	P
Silver	22.9	mg/kg		0.028	0.49	SW-846 6010B	P
Strontium	88.7	mg/kg		0.041	0.49	SW-846 6010B	P
Thallium	20.6	mg/kg		0.17	0.98	SW-846 6010B	P
Tin	18.7	mg/kg		0.40	4.88	SW-846 6010B	P
Titanium	66.5	mg/kg		0.029	4.88	SW-846 6010B	P
Vanadium	49.8	mg/kg		0.057	0.98	SW-846 6010B	P
Zinc	61.8	mg/kg		0.22	0.98	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 3WSED6 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 207122020

Level: (low / med) | % Solids: 53.99 | Lab Sample ID: 20712202004

Date Received: 12/20/07 | Time: 1011 | Date Collected: 12/19/07 | Time: 1315

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Nickel	13.8	mg/kg		0.064	2.94	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 3WSED5 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 207122020

Level: (low / med) | % Solids: 52.39 | Lab Sample ID: 20712202005

Date Received: 12/20/07 | Time: 1011 | Date Collected: 12/19/07 | Time: 1330

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Nickel	12.3	mg/kg		0.067	3.05	SW-846 6010B	P

FORM I - IN

169783

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 3WSED2 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 207122020

Level: (low / med) | % Solids: 67.61 | Lab Sample ID: 20712202008

Date Received: 12/20/07 | Time: 1011 | Date Collected: 12/19/07 | Time: 1355

Analyte	*Concentration*	*Units*	*C*	*MDL*	*PQL*	*Method*	*Type*
Zinc	84.3	mg/kg		0.26	1.18	SW-846 6010B	P

FORM I - IN

169784

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 3WSED1 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 207122020

Level: (low / med) | % Solids: 71.24 | Lab Sample ID: 20712202009

Date Received: 12/20/07 | Time: 1011 | Date Collected: 12/19/07 | Time: 1510

Analyte	*Concentration*	*Units*	*C*	*MDL*	*PQL*	*Method*	*Type*
Zinc	71.5	mg/kg		0.25	1.11	SW-846 6010B	P

FORM I - IN

169785

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SS-900 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 207122020

Level: (low / med) | % Solids: 67.52 | Lab Sample ID: 20712202010

Date Received: 12/20/07 | Time: 1011 | Date Collected: 12/19/07 | Time: 0000

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Zinc	260	mg/kg		0.26	1.18	SW-846 6010B	P

FORM I - IN

169786

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 3WSED8 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 207122020

Level: (low / med) | % Solids: 72.44 | Lab Sample ID: 20712202012

Date Received: 12/20/07 | Time: 1011 | Date Collected: 12/19/07 | Time: 1430

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Zinc	86.9	mg/kg		0.25	1.10	SW-846 6010B	P

FORM I - IN

169787

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 3WSED9 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 207122020

Level: (low / med) | % Solids: 59.97 | Lab Sample ID: 20712202013

Date Received: 12/20/07 | Time: 1011 | Date Collected: 12/19/07 | Time: 1425

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Zinc	319	mg/kg		0.30	1.33	SW-846 6010B	P

FORM I - IN

169788

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SS121907-EB

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Water | SAS No.: | SDG No.: 207122020

Level: (low / med) | % Solids: | Lab Sample ID: 20712202014

Date Received: 12/20/07 | Time: 1011 | Date Collected: 12/19/07 | Time: 1530

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	0.071	mg/L	B	0.019	0.20	SW-846 6010B	P
Antimony	0.0036	mg/L	B	0.0027	0.060	SW-846 6010B	P
Arsenic	0.010	mg/L	U	0.0030	0.010	SW-846 6010B	P
Barium	0.010	mg/L	U	0.00032	0.010	SW-846 6010B	P
Beryllium	0.0050	mg/L	U	0.00025	0.0050	SW-846 6010B	P
Boron	1.00	mg/L	U	0.030	1.00	SW-846 6010B	P
Cadmium	0.0050	mg/L	U	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	mg/L	U	0.00090	0.010	SW-846 6010B	P
Cobalt	0.00057	mg/L	B	0.00031	0.010	SW-846 6010B	P
Copper	0.010	mg/L	U	0.0017	0.010	SW-846 6010B	P
Iron	0.092	mg/L	B	0.012	0.10	SW-846 6010B	P
Lead	0.015	mg/L	U	0.0018	0.015	SW-846 6010B	P
Lithium	0.050	mg/L	U	0.0027	0.050	SW-846 6010B	P
Manganese	0.0052	mg/L	B	0.0011	0.015	SW-846 6010B	P
Mercury	0.00020	mg/L	U	0.00008	0.00020	SW-846 7470A	AV
Molybdenum	0.050	mg/L	U	0.0017	0.050	SW-846 6010B	P
Nickel	0.040	mg/L	U	0.00042	0.040	SW-846 6010B	P
Selenium	0.040	mg/L	U	0.0031	0.040	SW-846 6010B	P
Silver	0.010	mg/L	U	0.00071	0.010	SW-846 6010B	P
Strontium	0.00069	mg/L	B	0.00058	0.050	SW-846 6010B	P
Thallium	0.0061	mg/L	B	0.0019	0.020	SW-846 6010B	P
Tin	0.025	mg/L	U	0.0027	0.025	SW-846 6010B	P
Titanium	0.10	mg/L	U	0.00035	0.10	SW-846 6010B	P
Vanadium	0.020	mg/L	U	0.0012	0.020	SW-846 6010B	P
Zinc	0.0045	mg/L	B	0.0030	0.020	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SS121907-FB

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Water | SAS No.: | SDG No.: 207122020

Level: (low / med) | % Solids: | Lab Sample ID: 20712202015

Date Received: 12/20/07 | Time: 1011 | Date Collected: 12/19/07 | Time: 1540

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	0.090	mg/L	B	0.019	0.20	SW-846 6010B	P
Antimony	0.0047	mg/L	B	0.0027	0.060	SW-846 6010B	P
Arsenic	0.010	mg/L	U	0.0030	0.010	SW-846 6010B	P
Barium	0.010	mg/L	U	0.00032	0.010	SW-846 6010B	P
Beryllium	0.0050	mg/L	U	0.00025	0.0050	SW-846 6010B	P
Boron	1.00	mg/L	U	0.030	1.00	SW-846 6010B	P
Cadmium	0.0050	mg/L	U	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	mg/L	U	0.00090	0.010	SW-846 6010B	P
Cobalt	0.00074	mg/L	B	0.00031	0.010	SW-846 6010B	P
Copper	0.010	mg/L	U	0.0017	0.010	SW-846 6010B	P
Iron	0.017	mg/L	B	0.012	0.10	SW-846 6010B	P
Lead	0.015	mg/L	U	0.0018	0.015	SW-846 6010B	P
Lithium	0.050	mg/L	U	0.0027	0.050	SW-846 6010B	P
Manganese	0.015	mg/L	U	0.0011	0.015	SW-846 6010B	P
Mercury	0.00020	mg/L	U	0.00008	0.00020	SW-846 7470A	AV
Molybdenum	0.050	mg/L	U	0.0017	0.050	SW-846 6010B	P
Nickel	0.040	mg/L	U	0.00042	0.040	SW-846 6010B	P
Selenium	0.040	mg/L	U	0.0031	0.040	SW-846 6010B	P
Silver	0.010	mg/L	U	0.00071	0.010	SW-846 6010B	P
Strontium	0.050	mg/L	U	0.00058	0.050	SW-846 6010B	P
Thallium	0.020	mg/L	U	0.0019	0.020	SW-846 6010B	P
Tin	0.025	mg/L	U	0.0027	0.025	SW-846 6010B	P
Titanium	0.10	mg/L	U	0.00035	0.10	SW-846 6010B	P
Vanadium	0.020	mg/L	U	0.0012	0.020	SW-846 6010B	P
Zinc	0.020	mg/L	U	0.0030	0.020	SW-846 6010B	P

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-6-4 CPI/EXAXOL Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 12/22/07 Time: 1316

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	10.0	9.86	99	mg/L	SW-846 6010B	P
Antimony	1.00	1.01	101	mg/L	SW-846 6010B	P
Arsenic	1.00	1.04	104	mg/L	SW-846 6010B	P
Barium	1.00	1.05	105	mg/L	SW-846 6010B	P
Beryllium	1.00	1.06	106	mg/L	SW-846 6010B	P
Boron	5.00	5.21	104	mg/L	SW-846 6010B	P
Cadmium	1.00	1.03	103	mg/L	SW-846 6010B	P
Calcium	10.0	10.3	103	mg/L	SW-846 6010B	P
Chromium	1.00	1.03	103	mg/L	SW-846 6010B	P
Cobalt	1.00	1.01	101	mg/L	SW-846 6010B	P
Copper	1.00	0.990	99	mg/L	SW-846 6010B	P
Iron	10.0	9.88	99	mg/L	SW-846 6010B	P
Lead	1.00	1.04	104	mg/L	SW-846 6010B	P
Lithium	1.00	1.01	101	mg/L	SW-846 6010B	P
Magnesium	10.0	10.4	104	mg/L	SW-846 6010B	P
Manganese	1.00	1.02	102	mg/L	SW-846 6010B	P
Molybdenum	1.00	1.00	100	mg/L	SW-846 6010B	P
Nickel	1.00	1.03	103	mg/L	SW-846 6010B	P
Potassium	10.0	9.76	98	mg/L	SW-846 6010B	P
Selenium	1.00	1.05	105	mg/L	SW-846 6010B	P
Silver	1.00	1.07	107	mg/L	SW-846 6010B	P
Sodium	10.0	9.73	97	mg/L	SW-846 6010B	P
Strontium	1.00	0.980	98	mg/L	SW-846 6010B	P
Thallium	1.00	1.05	105	mg/L	SW-846 6010B	P
Tin	1.00	1.08	108	mg/L	SW-846 6010B	P
Titanium	1.00	1.01	101	mg/L	SW-846 6010B	P
Vanadium	1.00	1.02	102	mg/L	SW-846 6010B	P
Zinc	1.00	1.03	103	mg/L	SW-846 6010B	P

ICV CONTROL LIMITS EPA 6010B = 90-110 EPA 200.7 = 95-105

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-6-2 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 12/22/07 Time: 1337

CRDL STANDARD

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	0.200	0.210	103	mg/L	SW-846 6010B	P
Antimony	0.0600	0.0560	94	mg/L	SW-846 6010B	P
Arsenic	0.0100	0.00900	90	mg/L	SW-846 6010B	P
Barium	0.0100	0.00960	96	mg/L	SW-846 6010B	P
Beryllium	0.00500	0.00480	96	mg/L	SW-846 6010B	P
Boron	0.500	0.510	101	mg/L	SW-846 6010B	P
Cadmium	0.00500	0.00500	100	mg/L	SW-846 6010B	P
Calcium	0.100	0.110	114	mg/L	SW-846 6010B	P
Chromium	0.0100	0.00910	91	mg/L	SW-846 6010B	P
Cobalt	0.0100	0.00980	98	mg/L	SW-846 6010B	P
Copper	0.0100	0.0140	138	mg/L	SW-846 6010B	P
Iron	0.100	0.110	108	mg/L	SW-846 6010B	P
Lead	0.0150	0.0140	93	mg/L	SW-846 6010B	P
Lithium	0.0500	0.0570	113	mg/L	SW-846 6010B	P
Magnesium	0.100	0.110	113	mg/L	SW-846 6010B	P
Manganese	0.0150	0.0150	102	mg/L	SW-846 6010B	P
Molybdenum	0.0500	0.0480	96	mg/L	SW-846 6010B	P
Nickel	0.0400	0.0380	96	mg/L	SW-846 6010B	P
Potassium	0.500	0.520	105	mg/L	SW-846 6010B	P
Selenium	0.0400	0.0310	77	mg/L	SW-846 6010B	P
Silver	0.0100	0.0100	103	mg/L	SW-846 6010B	P
Sodium	1.00	0.870	87	mg/L	SW-846 6010B	P
Strontium	0.0500	0.0490	98	mg/L	SW-846 6010B	P
Thallium	0.0100	0.00280	28	mg/L	SW-846 6010B	P
Tin	0.100	0.100	102	mg/L	SW-846 6010B	P
Titanium	0.100	0.0980	98	mg/L	SW-846 6010B	P
Vanadium	0.0200	0.0180	91	mg/L	SW-846 6010B	P
Zinc	0.0200	0.0190	95	mg/L	SW-846 6010B	P

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-7-1 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 12/22/07 Time: 1423

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.04	101	mg/L	SW-846 6010B	P
Antimony	0.500	0.510	102	mg/L	SW-846 6010B	P
Arsenic	0.500	0.520	103	mg/L	SW-846 6010B	P
Barium	0.500	0.510	102	mg/L	SW-846 6010B	P
Beryllium	0.500	0.520	103	mg/L	SW-846 6010B	P
Boron	2.50	2.57	103	mg/L	SW-846 6010B	P
Cadmium	0.500	0.520	105	mg/L	SW-846 6010B	P
Calcium	5.00	5.11	102	mg/L	SW-846 6010B	P
Chromium	0.500	0.510	103	mg/L	SW-846 6010B	P
Cobalt	0.500	0.500	101	mg/L	SW-846 6010B	P
Copper	0.500	0.510	102	mg/L	SW-846 6010B	P
Iron	5.00	5.06	101	mg/L	SW-846 6010B	P
Lead	0.500	0.510	102	mg/L	SW-846 6010B	P
Lithium	0.500	0.520	104	mg/L	SW-846 6010B	P
Magnesium	5.00	5.16	103	mg/L	SW-846 6010B	P
Manganese	0.500	0.510	103	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.500	100	mg/L	SW-846 6010B	P
Nickel	0.500	0.520	104	mg/L	SW-846 6010B	P
Potassium	10.0	9.75	98	mg/L	SW-846 6010B	P
Selenium	0.500	0.500	100	mg/L	SW-846 6010B	P
Silicon	5.00	5.01	100	mg/L	SW-846 6010B	P
Silver	0.500	0.510	103	mg/L	SW-846 6010B	P
Sodium	20.0	19.7	98	mg/L	SW-846 6010B	P
Strontium	0.500	0.500	101	mg/L	SW-846 6010B	P
Thallium	0.500	0.520	103	mg/L	SW-846 6010B	P
Tin	0.500	0.500	101	mg/L	SW-846 6010B	P
Titanium	0.500	0.510	102	mg/L	SW-846 6010B	P
Vanadium	0.500	0.510	103	mg/L	SW-846 6010B	P
Zinc	0.500	0.520	103	mg/L	SW-846 6010B	P
Zirconium	0.500	0.510	102	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-7-1 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 12/22/07 Time: 1551

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.05	101	mg/L	SW-846 6010B	P
Antimony	0.500	0.510	102	mg/L	SW-846 6010B	P
Arsenic	0.500	0.530	106	mg/L	SW-846 6010B	P
Barium	0.500	0.510	103	mg/L	SW-846 6010B	P
Beryllium	0.500	0.520	104	mg/L	SW-846 6010B	P
Boron	2.50	2.58	103	mg/L	SW-846 6010B	P
Cadmium	0.500	0.520	105	mg/L	SW-846 6010B	P
Calcium	5.00	5.13	103	mg/L	SW-846 6010B	P
Chromium	0.500	0.520	103	mg/L	SW-846 6010B	P
Cobalt	0.500	0.510	101	mg/L	SW-846 6010B	P
Copper	0.500	0.510	102	mg/L	SW-846 6010B	P
Iron	5.00	5.14	103	mg/L	SW-846 6010B	P
Lead	0.500	0.510	102	mg/L	SW-846 6010B	P
Lithium	0.500	0.520	103	mg/L	SW-846 6010B	P
Magnesium	5.00	5.21	104	mg/L	SW-846 6010B	P
Manganese	0.500	0.520	103	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.510	101	mg/L	SW-846 6010B	P
Nickel	0.500	0.520	104	mg/L	SW-846 6010B	P
Potassium	10.0	9.73	97	mg/L	SW-846 6010B	P
Selenium	0.500	0.510	103	mg/L	SW-846 6010B	P
Silicon	5.00	5.09	102	mg/L	SW-846 6010B	P
Silver	0.500	0.510	103	mg/L	SW-846 6010B	P
Sodium	20.0	19.5	98	mg/L	SW-846 6010B	P
Strontium	0.500	0.500	101	mg/L	SW-846 6010B	P
Thallium	0.500	0.520	103	mg/L	SW-846 6010B	P
Tin	0.500	0.510	102	mg/L	SW-846 6010B	P
Titanium	0.500	0.510	102	mg/L	SW-846 6010B	P
Vanadium	0.500	0.510	103	mg/L	SW-846 6010B	P
Zinc	0.500	0.520	103	mg/L	SW-846 6010B	P
Zirconium	0.500	0.510	102	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-7-1 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 12/22/07 Time: 1718

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.08	102	mg/L	SW-846 6010B	P
Antimony	0.500	0.500	99	mg/L	SW-846 6010B	P
Arsenic	0.500	0.520	104	mg/L	SW-846 6010B	P
Barium	0.500	0.510	102	mg/L	SW-846 6010B	P
Beryllium	0.500	0.510	103	mg/L	SW-846 6010B	P
Boron	2.50	2.55	102	mg/L	SW-846 6010B	P
Cadmium	0.500	0.520	103	mg/L	SW-846 6010B	P
Calcium	5.00	5.18	104	mg/L	SW-846 6010B	P
Chromium	0.500	0.510	102	mg/L	SW-846 6010B	P
Cobalt	0.500	0.500	100	mg/L	SW-846 6010B	P
Copper	0.500	0.510	101	mg/L	SW-846 6010B	P
Iron	5.00	5.40	108	mg/L	SW-846 6010B	P
Lead	0.500	0.510	101	mg/L	SW-846 6010B	P
Lithium	0.500	0.630	127	mg/L	SW-846 6010B	P
Magnesium	5.00	5.43	109	mg/L	SW-846 6010B	P
Manganese	0.500	0.510	102	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.500	100	mg/L	SW-846 6010B	P
Nickel	0.500	0.510	103	mg/L	SW-846 6010B	P
Potassium	10.0	10.5	105	mg/L	SW-846 6010B	P
Selenium	0.500	0.500	99	mg/L	SW-846 6010B	P
Silicon	5.00	5.32	106	mg/L	SW-846 6010B	P
Silver	0.500	0.510	102	mg/L	SW-846 6010B	P
Sodium	20.0	19.6	98	mg/L	SW-846 6010B	P
Strontium	0.500	0.460	93	mg/L	SW-846 6010B	P
Thallium	0.500	0.500	101	mg/L	SW-846 6010B	P
Tin	0.500	0.510	101	mg/L	SW-846 6010B	P
Titanium	0.500	0.510	102	mg/L	SW-846 6010B	P
Vanadium	0.500	0.510	102	mg/L	SW-846 6010B	P
Zinc	0.500	0.510	102	mg/L	SW-846 6010B	P
Zirconium	0.500	0.500	101	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-7-1 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 12/22/07 Time: 1902

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.21	104	mg/L	SW-846 6010B	P
Antimony	0.500	0.510	102	mg/L	SW-846 6010B	P
Arsenic	0.500	0.510	103	mg/L	SW-846 6010B	P
Barium	0.500	0.510	101	mg/L	SW-846 6010B	P
Beryllium	0.500	0.510	103	mg/L	SW-846 6010B	P
Boron	2.50	2.52	101	mg/L	SW-846 6010B	P
Cadmium	0.500	0.500	101	mg/L	SW-846 6010B	P
Calcium	5.00	5.36	107	mg/L	SW-846 6010B	P
Chromium	0.500	0.510	102	mg/L	SW-846 6010B	P
Cobalt	0.500	0.510	102	mg/L	SW-846 6010B	P
Copper	0.500	0.500	100	mg/L	SW-846 6010B	P
Iron	5.00	5.44	109	mg/L	SW-846 6010B	P
Lead	0.500	0.510	102	mg/L	SW-846 6010B	P
Lithium	0.500	0.630	126	mg/L	SW-846 6010B	P
Magnesium	5.00	5.46	109	mg/L	SW-846 6010B	P
Manganese	0.500	0.510	103	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.500	99	mg/L	SW-846 6010B	P
Nickel	0.500	0.510	102	mg/L	SW-846 6010B	P
Potassium	10.0	10.7	107	mg/L	SW-846 6010B	P
Selenium	0.500	0.500	99	mg/L	SW-846 6010B	P
Silicon	5.00	5.39	108	mg/L	SW-846 6010B	P
Silver	0.500	0.510	102	mg/L	SW-846 6010B	P
Sodium	20.0	19.5	98	mg/L	SW-846 6010B	P
Strontium	0.500	0.470	94	mg/L	SW-846 6010B	P
Thallium	0.500	0.510	102	mg/L	SW-846 6010B	P
Tin	0.500	0.500	100	mg/L	SW-846 6010B	P
Titanium	0.500	0.510	102	mg/L	SW-846 6010B	P
Vanadium	0.500	0.500	100	mg/L	SW-846 6010B	P
Zinc	0.500	0.510	102	mg/L	SW-846 6010B	P
Zirconium	0.500	0.510	102	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-7-1 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 12/22/07 Time: 2031

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.05	101	mg/L	SW-846 6010B	P
Antimony	0.500	0.520	104	mg/L	SW-846 6010B	P
Arsenic	0.500	0.520	105	mg/L	SW-846 6010B	P
Barium	0.500	0.510	102	mg/L	SW-846 6010B	P
Beryllium	0.500	0.510	103	mg/L	SW-846 6010B	P
Boron	2.50	2.55	102	mg/L	SW-846 6010B	P
Cadmium	0.500	0.510	102	mg/L	SW-846 6010B	P
Calcium	5.00	5.10	102	mg/L	SW-846 6010B	P
Chromium	0.500	0.510	102	mg/L	SW-846 6010B	P
Cobalt	0.500	0.510	102	mg/L	SW-846 6010B	P
Copper	0.500	0.510	102	mg/L	SW-846 6010B	P
Iron	5.00	5.05	101	mg/L	SW-846 6010B	P
Lead	0.500	0.510	101	mg/L	SW-846 6010B	P
Lithium	0.500	0.510	103	mg/L	SW-846 6010B	P
Magnesium	5.00	5.14	103	mg/L	SW-846 6010B	P
Manganese	0.500	0.510	102	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.500	100	mg/L	SW-846 6010B	P
Nickel	0.500	0.520	103	mg/L	SW-846 6010B	P
Potassium	10.0	9.81	98	mg/L	SW-846 6010B	P
Selenium	0.500	0.510	102	mg/L	SW-846 6010B	P
Silicon	5.00	5.07	101	mg/L	SW-846 6010B	P
Silver	0.500	0.510	102	mg/L	SW-846 6010B	P
Sodium	20.0	19.3	97	mg/L	SW-846 6010B	P
Strontium	0.500	0.490	97	mg/L	SW-846 6010B	P
Thallium	0.500	0.520	104	mg/L	SW-846 6010B	P
Tin	0.500	0.510	102	mg/L	SW-846 6010B	P
Titanium	0.500	0.510	102	mg/L	SW-846 6010B	P
Vanadium	0.500	0.510	101	mg/L	SW-846 6010B	P
Zinc	0.500	0.510	102	mg/L	SW-846 6010B	P
Zirconium	0.500	0.510	101	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-7-1 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 12/22/07 Time: 2156

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.13	103	mg/L	SW-846 6010B	P
Antimony	0.500	0.530	105	mg/L	SW-846 6010B	P
Arsenic	0.500	0.520	105	mg/L	SW-846 6010B	P
Barium	0.500	0.510	102	mg/L	SW-846 6010B	P
Beryllium	0.500	0.510	102	mg/L	SW-846 6010B	P
Boron	2.50	2.52	101	mg/L	SW-846 6010B	P
Cadmium	0.500	0.510	101	mg/L	SW-846 6010B	P
Calcium	5.00	5.09	102	mg/L	SW-846 6010B	P
Chromium	0.500	0.510	103	mg/L	SW-846 6010B	P
Cobalt	0.500	0.510	103	mg/L	SW-846 6010B	P
Copper	0.500	0.500	101	mg/L	SW-846 6010B	P
Iron	5.00	5.04	101	mg/L	SW-846 6010B	P
Lead	0.500	0.510	102	mg/L	SW-846 6010B	P
Lithium	0.500	0.510	101	mg/L	SW-846 6010B	P
Magnesium	5.00	5.17	103	mg/L	SW-846 6010B	P
Manganese	0.500	0.510	103	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.500	101	mg/L	SW-846 6010B	P
Nickel	0.500	0.520	104	mg/L	SW-846 6010B	P
Potassium	10.0	10.1	101	mg/L	SW-846 6010B	P
Selenium	0.500	0.500	100	mg/L	SW-846 6010B	P
Silicon	5.00	5.12	102	mg/L	SW-846 6010B	P
Silver	0.500	0.510	101	mg/L	SW-846 6010B	P
Sodium	20.0	19.7	98	mg/L	SW-846 6010B	P
Strontium	0.500	0.490	98	mg/L	SW-846 6010B	P
Thallium	0.500	0.530	106	mg/L	SW-846 6010B	P
Tin	0.500	0.520	104	mg/L	SW-846 6010B	P
Titanium	0.500	0.510	102	mg/L	SW-846 6010B	P
Vanadium	0.500	0.500	100	mg/L	SW-846 6010B	P
Zinc	0.500	0.510	101	mg/L	SW-846 6010B	P
Zirconium	0.500	0.510	102	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-7-1 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 12/22/07 Time: 2321

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.14	103	mg/L	SW-846 6010B	P
Antimony	0.500	0.520	105	mg/L	SW-846 6010B	P
Arsenic	0.500	0.510	102	mg/L	SW-846 6010B	P
Barium	0.500	0.500	100	mg/L	SW-846 6010B	P
Beryllium	0.500	0.510	102	mg/L	SW-846 6010B	P
Boron	2.50	2.48	99	mg/L	SW-846 6010B	P
Cadmium	0.500	0.500	100	mg/L	SW-846 6010B	P
Calcium	5.00	5.07	101	mg/L	SW-846 6010B	P
Chromium	0.500	0.510	102	mg/L	SW-846 6010B	P
Cobalt	0.500	0.510	102	mg/L	SW-846 6010B	P
Copper	0.500	0.500	99	mg/L	SW-846 6010B	P
Iron	5.00	4.97	99	mg/L	SW-846 6010B	P
Lead	0.500	0.510	101	mg/L	SW-846 6010B	P
Lithium	0.500	0.500	100	mg/L	SW-846 6010B	P
Magnesium	5.00	5.15	103	mg/L	SW-846 6010B	P
Manganese	0.500	0.510	101	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.500	99	mg/L	SW-846 6010B	P
Nickel	0.500	0.510	103	mg/L	SW-846 6010B	P
Potassium	10.0	9.99	100	mg/L	SW-846 6010B	P
Selenium	0.500	0.520	104	mg/L	SW-846 6010B	P
Silicon	5.00	5.02	100	mg/L	SW-846 6010B	P
Silver	0.500	0.500	100	mg/L	SW-846 6010B	P
Sodium	20.0	19.7	98	mg/L	SW-846 6010B	P
Strontium	0.500	0.490	97	mg/L	SW-846 6010B	P
Thallium	0.500	0.520	105	mg/L	SW-846 6010B	P
Tin	0.500	0.510	102	mg/L	SW-846 6010B	P
Titanium	0.500	0.510	101	mg/L	SW-846 6010B	P
Vanadium	0.500	0.500	99	mg/L	SW-846 6010B	P
Zinc	0.500	0.500	101	mg/L	SW-846 6010B	P
Zirconium	0.500	0.500	101	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-6-1 CPI Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 12/21/07 Time: 0913

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00514	103	mg/L	SW-846 7471A	AV

ICV CONTROL LIMITS EPA 6010B = 90-110 EPA 200.7 = 95-105

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-5-10 EXAXOL Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 12/21/07 Time: 0917

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00503	101	mg/L	SW-846 7471A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-5-10 EXAXOL Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 12/21/07 Time: 0936

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00537	107	mg/L	SW-846 7471A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-5-10 EXAXOL Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 12/21/07 Time: 0959

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00435	87	mg/L	SW-846 7471A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-5-10 EXAXOL Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 12/21/07 Time: 1021

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00467	93	mg/L	SW-846 7471A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-6-1 CPI Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 12/22/07 Time: 0946

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00512	102	mg/L	SW-846 7470A	AV

ICV CONTROL LIMITS EPA 6010B = 90-110 EPA 200.7 = 95-105

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-5-10 EXAXOL Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 12/22/07 Time: 0949

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00485	97	mg/L	SW-846 7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-5-10 EXAXOL Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 12/22/07 Time: 1009

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00429	86	mg/L	SW-846 7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Calibration Source: 173-5-10 EXAXOL Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 12/22/07 Time: 1030

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00522	104	mg/L	SW-846 7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: ICB
ICAL ID: 3

Lab Sample DESC: ICB FOR HBN 363975 [ICP/4731]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5
Date Analyzed: 12/22/07 Time: 1330

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/kg	0.019	0.20	SW-846 6010B	P
Antimony	0.0064	B	mg/kg	0.0027	0.060	SW-846 6010B	P
Arsenic	0.010	U	mg/kg	0.0030	0.010	SW-846 6010B	P
Barium	0.010	U	mg/kg	0.00032	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/kg	0.00025	0.0050	SW-846 6010B	P
Boron	1.00	U	mg/kg	0.030	1.00	SW-846 6010B	P
Cadmium	0.00033	B	mg/kg	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/kg	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/kg	0.00031	0.010	SW-846 6010B	P
Copper	0.010	U	mg/kg	0.0017	0.010	SW-846 6010B	P
Iron	0.10	U	mg/kg	0.012	0.10	SW-846 6010B	P
Lead	0.015	U	mg/kg	0.0018	0.015	SW-846 6010B	P
Lithium	0.050	U	mg/kg	0.0027	0.050	SW-846 6010B	P
Manganese	0.015	U	mg/kg	0.0011	0.015	SW-846 6010B	P
Molybdenum	0.050	U	mg/kg	0.0017	0.050	SW-846 6010B	P
Nickel	0.00049	B	mg/kg	0.00042	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/kg	0.0031	0.040	SW-846 6010B	P
Silver	0.010	U	mg/kg	0.00071	0.010	SW-846 6010B	P
Strontium	0.050	U	mg/kg	0.00058	0.050	SW-846 6010B	P
Thallium	0.0041	B	mg/kg	0.0019	0.020	SW-846 6010B	P
Tin	0.0051	B	mg/kg	0.0027	0.025	SW-846 6010B	P
Titanium	0.10	U	mg/kg	0.00035	0.10	SW-846 6010B	P
Vanadium	0.020	U	mg/kg	0.0012	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/kg	0.0030	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: CCB
ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 363975 [ICP/4731]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5
Date Analyzed: 12/22/07 Time: 1431

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.081	B	mg/kg	0.019	0.20	SW-846 6010B	P
Antimony	0.0086	B	mg/kg	0.0027	0.060	SW-846 6010B	P
Arsenic	0.010	U	mg/kg	0.0030	0.010	SW-846 6010B	P
Barium	0.010	U	mg/kg	0.00032	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/kg	0.00025	0.0050	SW-846 6010B	P
Boron	1.00	U	mg/kg	0.030	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/kg	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/kg	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/kg	0.00031	0.010	SW-846 6010B	P
Copper	0.010	U	mg/kg	0.0017	0.010	SW-846 6010B	P
Iron	0.017	B	mg/kg	0.012	0.10	SW-846 6010B	P
Lead	0.015	U	mg/kg	0.0018	0.015	SW-846 6010B	P
Lithium	0.050	U	mg/kg	0.0027	0.050	SW-846 6010B	P
Manganese	0.015	U	mg/kg	0.0011	0.015	SW-846 6010B	P
Molybdenum	0.050	U	mg/kg	0.0017	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/kg	0.00042	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/kg	0.0031	0.040	SW-846 6010B	P
Silver	0.010	U	mg/kg	0.00071	0.010	SW-846 6010B	P
Strontium	0.050	U	mg/kg	0.00058	0.050	SW-846 6010B	P
Thallium	0.0039	B	mg/kg	0.0019	0.020	SW-846 6010B	P
Tin	0.025	U	mg/kg	0.0027	0.025	SW-846 6010B	P
Titanium	0.10	U	mg/kg	0.00035	0.10	SW-846 6010B	P
Vanadium	0.0015	B	mg/kg	0.0012	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/kg	0.0030	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: 558100
ICAL ID: 3

Lab Sample DESC: MB558100
Preparation Blank Matrix: (soil / water) Water

Instrument ID: ICP5
Date Analyzed: 12/22/07 Time: 1440

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.067	B	mg/L	0.019	0.20	SW-846 6010B	P
Antimony	0.0065	B	mg/L	0.0027	0.060	SW-846 6010B	P
Arsenic	0.010	U	mg/L	0.0030	0.010	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00032	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00025	0.0050	SW-846 6010B	P
Boron	1.00	U	mg/L	0.030	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00031	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0017	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.012	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0018	0.015	SW-846 6010B	P
Lithium	0.050	U	mg/L	0.0027	0.050	SW-846 6010B	P
Manganese	0.015	U	mg/L	0.0011	0.015	SW-846 6010B	P
Molybdenum	0.050	U	mg/L	0.0017	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00042	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0031	0.040	SW-846 6010B	P
Silver	0.010	U	mg/L	0.00071	0.010	SW-846 6010B	P
Strontium	0.050	U	mg/L	0.00058	0.050	SW-846 6010B	P
Thallium	0.011	B	mg/L	0.0019	0.020	SW-846 6010B	P
Tin	0.025	U	mg/L	0.0027	0.025	SW-846 6010B	P
Titanium	0.10	U	mg/L	0.00035	0.10	SW-846 6010B	P
Vanadium	0.020	U	mg/L	0.0012	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0030	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab Sample ID: CCB ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 363975 [ICP/4731] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5 Date Analyzed: 12/22/07 Time: 1559

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/kg	0.019	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/kg	0.0027	0.060	SW-846 6010B	P
Arsenic	0.010	U	mg/kg	0.0030	0.010	SW-846 6010B	P
Barium	0.010	U	mg/kg	0.00032	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/kg	0.00025	0.0050	SW-846 6010B	P
Boron	0.034	B	mg/kg	0.030	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/kg	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/kg	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/kg	0.00031	0.010	SW-846 6010B	P
Copper	0.010	U	mg/kg	0.0017	0.010	SW-846 6010B	P
Iron	0.10	U	mg/kg	0.012	0.10	SW-846 6010B	P
Lead	0.015	U	mg/kg	0.0018	0.015	SW-846 6010B	P
Lithium	0.050	U	mg/kg	0.0027	0.050	SW-846 6010B	P
Manganese	0.015	U	mg/kg	0.0011	0.015	SW-846 6010B	P
Molybdenum	0.050	U	mg/kg	0.0017	0.050	SW-846 6010B	P
Nickel	0.00050	B	mg/kg	0.00042	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/kg	0.0031	0.040	SW-846 6010B	P
Silver	0.010	U	mg/kg	0.00071	0.010	SW-846 6010B	P
Strontium	0.050	U	mg/kg	0.00058	0.050	SW-846 6010B	P
Thallium	0.0035	B	mg/kg	0.0019	0.020	SW-846 6010B	P
Tin	0.0032	B	mg/kg	0.0027	0.025	SW-846 6010B	P
Titanium	0.10	U	mg/kg	0.00035	0.10	SW-846 6010B	P
Vanadium	0.020	U	mg/kg	0.0012	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/kg	0.0030	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: CCB
ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 363975 [ICP/4731]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5
Date Analyzed: 12/22/07 Time: 1725

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/kg	0.019	0.20	SW-846 6010B	P
Antimony	0.0069	B	mg/kg	0.0027	0.060	SW-846 6010B	P
Arsenic	0.010	U	mg/kg	0.0030	0.010	SW-846 6010B	P
Barium	0.010	U	mg/kg	0.00032	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/kg	0.00025	0.0050	SW-846 6010B	P
Boron	1.00	U	mg/kg	0.030	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/kg	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/kg	0.00090	0.010	SW-846 6010B	P
Cobalt	0.00068	B	mg/kg	0.00031	0.010	SW-846 6010B	P
Copper	0.010	U	mg/kg	0.0017	0.010	SW-846 6010B	P
Iron	0.10	U	mg/kg	0.012	0.10	SW-846 6010B	P
Lead	0.015	U	mg/kg	0.0018	0.015	SW-846 6010B	P
Lithium	0.050	U	mg/kg	0.0027	0.050	SW-846 6010B	P
Manganese	0.015	U	mg/kg	0.0011	0.015	SW-846 6010B	P
Molybdenum	0.050	U	mg/kg	0.0017	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/kg	0.00042	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/kg	0.0031	0.040	SW-846 6010B	P
Silver	0.010	U	mg/kg	0.00071	0.010	SW-846 6010B	P
Strontium	0.050	U	mg/kg	0.00058	0.050	SW-846 6010B	P
Thallium	0.0061	B	mg/kg	0.0019	0.020	SW-846 6010B	P
Tin	0.025	U	mg/kg	0.0027	0.025	SW-846 6010B	P
Titanium	0.10	U	mg/kg	0.00035	0.10	SW-846 6010B	P
Vanadium	0.020	U	mg/kg	0.0012	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/kg	0.0030	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Lab Sample ID: CCB ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 363975 [ICP/4731] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5 Date Analyzed: 12/22/07 Time: 1912

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.061	B	mg/kg	0.019	0.20	SW-846 6010B	P
Antimony	0.0086	B	mg/kg	0.0027	0.060	SW-846 6010B	P
Arsenic	0.010	U	mg/kg	0.0030	0.010	SW-846 6010B	P
Barium	0.010	U	mg/kg	0.00032	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/kg	0.00025	0.0050	SW-846 6010B	P
Boron	1.00	U	mg/kg	0.030	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/kg	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/kg	0.00090	0.010	SW-846 6010B	P
Cobalt	0.00038	B	mg/kg	0.00031	0.010	SW-846 6010B	P
Copper	0.010	U	mg/kg	0.0017	0.010	SW-846 6010B	P
Iron	0.10	U	mg/kg	0.012	0.10	SW-846 6010B	P
Lead	0.015	U	mg/kg	0.0018	0.015	SW-846 6010B	P
Lithium	0.050	U	mg/kg	0.0027	0.050	SW-846 6010B	P
Manganese	0.015	U	mg/kg	0.0011	0.015	SW-846 6010B	P
Molybdenum	0.050	U	mg/kg	0.0017	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/kg	0.00042	0.040	SW-846 6010B	P
Selenium	0.0036	B	mg/kg	0.0031	0.040	SW-846 6010B	P
Silver	0.010	U	mg/kg	0.00071	0.010	SW-846 6010B	P
Strontium	0.050	U	mg/kg	0.00058	0.050	SW-846 6010B	P
Thallium	0.020	U	mg/kg	0.0019	0.020	SW-846 6010B	P
Tin	0.025	U	mg/kg	0.0027	0.025	SW-846 6010B	P
Titanium	0.00083	B	mg/kg	0.00035	0.10	SW-846 6010B	P
Vanadium	0.020	U	mg/kg	0.0012	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/kg	0.0030	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: CCB
ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 363975 [ICP/4731]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5
Date Analyzed: 12/22/07 Time: 2038

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.12	B	mg/kg	0.019	0.20	SW-846 6010B	P
Antimony	0.0032	B	mg/kg	0.0027	0.060	SW-846 6010B	P
Arsenic	0.010	U	mg/kg	0.0030	0.010	SW-846 6010B	P
Barium	0.010	U	mg/kg	0.00032	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/kg	0.00025	0.0050	SW-846 6010B	P
Boron	1.00	U	mg/kg	0.030	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/kg	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/kg	0.00090	0.010	SW-846 6010B	P
Cobalt	0.00032	B	mg/kg	0.00031	0.010	SW-846 6010B	P
Copper	0.010	U	mg/kg	0.0017	0.010	SW-846 6010B	P
Iron	0.10	U	mg/kg	0.012	0.10	SW-846 6010B	P
Lead	0.015	U	mg/kg	0.0018	0.015	SW-846 6010B	P
Lithium	0.050	U	mg/kg	0.0027	0.050	SW-846 6010B	P
Manganese	0.015	U	mg/kg	0.0011	0.015	SW-846 6010B	P
Molybdenum	0.050	U	mg/kg	0.0017	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/kg	0.00042	0.040	SW-846 6010B	P
Selenium	0.0039	B	mg/kg	0.0031	0.040	SW-846 6010B	P
Silver	0.010	U	mg/kg	0.00071	0.010	SW-846 6010B	P
Strontium	0.050	U	mg/kg	0.00058	0.050	SW-846 6010B	P
Thallium	0.020	U	mg/kg	0.0019	0.020	SW-846 6010B	P
Tin	0.025	U	mg/kg	0.0027	0.025	SW-846 6010B	P
Titanium	0.10	U	mg/kg	0.00035	0.10	SW-846 6010B	P
Vanadium	0.020	U	mg/kg	0.0012	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/kg	0.0030	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: 558098
ICAL ID: 3

Lab Sample DESC: MB558098
Preparation Blank Matrix: (soil / water) Soil

Instrument ID: ICP5
Date Analyzed: 12/22/07 Time: 2045

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	5.41	B	mg/kg	0.82	8.00	SW-846 6010B	P
Antimony	2.40	U	mg/kg	0.16	2.40	SW-846 6010B	P
Arsenic	1.60	U	mg/kg	0.10	1.60	SW-846 6010B	P
Barium	0.40	U	mg/kg	0.014	0.40	SW-846 6010B	P
Beryllium	0.20	U	mg/kg	0.0040	0.20	SW-846 6010B	P
Boron	40.0	U	mg/kg	1.11	40.0	SW-846 6010B	P
Cadmium	0.20	U	mg/kg	0.0050	0.20	SW-846 6010B	P
Chromium	0.40	U	mg/kg	0.015	0.40	SW-846 6010B	P
Cobalt	0.40	U	mg/kg	0.012	0.40	SW-846 6010B	P
Copper	0.40	U	mg/kg	0.17	0.40	SW-846 6010B	P
Iron	4.00	U	mg/kg	1.25	4.00	SW-846 6010B	P
Lead	0.60	U	mg/kg	0.057	0.60	SW-846 6010B	P
Lithium	2.00	U	mg/kg	0.24	2.00	SW-846 6010B	P
Manganese	0.60	U	mg/kg	0.11	0.60	SW-846 6010B	P
Molybdenum	1.20	U	mg/kg	0.061	1.20	SW-846 6010B	P
Nickel	1.60	U	mg/kg	0.035	1.60	SW-846 6010B	P
Selenium	1.60	U	mg/kg	0.14	1.60	SW-846 6010B	P
Silver	0.40	U	mg/kg	0.023	0.40	SW-846 6010B	P
Strontium	0.40	U	mg/kg	0.034	0.40	SW-846 6010B	P
Thallium	0.80	U	mg/kg	0.14	0.80	SW-846 6010B	P
Tin	1.0	B	mg/kg	0.33	4.00	SW-846 6010B	P
Titanium	0.035	B	mg/kg	0.024	4.00	SW-846 6010B	P
Vanadium	0.80	U	mg/kg	0.047	0.80	SW-846 6010B	P
Zinc	0.42	B	mg/kg	0.18	0.80	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: CCB
ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 363975 [ICP/4731]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5
Date Analyzed: 12/22/07 Time: 2204

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.18	B	mg/kg	0.019	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/kg	0.0027	0.060	SW-846 6010B	P
Arsenic	0.010	U	mg/kg	0.0030	0.010	SW-846 6010B	P
Barium	0.010	U	mg/kg	0.00032	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/kg	0.00025	0.0050	SW-846 6010B	P
Boron	0.041	B	mg/kg	0.030	1.00	SW-846 6010B	P
Cadmium	0.00034	B	mg/kg	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/kg	0.00090	0.010	SW-846 6010B	P
Cobalt	0.00070	B	mg/kg	0.00031	0.010	SW-846 6010B	P
Copper	0.010	U	mg/kg	0.0017	0.010	SW-846 6010B	P
Iron	0.022	B	mg/kg	0.012	0.10	SW-846 6010B	P
Lead	0.015	U	mg/kg	0.0018	0.015	SW-846 6010B	P
Lithium	0.050	U	mg/kg	0.0027	0.050	SW-846 6010B	P
Manganese	0.015	U	mg/kg	0.0011	0.015	SW-846 6010B	P
Molybdenum	0.050	U	mg/kg	0.0017	0.050	SW-846 6010B	P
Nickel	0.00078	B	mg/kg	0.00042	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/kg	0.0031	0.040	SW-846 6010B	P
Silver	0.010	U	mg/kg	0.00071	0.010	SW-846 6010B	P
Strontium	0.050	U	mg/kg	0.00058	0.050	SW-846 6010B	P
Thallium	0.0080	B	mg/kg	0.0019	0.020	SW-846 6010B	P
Tin	0.025	U	mg/kg	0.0027	0.025	SW-846 6010B	P
Titanium	0.0011	B	mg/kg	0.00035	0.10	SW-846 6010B	P
Vanadium	0.020	U	mg/kg	0.0012	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/kg	0.0030	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: CCB
ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 363975 [ICP/4731]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5
Date Analyzed: 12/22/07 Time: 2329

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.24		mg/kg	0.019	0.20	SW-846 6010B	P
Antimony	0.0056	B	mg/kg	0.0027	0.060	SW-846 6010B	P
Arsenic	0.010	U	mg/kg	0.0030	0.010	SW-846 6010B	P
Barium	0.010	U	mg/kg	0.00032	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/kg	0.00025	0.0050	SW-846 6010B	P
Boron	0.034	B	mg/kg	0.030	1.00	SW-846 6010B	P
Cadmium	0.00031	B	mg/kg	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/kg	0.00090	0.010	SW-846 6010B	P
Cobalt	0.00047	B	mg/kg	0.00031	0.010	SW-846 6010B	P
Copper	0.010	U	mg/kg	0.0017	0.010	SW-846 6010B	P
Iron	0.10	U	mg/kg	0.012	0.10	SW-846 6010B	P
Lead	0.015	U	mg/kg	0.0018	0.015	SW-846 6010B	P
Lithium	0.050	U	mg/kg	0.0027	0.050	SW-846 6010B	P
Manganese	0.015	U	mg/kg	0.0011	0.015	SW-846 6010B	P
Molybdenum	0.050	U	mg/kg	0.0017	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/kg	0.00042	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/kg	0.0031	0.040	SW-846 6010B	P
Silver	0.010	U	mg/kg	0.00071	0.010	SW-846 6010B	P
Strontium	0.050	U	mg/kg	0.00058	0.050	SW-846 6010B	P
Thallium	0.0068	B	mg/kg	0.0019	0.020	SW-846 6010B	P
Tin	0.0028	B	mg/kg	0.0027	0.025	SW-846 6010B	P
Titanium	0.0021	B	mg/kg	0.00035	0.10	SW-846 6010B	P
Vanadium	0.020	U	mg/kg	0.0012	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/kg	0.0030	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: ICB
ICAL ID: 1

Lab Sample DESC: ICB FOR HBN 363903 [HG/3708]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 12/21/07 Time: 0915

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/kg	0.000080	0.00020	SW-846 7471A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 363903 [HG/3708]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 12/21/07 Time: 0918

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/kg	0.000080	0.00020	SW-846 7471A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 363903 [HG/3708]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 12/21/07 Time: 0938

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/kg	0.000080	0.00020	SW-846 7471A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: 558104
ICAL ID: 1

Lab Sample DESC: MB558104
Preparation Blank Matrix: (soil / water) Soil

Instrument ID: FIMS1
Date Analyzed: 12/21/07 Time: 0951

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.0069	B	mg/kg	0.0039	0.010	SW-846 7471A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 363903 [HG/3708]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 12/21/07 Time: 1000

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/kg	0.000080	0.00020	SW-846 7471A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 363903 [HG/3708]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 12/21/07 Time: 1023

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/kg	0.000080	0.00020	SW-846 7471A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: ICB
ICAL ID: 2

Lab Sample DESC: ICB FOR HBN 363960 [HG/3710]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 12/22/07 Time: 0948

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 7470A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: CCB
ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 363960 [HG/3710]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 12/22/07 Time: 0951

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 7470A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: 558312
ICAL ID: 2

Lab Sample DESC: MB558312
Preparation Blank Matrix: (soil / water) Water

Instrument ID: FIMS1
Date Analyzed: 12/22/07 Time: 1004

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 7470A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: CCB
ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 363960 [HG/3710]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 12/22/07 Time: 1011

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 7470A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207122020

Lab Sample ID: CCB
ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 363960 [HG/3710]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 12/22/07 Time: 1032

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 7470A	AV

ICP INTERFERENCE CHECK SAMPLE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

ICP ID Number: ICP5 ICS Source: 173-5-6 SPEX~173-6-7 SPEX

Concentration Units: mg/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	200	200	196	198	99			
Antimony	0	1.00		1.03	103			
Arsenic	0	1.00		1.02	102			
Barium	0	0.50		0.50	100			
Beryllium	0	0.50		0.54	108			
Boron	0	1.00		0.97	97			
Cadmium	0	1.00		0.98	98			
Calcium	200	200	195	195	98			
Chromium	0	0.50		0.49	98			
Cobalt	0	0.50		0.45	90			
Copper	0	0.50		0.50	100			
Iron	80.0	80.0	76.0	77.2	96			
Lead	0	1.00		0.99	99			
Magnesium	200	200	186	189	94			
Manganese	0	0.50		0.49	98			
Molybdenum	0	1.00		0.99	99			
Nickel	0	1.00		0.93	93			
Selenium	0	1.00		1.04	104			
Silver	0	1.00		1.04	104			
Thallium	0	1.00		1.04	104			
Vanadium	0	0.50		0.47	94			
Zinc	0	1.00		1.00	100			

MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix Spike - EPA Sample No: 2WSED9 (1-2) Method SW-846 6010B

SAMPLE NO. : 20712202002

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*#*	*QC. LIMITS*
Aluminum	mg/kg	244	12300	17700	2230	N	75 - 125
Antimony	mg/kg	24.4	4.24	13.3	37	N	75 - 125
Arsenic	mg/kg	24.4	0	19.5	80		75 - 125
Barium	mg/kg	24.4	94.9	144	200	N	75 - 125
Beryllium	mg/kg	24.4	.7	24.9	99		75 - 125
Boron	mg/kg	122	11.7	111	82		75 - 125
Cadmium	mg/kg	24.4	.078	21.2	87		75 - 125
Chromium	mg/kg	24.4	13.6	40.1	109		75 - 125
Cobalt	mg/kg	24.4	7.52	28.8	87		75 - 125
Copper	mg/kg	24.4	8.97	32.8	98		75 - 125
Iron	mg/kg	244	15100	17300	899	N	75 - 125
Lead	mg/kg	24.4	10.7	32.4	89		75 - 125
Lithium	mg/kg	24.4	17.5	42.6	103		75 - 125
Manganese	mg/kg	24.4	606	572	-100	N	75 - 125
Mercury	mg/kg	.3	.024	.37	114		75 - 125
Molybdenum	mg/kg	24.4	0	18.4	75		75 - 125
Nickel	mg/kg	24.4	15.5	36.2	85		75 - 125
Selenium	mg/kg	24.4	0	20.8	85		75 - 125
Silver	mg/kg	24.4	0	22	90		75 - 125
Strontium	mg/kg	24.4	77.2	93.6	67	N	75 - 125
Thallium	mg/kg	24.4	0	20.2	83		75 - 125
Tin	mg/kg	24.4	0	17.8	73	N	75 - 125
Titanium	mg/kg	24.4	28	62.6	142	N	75 - 125
Vanadium	mg/kg	24.4	23.8	51.7	114		75 - 125
Zinc	mg/kg	24.4	32.7	60.9	115		75 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 out of 25 outside limits

Spike Recovery: 15 out of 50 outside limits

MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix Spike - EPA Sample No: 2WSED9 (1-2) Method SW-846 6010B

SAMPLE NO. : 20712202003

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	#	*% RPD*	#	*QC. LIMITS REC*	*RPD*
Aluminum	mg/kg	244	18300	2450	N	3		75 - 125	0 - 20
Antimony	mg/kg	24.4	13.7	39	N	3		75 - 125	0 - 20
Arsenic	mg/kg	24.4	18.7	77		4		75 - 125	0 - 20
Barium	mg/kg	24.4	128	136	N	12		75 - 125	0 - 20
Beryllium	mg/kg	24.4	25.4	101		2		75 - 125	0 - 20
Boron	mg/kg	122	117	86		5		75 - 125	0 - 20
Cadmium	mg/kg	24.4	21.9	90		3		75 - 125	0 - 20
Chromium	mg/kg	24.4	41.6	115		4		75 - 125	0 - 20
Cobalt	mg/kg	24.4	27.1	80		6		75 - 125	0 - 20
Copper	mg/kg	24.4	33.3	100		1		75 - 125	0 - 20
Iron	mg/kg	244	16400	527	N	6		75 - 125	0 - 20
Lead	mg/kg	24.4	31.8	87		2		75 - 125	0 - 20
Lithium	mg/kg	24.4	43.1	105		.9		75 - 125	0 - 20
Manganese	mg/kg	24.4	334	-1000	N	52	*	75 - 125	0 - 20
Mercury	mg/kg	.3	.39	119		6		75 - 125	0 - 20
Molybdenum	mg/kg	24.4	19.7	81		7		75 - 125	0 - 20
Nickel	mg/kg	24.4	36.1	84		.3		75 - 125	0 - 20
Selenium	mg/kg	24.4	21.4	88		3		75 - 125	0 - 20
Silver	mg/kg	24.4	22.9	94		4		75 - 125	0 - 20
Strontium	mg/kg	24.4	88.7	47	N	5		75 - 125	0 - 20
Thallium	mg/kg	24.4	20.6	85		2		75 - 125	0 - 20
Tin	mg/kg	24.4	18.7	76		5		75 - 125	0 - 20
Titanium	mg/kg	24.4	66.5	158	N	6		75 - 125	0 - 20
Vanadium	mg/kg	24.4	49.8	106		4		75 - 125	0 - 20
Zinc	mg/kg	24.4	61.8	119		2		75 - 125	0 - 20

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 out of 25 outside limits

Spike Recovery: 15 out of 50 outside limits

FORM V (PART 1) - IN

169832

MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix Spike - EPA Sample No: MW-1 Method SW-846 6010B

SAMPLE NO. : 558103

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	#	*QC. LIMITS*
Aluminum	mg/L	5	3.55	9.57	120		75 - 125
Antimony	mg/L	.5	.0034	.53	106		75 - 125
Arsenic	mg/L	.5	.0039	.56	110		75 - 125
Barium	mg/L	.5	.015	.54	105		75 - 125
Beryllium	mg/L	.5	0	.55	109		75 - 125
Boron	mg/L	2.5	.055	2.72	107		75 - 125
Cadmium	mg/L	.5	.0008	.53	107		75 - 125
Chromium	mg/L	.5	.0032	.53	106		75 - 125
Cobalt	mg/L	.5	0	.53	106		75 - 125
Copper	mg/L	.5	0	.53	105		75 - 125
Iron	mg/L	5	1.97	7.32	107		75 - 125
Lead	mg/L	.5	0	.53	107		75 - 125
Lithium	mg/L	.5	0	.49	99		75 - 125
Manganese	mg/L	.5	.0019	.53	105		75 - 125
Molybdenum	mg/L	.5	.0056	.53	104		75 - 125
Nickel	mg/L	.5	0	.54	107		75 - 125
Selenium	mg/L	.5	0	.55	110		75 - 125
Silver	mg/L	.5	0	.52	104		75 - 125
Strontium	mg/L	.5	.021	.53	102		75 - 125
Thallium	mg/L	.5	.0046	.53	105		75 - 125
Tin	mg/L	.5	0	.53	106		75 - 125
Titanium	mg/L	.5	.02	.55	106		75 - 125
Vanadium	mg/L	.5	.011	.54	107		75 - 125
Zinc	mg/L	.5	.016	.55	107		75 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 0 outside limits

Spike Recovery: 0 out of 24 outside limits

FORM V (PART 1) - IN

169833

MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix Spike - EPA Sample No: B2-07-GW Method SW-846 7470A

SAMPLE NO. : 558315

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	#	*QC. LIMITS*
Mercury	mg/L	.005	0	.00375	75		75 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 0 outside limits

Spike Recovery: 0 out of 1 outside limits

FORM V (PART 1) - IN

169834

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: GCAL
Sample ID: 2WSED9 (1-2)PDS

Lab Code: LA024 Case No.:
Contract:

Matrix: (soil / water) Soil
SAS No.: SDG No.: 207122020

Level: (low / med)
Lab Sample ID: 558964

Orig Lab Sample ID: 20712202001

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Aluminum	75	125	12200		12300		244	-60	N	mg/kg	SW-846 6010B	P
Antimony	75	125	32.8		4.24		24.4	117		mg/kg	SW-846 6010B	P
Arsenic	75	125	20.3		0	U	24.4	83		mg/kg	SW-846 6010B	P
Barium	75	125	116		94.9		24.4	86		mg/kg	SW-846 6010B	P
Beryllium	75	125	24.1		.7		24.4	96		mg/kg	SW-846 6010B	P
Boron	75	125	159		11.7	B	122	121		mg/kg	SW-846 6010B	P
Cadmium	75	125	20.6		.078	B	24.4	84		mg/kg	SW-846 6010B	P
Chromium	75	125	35.1		13.6		24.4	88		mg/kg	SW-846 6010B	P
Cobalt	75	125	28.2		7.52		24.4	85		mg/kg	SW-846 6010B	P
Copper	75	125	31.6		8.97		24.4	93		mg/kg	SW-846 6010B	P
Iron	75	125	15000		15100		244	-30	N	mg/kg	SW-846 6010B	P
Lead	75	125	31.7		10.7		24.4	86		mg/kg	SW-846 6010B	P
Lithium	75	125	39.3		17.5		24.4	89		mg/kg	SW-846 6010B	P
Manganese	75	125	626		606		24.4	81		mg/kg	SW-846 6010B	P
Molybdenum	75	125	27.3		0	U	24.4	112		mg/kg	SW-846 6010B	P
Nickel	75	125	35.9		15.5		24.4	84		mg/kg	SW-846 6010B	P
Selenium	75	125	21.2		0	U	24.4	87		mg/kg	SW-846 6010B	P
Silver	75	125	20.9		0	U	24.4	86		mg/kg	SW-846 6010B	P
Strontium	75	125	92.9		77.2		24.4	64	N	mg/kg	SW-846 6010B	P
Thallium	75	125	19.8		0	U	24.4	81		mg/kg	SW-846 6010B	P
Tin	75	125	22.7		0	U	24.4	93		mg/kg	SW-846 6010B	P
Titanium	75	125	57		28		24.4	119		mg/kg	SW-846 6010B	P
Vanadium	75	125	45.9		23.8		24.4	90		mg/kg	SW-846 6010B	P
Zinc	75	125	53.8		32.7		24.4	86		mg/kg	SW-846 6010B	P

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: GCAL
Sample ID: MW-1PDS

Lab Code: LA024 Case No.:
Contract:

Matrix: (soil / water) Water
SAS No.: SDG No.: 207122020

Level: (low / med)
Lab Sample ID: 558945

Orig Lab Sample ID: 20712202101

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Aluminum	75	125	8.68		3.55		5	103		mg/L	SW-846 6010B	P
Antimony	75	125	.51		.0034	B	.5	101		mg/L	SW-846 6010B	P
Arsenic	75	125	.53		.0039	B	.5	105		mg/L	SW-846 6010B	P
Barium	75	125	.52		.015		.5	100		mg/L	SW-846 6010B	P
Beryllium	75	125	.53		0	U	.5	105		mg/L	SW-846 6010B	P
Boron	75	125	2.72		.055	B	2.5	107		mg/L	SW-846 6010B	P
Cadmium	75	125	.5		.0008	B	.5	101		mg/L	SW-846 6010B	P
Chromium	75	125	.51		.0032	B	.5	101		mg/L	SW-846 6010B	P
Cobalt	75	125	.5		0	U	.5	101		mg/L	SW-846 6010B	P
Copper	75	125	.5		0	U	.5	100		mg/L	SW-846 6010B	P
Iron	75	125	7.05		1.97		5	102		mg/L	SW-846 6010B	P
Lead	75	125	.51		0	U	.5	101		mg/L	SW-846 6010B	P
Lithium	75	125	.5		0	U	.5	100		mg/L	SW-846 6010B	P
Manganese	75	125	.5		.0019	B	.5	100		mg/L	SW-846 6010B	P
Molybdenum	75	125	.51		.0056	B	.5	100		mg/L	SW-846 6010B	P
Nickel	75	125	.51		0	U	.5	101		mg/L	SW-846 6010B	P
Selenium	75	125	.5		0	U	.5	100		mg/L	SW-846 6010B	P
Silver	75	125	.49		0	U	.5	98		mg/L	SW-846 6010B	P
Strontium	75	125	.51		.021	B	.5	98		mg/L	SW-846 6010B	P
Thallium	75	125	.52		.0046	B	.5	104		mg/L	SW-846 6010B	P
Tin	75	125	.51		0	U	.5	102		mg/L	SW-846 6010B	P
Titanium	75	125	.54		.02	B	.5	105		mg/L	SW-846 6010B	P
Vanadium	75	125	.52		.011	B	.5	101		mg/L	SW-846 6010B	P
Zinc	75	125	.52		.016	B	.5	101		mg/L	SW-846 6010B	P

DUPLICATES

Lab Name: GCAL
Sample ID: MW-1DUP
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 207122020
% Solids for Sample:
Level: (low / med)
% Solids for Duplicate:
Lab Sample ID: 558102

Analyte	LL	UL	Sample	C	Duplicate	C	RPD	Q	Units	Method	Type
Aluminum	0	20	3.55		3.64		3		mg/L	SW-846 6010B	P
Antimony	0	20	.0034	B	.011	B	106	*	mg/L	SW-846 6010B	P
Arsenic	0	20	.0039	B	.0043	B	10		mg/L	SW-846 6010B	P
Barium	0	20	.015		.016		6		mg/L	SW-846 6010B	P
Beryllium	0	20	0	U	0	U	0		mg/L	SW-846 6010B	P
Boron	0	20	.055	B	.039	B	34	*	mg/L	SW-846 6010B	P
Cadmium	0	20	.0008	B	.00086	B	7		mg/L	SW-846 6010B	P
Chromium	0	20	.0032	B	.0019	B	51	*	mg/L	SW-846 6010B	P
Cobalt	0	20	0	U	0	U	0		mg/L	SW-846 6010B	P
Copper	0	20	0	U	0	U	0		mg/L	SW-846 6010B	P
Iron	0	20	1.97		1.99		1		mg/L	SW-846 6010B	P
Lead	0	20	0	U	0	U	0		mg/L	SW-846 6010B	P
Lithium	0	20	0	U	0	U	0		mg/L	SW-846 6010B	P
Manganese	0	20	.0019	B	.0019	B	0		mg/L	SW-846 6010B	P
Molybdenum	0	20	.0056	B	.0061	B	9		mg/L	SW-846 6010B	P
Nickel	0	20	0	U	0	U	0		mg/L	SW-846 6010B	P
Selenium	0	20	0	U	0	U	0		mg/L	SW-846 6010B	P
Silver	0	20	0	U	0	U	0		mg/L	SW-846 6010B	P
Strontium	0	20	.021	B	.022	B	5		mg/L	SW-846 6010B	P
Thallium	0	20	.0046	B	.0054	B	16		mg/L	SW-846 6010B	P
Tin	0	20	0	U	0	U	0		mg/L	SW-846 6010B	P
Titanium	0	20	.02	B	.02	B	0		mg/L	SW-846 6010B	P
Vanadium	0	20	.011	B	.011	B	0		mg/L	SW-846 6010B	P
Zinc	0	20	.016	B	.014	B	13		mg/L	SW-846 6010B	P

DUPLICATES

Lab Name: GCAL
Sample ID: B2-07-GWDUP
Lab Code: LA024 Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.: SDG No.: 207122020
% Solids for Sample:
Level: (low / med)
% Solids for Duplicate:
Lab Sample ID: 558314

Analyte	LL	UL	Sample	C	Duplicate	C	RPD	Q	Units	Method	Type
Mercury	0	20	0	U	0	U	0		mg/L	SW-846 7470A	AV

FORM VI - IN

169838

LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS558099

Lab Code: LA024
Case No.:
Contract:

Matrix: (soil / water) Soil
SAS No.:
SDG No.: 207122020

Lab Sample ID: 558099
LCS Source: 334-82-4 INORGANIC VENTURES

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Aluminum	200	207	103	80	120	mg/kg	SW-846 6010B	P
Antimony	20.0	20.7	103	80	120	mg/kg	SW-846 6010B	P
Arsenic	20.0	21.0	105	80	120	mg/kg	SW-846 6010B	P
Barium	20.0	20.4	102	80	120	mg/kg	SW-846 6010B	P
Beryllium	20.0	21.0	105	80	120	mg/kg	SW-846 6010B	P
Boron	100	96.7	97	80	120	mg/kg	SW-846 6010B	P
Cadmium	20.0	20.4	102	80	120	mg/kg	SW-846 6010B	P
Chromium	20.0	20.8	104	80	120	mg/kg	SW-846 6010B	P
Cobalt	20.0	20.7	104	80	120	mg/kg	SW-846 6010B	P
Copper	20.0	20.4	102	80	120	mg/kg	SW-846 6010B	P
Iron	200	206	103	80	120	mg/kg	SW-846 6010B	P
Lead	20.0	20.6	103	80	120	mg/kg	SW-846 6010B	P
Lithium	20.0	20.2	101	80	120	mg/kg	SW-846 6010B	P
Manganese	20.0	20.6	103	80	120	mg/kg	SW-846 6010B	P
Molybdenum	20.0	20.3	101	80	120	mg/kg	SW-846 6010B	P
Nickel	20.0	20.9	104	80	120	mg/kg	SW-846 6010B	P
Selenium	20.0	20.2	101	80	120	mg/kg	SW-846 6010B	P
Silver	20.0	20.1	100	80	120	mg/kg	SW-846 6010B	P
Strontium	20.0	19.9	99	80	120	mg/kg	SW-846 6010B	P
Thallium	20.0	20.8	104	80	120	mg/kg	SW-846 6010B	P
Tin	20.0	22.4	112	80	120	mg/kg	SW-846 6010B	P
Titanium	20.0	20.8	104	80	120	mg/kg	SW-846 6010B	P
Vanadium	20.0	20.4	102	80	120	mg/kg	SW-846 6010B	P
Zinc	20.0	20.3	102	80	120	mg/kg	SW-846 6010B	P

LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS558101
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 207122020
Lab Sample ID: 558101
LCS Source: 334-82-4 INORGANIC VENTURES

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Aluminum	5.00	5.01	100	80	120	mg/L	SW-846 6010B	P
Antimony	0.50	0.50	100	80	120	mg/L	SW-846 6010B	P
Arsenic	0.50	0.51	103	80	120	mg/L	SW-846 6010B	P
Barium	0.50	0.50	100	80	120	mg/L	SW-846 6010B	P
Beryllium	0.50	0.52	104	80	120	mg/L	SW-846 6010B	P
Boron	2.50	2.49	100	80	120	mg/L	SW-846 6010B	P
Cadmium	0.50	0.51	102	80	120	mg/L	SW-846 6010B	P
Chromium	0.50	0.50	101	80	120	mg/L	SW-846 6010B	P
Cobalt	0.50	0.50	100	80	120	mg/L	SW-846 6010B	P
Copper	0.50	0.49	99	80	120	mg/L	SW-846 6010B	P
Iron	5.00	5.10	102	80	120	mg/L	SW-846 6010B	P
Lead	0.50	0.51	102	80	120	mg/L	SW-846 6010B	P
Lithium	0.50	0.51	102	80	120	mg/L	SW-846 6010B	P
Manganese	0.50	0.50	100	80	120	mg/L	SW-846 6010B	P
Molybdenum	0.50	0.49	99	80	120	mg/L	SW-846 6010B	P
Nickel	0.50	0.51	102	80	120	mg/L	SW-846 6010B	P
Selenium	0.50	0.51	101	80	120	mg/L	SW-846 6010B	P
Silver	0.50	0.50	99	80	120	mg/L	SW-846 6010B	P
Strontium	0.50	0.49	98	80	120	mg/L	SW-846 6010B	P
Thallium	0.50	0.52	103	80	120	mg/L	SW-846 6010B	P
Tin	0.50	0.52	104	80	120	mg/L	SW-846 6010B	P
Titanium	0.50	0.50	101	80	120	mg/L	SW-846 6010B	P
Vanadium	0.50	0.50	100	80	120	mg/L	SW-846 6010B	P
Zinc	0.50	0.51	101	80	120	mg/L	SW-846 6010B	P

FORM VII - IN

169840

LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS558105

Lab Code: LA024
Case No.:
Contract:

Matrix: (soil / water) Soil
SAS No.:
SDG No.: 207122020

Lab Sample ID: 558105
LCS Source: 173-5-10 EXAXOL

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Mercury	0.25	0.25	99	80	120	mg/kg	SW-846 7471A	AV

FORM VII - IN

169841

LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS558313
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 207122020
Lab Sample ID: 558313
LCS Source: 173-5-10 EXAXOL

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Mercury	0.00500	0.00472	94	80	120	mg/L	SW-846 7470A	AV

FORM VII - IN

169842

SERIAL DILUTIONS

Lab Name: GCAL
Sample ID: 2WSED9 (1-2)SD

Lab Code: LA024 Case No.
Contract:

Matrix: (soil / water) Soil
SAS No.: SDG No.: 207122020

Level: (low / med)
Org Lab Sample ID: 20712202001

Lab Sample ID: 558965

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Aluminum	0	10	12300		13100		6.5		mg/kg	SW-846 6010B	P
Antimony			4.24		4.71	B	11.1		mg/kg	SW-846 6010B	P
Arsenic			0	U	0	U			mg/kg	SW-846 6010B	P
Barium	0	10	94.9		104		9.6		mg/kg	SW-846 6010B	P
Beryllium	0	10	0.70		0.74	B	5.7		mg/kg	SW-846 6010B	P
Boron			11.7	B	20.8	B	77.8		mg/kg	SW-846 6010B	P
Cadmium			0.078	B	0.030	B	61.5		mg/kg	SW-846 6010B	P
Chromium	0	10	13.6		15.0		10.3	E	mg/kg	SW-846 6010B	P
Cobalt	0	10	7.52		8.71		15.8	E	mg/kg	SW-846 6010B	P
Copper			8.97		9.84		9.7		mg/kg	SW-846 6010B	P
Iron	0	10	15100		16600		9.9		mg/kg	SW-846 6010B	P
Lead	0	10	10.7		9.77		8.7		mg/kg	SW-846 6010B	P
Lithium	0	10	17.5		20.0		14.3	E	mg/kg	SW-846 6010B	P
Manganese	0	10	606		680		12.2	E	mg/kg	SW-846 6010B	P
Molybdenum			0	U	0	U			mg/kg	SW-846 6010B	P
Nickel	0	10	15.5		17.2		11	E	mg/kg	SW-846 6010B	P
Selenium			0	U	0	U			mg/kg	SW-846 6010B	P
Silver			0	U	0	U			mg/kg	SW-846 6010B	P
Strontium	0	10	77.2		78.9		2.2		mg/kg	SW-846 6010B	P
Thallium			0	U	0	U			mg/kg	SW-846 6010B	P
Tin			0	U	0	U			mg/kg	SW-846 6010B	P
Titanium	0	10	28.0		31.1		11.1	E	mg/kg	SW-846 6010B	P
Vanadium	0	10	23.8		24.8		4.2		mg/kg	SW-846 6010B	P
Zinc	0	10	32.7		34.3		4.9		mg/kg	SW-846 6010B	P

SERIAL DILUTIONS

Lab Name: GCAL
Sample ID: MW-1SD

Lab Code: LA024 Case No.
Contract:

Matrix: (soil / water) Water
SAS No.: SDG No.: 207122020

Level: (low / med)
Org Lab Sample ID: 20712202101

Lab Sample ID: 558946

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Aluminum	0	10	3.55		4.22		18.9	E	mg/L	SW-846 6010B	P
Antimony			0.0034	B	0.033	B	871		mg/L	SW-846 6010B	P
Arsenic			0.0039	B	0	U	100		mg/L	SW-846 6010B	P
Barium			0.015		0.014	B	6.7		mg/L	SW-846 6010B	P
Beryllium			0	U	0	U			mg/L	SW-846 6010B	P
Boron			0.055	B	0.19	B	245		mg/L	SW-846 6010B	P
Cadmium			0.00080	B	0.0021	B	163		mg/L	SW-846 6010B	P
Chromium			0.0032	B	0	U	100		mg/L	SW-846 6010B	P
Cobalt			0	U	0	U			mg/L	SW-846 6010B	P
Copper			0	U	0	U			mg/L	SW-846 6010B	P
Iron	0	10	1.97		1.96		.5		mg/L	SW-846 6010B	P
Lead			0	U	0	U			mg/L	SW-846 6010B	P
Lithium			0	U	0	U			mg/L	SW-846 6010B	P
Manganese			0.0019	B	0.014	B	637		mg/L	SW-846 6010B	P
Molybdenum			0.0056	B	0	U	100		mg/L	SW-846 6010B	P
Nickel			0	U	0	U			mg/L	SW-846 6010B	P
Selenium			0	U	0	U			mg/L	SW-846 6010B	P
Silver			0	U	0	U			mg/L	SW-846 6010B	P
Strontium			0.021	B	0.019	B	9.5		mg/L	SW-846 6010B	P
Thallium			0.0046	B	0.041	B	791		mg/L	SW-846 6010B	P
Tin			0	U	0	U			mg/L	SW-846 6010B	P
Titanium	0	10	0.020	B	0.024	B	20	E	mg/L	SW-846 6010B	P
Vanadium			0.011	B	0.013	B	18.2		mg/L	SW-846 6010B	P
Zinc			0.016	B	0.027	B	68.8		mg/L	SW-846 6010B	P

SERIAL DILUTIONS

Lab Name: GCAL
Sample ID: 2WSWD9 (1-2)SD

Lab Code: LA024 Case No.
Contract:

Matrix: (soil / water) Soil
SAS No.: SDG No.: 207122020

Level: (low / med)
Org Lab Sample ID: 20712202001

Lab Sample ID: 558392

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Mercury			0.024		0	U	100		mg/kg	SW-846 7471A	AV

FORM IX - IN

169845

SERIAL DILUTIONS

Lab Name: GCAL
Sample ID: B2-07-GWSD

Lab Code: LA024 Case No.
Contract:

Matrix: (soil / water) Water
SAS No.: SDG No.: 207122020

Level: (low / med)
Org Lab Sample ID: 20712203507

Lab Sample ID: 558481

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Mercury			0	U	0	U			mg/L	SW-846 7470A	AV

FORM IX - IN

169846

METHOD DETECTION LIMITS

Lab Name: GCAL Sample ID:

Lab Code: LA024 SDG No.: 207122020

Study Date: (P) 08/22/07 (AV) 09/12/07 Instrument ID: (P) ICP5, ICP6 (AV) FIMS1

Analyte	*MDL*	*Units*	*Type*
Aluminium	0.815	mg/kg	P
Antimony	0.16	mg/kg	P
Arsenic	0.1	mg/kg	P
Barium	0.014	mg/kg	P
Beryllium	.004	mg/kg	P
Boron	1.107	mg/kg	P
Cadmium	0.005	mg/kg	P
Chromium	0.015	mg/kg	P
Cobalt	0.012	mg/kg	P
Copper	0.17	mg/kg	P
Iron	1.252	mg/kg	P
Lead	0.057	mg/kg	P
Lithium	0.236	mg/kg	P
Manganese	0.112	mg/kg	P
Molybdenum	0.061	mg/kg	P
Mercury	0.0039	mg/kg	AV
Nickel	0.035	mg/kg	P
Selenium	0.14	mg/kg	P
Silver	.023	mg/kg	P
Strontium	0.034	mg/kg	P
Thallium	0.14	mg/kg	P
Tin	0.33	mg/kg	P
Titanium	0.024	mg/kg	P
Vanadium	.047	mg/kg	P
Zinc	0.18	mg/kg	P

METHOD DETECTION LIMITS

Lab Name: GCAL

Sample ID:

Lab Code: LA024

SDG No.: 207122020

Study Date: (P) 08/22/07(AV) 09/12/06

Instrument ID: (P) ICP5 / ICP6 (AV) FIMS1

Analyte	*MDL*	*Units*	*Type*
Aluminium	0.019	mg/L	P
Antimony	0.0027	mg/L	P
Arsenic	0.003	mg/L	P
Barium	0.00032	mg/L	P
Beryllium	.00025	mg/L	P
Boron	.030	mg/L	P
Cadmium	0.0002	mg/L	P
Chromium	0.0009	mg/L	P
Cobalt	0.00031	mg/L	P
Copper	0.0017	mg/L	P
Iron	0.012	mg/L	P
Lead	0.0018	mg/L	P
Lithium	0.0027	mg/L	P
Manganese	0.0011	mg/L	P
Mercury	0.00008	mg/L	AV
Molybdenum	0.0017	mg/L	P
Nickel	0.00042	mg/L	P
Selenium	0.0031	mg/L	P
Silver	0.00071	mg/L	P
Strotnium	0.00058	mg/L	P
Thallium	0.0019	mg/L	P
Tin	0.0027	mg/L	P
Titanium	0.00035	mg/L	P
Vanadium	0.0012	mg/L	P
Zinc	0.003	mg/L	P

FORM X - IN

169848

IEC File Name: 2070717iec

IEC File Last Saved: 7/18/2007 10:53:43 AM
Printed On: 7/18/2007 10:58:47 AM

Results Data Set Name: 2070717 IE
Method Name: ICP5Combine
Results Library: d:\pe\met\Results\Results.md

Interfering Analytes

	Analytes	Aluminum,7429-90-5	Calcium,7440-70-2	Chromium,7440-47-3	Copper,7440-50-8
1	Aluminum,7429-90-5	n/a	0.0076344	0.150467	0.0716397
2	Antimony,7440-36-0	-0.0105785	0	2.8296	0.534012
5	Arsenic,7440-38-2	-0.188683	-0.00572813	3.4852	-0.00509161
6	Barium,7440-39-3	0.00139783	0.00837425	0.280205	0.181675
7	Beryllium,7440-41-7	0	0	0.443802	0.048087
8	Boron,7440-42-8	0.0232478	-0.0142965	-0.0583568	-0.825127
9	Cadmium,7440-43-9	-0.00485939	0	0.935606	0.10555
10	Calcium,7440-70-2	0.0150433	n/a	-1.86809	0.434349
11	Chromium,7440-47-3	0.0302577	0	n/a	0.13099
12	Cobalt,7440-48-4	0.00266999	0	0.22309	0.122988
13	Copper,7440-50-8	0	0.00248923	-0.100929	n/a
14	Iron,7439-89-6	0.0331555	0.0034107	0.499646	0.100943
15	Lead,7439-92-1	-0.232643	-0.00940404	-0.638334	0.433062
16	Lithium,7439-93-2	0	0	0.0146542	0.00148098
17	Magnesium,7439-95-4	-0.0121257	0.0038489	0.044755	0.054193
18	Manganese,7439-96-5	0.00576336	0	0.179382	0.01415
19	Molybdenum,7439-98-7	-0.0171847	0.00347263	0.111992	0.0221681
20	Nickel,7440-02-0	0.00478728	0	0.0570055	0.0344194
21	Potassium,7440-09-7	-0.0641912	-0.00440587	0.678707	0.663326
23	Selenium,7782-49-2	0.0360075	-0.0036157	-0.127925	-0.0563282
24	Silicon,7440-21-3	0.00192399	0.0126132	0.0300663	-0.0508628
25	Silver,7440-22-4	0	0	-0.00643527	0.022448
26	Sodium,7440-23-5	0.0986379	0.145125	0.929888	-0.755255
27	Strontium,7440-24-6	0	0.0274416	0.0192045	0.0654278
28	Thallium,7440-28-0	-0.0236258	-0.00448479	0.288986	0.0550925
29	Tin,7440-31-5	0.00735808	-0.0117479	-0.0164178	0.00699633
30	Titanium,7440-32-6	0	0	0.0465314	0.0103506
31	Vanadium,7440-62-2	0	0	0.151052	-0.0281846
34	Zinc,7440-66-6	0	0.00275581	0.100002	0.27786
35	Zirconium,7440-67-7	0	0	0.117869	0.0788356

IEC File Name: 2070717iec

IEC File Last Saved: 7/18/2007 10:53:43 AM
Printed On: 7/18/2007 10:58:47 AM

Results Data Set Name: 2070717 IE
Method Name: ICP5Combine
Results Library: d:\pe\met\Results\Results.md

Interfering Analytes

	Analytes	Iron,7439-89-6	Magnesium,7439-95-4	Manganese,7439-96-5	Nickel,7440-02-0
1	Aluminum,7429-90-5	0.0280778	-0.0331194	1.91968	0.181449
2	Antimony,7440-36-0	-0.139434	0	0.0698546	0.188458
5	Arsenic,7440-38-2	-0.077337	-0.0048769	-0.305657	-0.689293
6	Barium,7440-39-3	0.0725039	0	0.184572	0.140732
7	Beryllium,7440-41-7	0	0	0.104789	0.278816
8	Boron,7440-42-8	-0.327442	-0.00328698	-2.23803	-0.936389
9	Cadmium,7440-43-9	0.0352542	0	0.229526	0.265442
10	Calcium,7440-70-2	0.122213	0.0653493	1.05897	0.997944
11	Chromium,7440-47-3	-0.031109	-0.0102709	0.763956	0.284588
12	Cobalt,7440-48-4	0.0616757	0	0.19365	0.278583
13	Copper,7440-50-8	0.10677	0.0261378	1.37648	0.560895
14	Iron,7439-89-6	n/a	0.0710884	0.680325	0.713965
15	Lead,7439-92-1	0.0364829	0.00425925	0.164469	0.356417
16	Lithium,7439-93-2	0.00388934	0.00112458	0.0312782	-0.00770117
17	Magnesium,7439-95-4	-0.581666	n/a	1.49581	0.0184537
18	Manganese,7439-96-5	0.0297197	0.00491684	n/a	0.829505
19	Molybdenum,7439-98-7	0.0079762	0	0.182207	0.079968
20	Nickel,7440-02-0	0.0304674	0.0048712	0.505852	n/a
21	Potassium,7440-09-7	-0.0594796	-0.0406784	1.03238	0.639946
23	Selenium,7782-49-2	-0.170564	-0.00704848	0.651099	-0.212244
24	Silicon,7440-21-3	-0.0596366	0.0655248	-0.154661	0.0265243
25	Silver,7440-22-4	-0.00544299	-0.00130777	-0.0466263	-0.0796382
26	Sodium,7440-23-5	0.0549197	0.0322506	-7.10688	-2.53392
27	Strontium,7440-24-6	0.00516346	0	0.0330387	0.0217598
28	Thallium,7440-28-0	-0.0158694	0.0168395	0.911505	-0.00667662
29	Tin,7440-31-5	0.00977227	0.00140892	-0.0391303	-0.0189798
30	Titanium,7440-32-6	0.0106324	0	0.0110618	0.00889388
31	Vanadium,7440-62-2	0.0794721	-0.0143864	0.0720286	0.00930433
34	Zinc,7440-66-6	0.123106	0.032061	0.110878	7.70627
35	Zirconium,7440-67-7	0.0160999	0	0.279568	0.0997839

IEC File Name: 2070717iec

IEC File Last Saved: 7/18/2007 10:53:43 AM
Printed On: 7/18/2007 10:58:47 AM

Results Data Set Name: 2070717 IE
Method Name: ICP5Combine
Results Library: d:\pe\met\Results\Results.md

Interfering Analytes

	Analytes	Titanium,7440-32-6	Vanadium,7440-62-2
1	Aluminum,7429-90-5	1.589	13.5631
2	Antimony,7440-36-0	0.105746	-9.39057
5	Arsenic,7440-38-2	-0.226477	-28.4823
6	Barium,7440-39-3	0.0230569	0.779564
7	Beryllium,7440-41-7	0.337475	0.286473
8	Boron,7440-42-8	-0.976723	-0.516191
9	Cadmium,7440-43-9	0.00758984	0.222952
10	Calcium,7440-70-2	0.569374	0.749652
11	Chromium,7440-47-3	0.0964764	0.423199
12	Cobalt,7440-48-4	2.25477	0.250926
13	Copper,7440-50-8	0.549432	0.438338
14	Iron,7439-89-6	0.903055	0.777281
15	Lead,7439-92-1	0.425177	0.161292
16	Lithium,7439-93-2	-0.00580417	0.0177783
17	Magnesium,7439-95-4	-3.88427	0.0323772
18	Manganese,7439-96-5	0.240787	-0.271192
19	Molybdenum,7439-98-7	0.0476585	0.154934
20	Nickel,7440-02-0	0.354461	0.295015
21	Potassium,7440-09-7	1.1221	1.00278
23	Selenium,7782-49-2	-0.0988457	0.534046
24	Silicon,7440-21-3	31.9767	0.433105
25	Silver,7440-22-4	-1.70161	-0.389782
26	Sodium,7440-23-5	-4.80701	-1.82096
27	Strontium,7440-24-6	0.00310337	0.530332
28	Thallium,7440-28-0	-11.7595	-12.5635
29	Tin,7440-31-5	-3.77538	0.0232586
30	Titanium,7440-32-6	n/a	0.0514827
31	Vanadium,7440-62-2	-0.125459	n/a
34	Zinc,7440-66-6	-0.309971	-0.0443526
35	Zirconium,7440-67-7	-0.028163	0.220216

ICP LINEAR RANGES

Lab Name: GCAL Sample ID:

Lab Code: LA024 SDG No.: 207122020

Study Date: 07/18/07 Instrument ID: ICP5

Analyte	*Concentration*	*% Recovery*	*Units*	*Type*
Aluminum	60000	102	mg/kg	P
Antimony	1200	105	mg/kg	P
Arsenic	1000	96	mg/kg	P
Barium	1000	96	mg/kg	P
Beryllium	120	100	mg/kg	P
Boron	2000	92	mg/kg	P
Cadmium	600	95	mg/kg	P
Calcium	80000	100	mg/kg	P
Chromium	4000	99	mg/kg	P
Cobalt	6000	103	mg/kg	P
Copper	4000	95	mg/kg	P
Iron	32000	95	mg/kg	P
Lead	20000	101	mg/kg	P
Lithium	800	105	mg/kg	P
Magnesium	36000	104	mg/kg	P
Manganese	1200	95	mg/kg	P
Molybdenum	3200	90	mg/kg	P
Nickel	2400	103	mg/kg	P
Potassium	6000	101	mg/kg	P
Selenium	600	98	mg/kg	P
Silver	400	95	mg/kg	P
Sodium	24000	97	mg/kg	P
Strontium	200	103	mg/kg	P
Thallium	800	105	mg/kg	P
Tin	2000	90	mg/kg	P
Titanium	1600	98	mg/kg	P
Vanadium	4000	100	mg/kg	P
Zinc	600	100	mg/kg	P

ICP LINEAR RANGES

Lab Name: GCAL Sample ID:

Lab Code: LA024 SDG No.: 207122020

Study Date: 07/18/07 Instrument ID: ICP5

Analyte	*Concentration*	*% Recovery*	*Units*	*Type*
Aluminum	1500	102	mg/L	P
Antimony	40	105	mg/L	P
Arsenic	25	96	mg/L	P
Barium	25	96	mg/L	P
Beryllium	5	100	mg/L	P
Boron	50	92	mg/L	P
Cadmium	25	95	mg/L	P
Calcium	2000	100	mg/L	P
Chromium	120	99	mg/L	P
Cobalt	150	103	mg/L	P
Copper	100	95	mg/L	P
Iron	800	95	mg/L	P
Lead	500	101	mg/L	P
Lithium	20	105	mg/L	P
Magnesium	800	104	mg/L	P
Manganese	35	95	mg/L	P
Molybdenum	100	90	mg/L	P
Nickel	50	103	mg/L	P
Potassium	150	101	mg/L	P
Selenium	15	98	mg/L	P
Silver	10	95	mg/L	P
Sodium	600	97	mg/L	P
Strontium	5	103	mg/L	P
Thallium	20	105	mg/L	P
Tin	50	90	mg/L	P
Titanium	40	98	mg/L	P
Vanadium	100	100	mg/L	P
Zinc	15	100	mg/L	P

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Method: SW-846 6010B Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
SS-900 (0-0.5)	12/20/07	1.26	g	50	mL
2WSED9 (1-2)	12/20/07	1.25	g	50	mL
2WSED9 MS (1-2)	12/20/07	1.25	g	50	mL
2WSED9 MSD (1-2)	12/20/07	1.25	g	50	mL
3WSED1 (0-0.5)	12/20/07	1.26	g	50	mL
3WSED2 (0-0.5)	12/20/07	1.25	g	50	mL
3WSED5 (0-0.5)	12/20/07	1.25	g	50	mL
3WSED6 (0-0.5)	12/20/07	1.26	g	50	mL
3WSED8 (0-0.5)	12/20/07	1.25	g	50	mL
3WSED9 (0-0.5)	12/20/07	1.25	g	50	mL
LCS558099	12/20/07	1.25	g	50	mL
MB558098	12/20/07	1.25	g	50	mL

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Method: SW-846 6010B Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
LCS558101	12/20/07			50	mL
MB558100	12/20/07			50	mL
MW-1DUP	12/20/07			50	mL
MW-1MS	12/20/07			50	mL
SS121907-EB	12/20/07			50	mL
SS121907-FB	12/20/07			50	mL

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Method: SW-846 7471A Method Type: AV

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
2WSED9 (1-2)	12/20/07	0.6	g	30	mL
2WSED9 MS (1-2)	12/20/07	0.6	g	30	mL
2WSED9 MSD (1-2)	12/20/07	0.6	g	30	mL
LCS558105	12/20/07	0.6	g	30	mL
MB558104	12/20/07	0.6	g	30	mL

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Method: SW-846 7470A Method Type: AV

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
B2-07-GWDUP	12/20/07			20	mL
B2-07-GWMS	12/20/07			20	mL
LCS558313	12/20/07			20	mL
MB558312	12/20/07			20	mL
SS121907-EB	12/20/07			20	mL
SS121907-FB	12/20/07			20	mL

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 12/22/07

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020 End Date: 12/23/07

Instrument ID Number: ICP5 Method: SW-846 6010B Method Type: P

				Analyte Symbols																																		
Sample No.	**PF**	**D/F**	**Time**	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
ICV	*	1	1316	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
ICV2	*	1	1323																																
ICB	*	1	1330	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
CRDL	*	1	1337	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
CRDL2	*	1	1345		X		X	X		X		X	X	X	X	X								X					X	X		X	X	
ICSA	*	1	1408	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
ICSAB	*	1	1415	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
CCV	*	1	1423	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
CCB	*	1	1431	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
MB558100	*	1	1440	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
LCS558101	*	1	1447	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1454																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	1	1501	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	1	1508	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	1	1516	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	5	1523	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
SS121907-EB	*	1	1530	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
SS121907-FB	*	1	1537	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1544																																
CCV	*	1	1551	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
CCB	*	1	1559	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1606																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1613																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1620																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1627																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1634																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1642				.																												

FORM XIV - IN

169858

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 12/22/07

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020 End Date: 12/23/07

Instrument ID Number: ICP5 Method: SW-846 6010B Method Type: P

Sample No.	PF	D/F	Time	Analyte Symbols																																
				Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr		
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1649																																	
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1656																																	
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1703																																	
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1710																																	
CCV	*	1	1718	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X		
CCB	*	1	1725	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X		
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1800																																	
CCV	*	1	1902	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X		
CCB	*	1	1912	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X		
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1919																																	
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1926																																	
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1934																																	
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1941																																	
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1948																																	
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1955																																	
ZZZZZZZZZZZZZZZZZZZZZZZZZ		5	2002																																	
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	2009																																	
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	2017																																	
CCV	*	1	2031	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X		
CCB	*	1	2038	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X		
MB558098	*	1	2045	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X		
LCS558099	*	1	2052	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X		
2WSED9 (1-2)	*	1	2100	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X		
2WSED9 MS (1-2)	*	1	2107	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X		
2WSED9 MSD (1-2)	*	1	2114	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X		
2WSED9 (1-2)PDS	*	1	2121	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X		
2WSED9 (1-2)SD	*	5	2128	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X		

FORM XIV - IN

169859

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 12/22/07

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020 End Date: 12/23/07

Instrument ID Number: ICP5 Method: SW-846 6010B Method Type: P

				Analyte Symbols																																
Sample No.	**PF**	**D/F**	**Time**	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
3WSED6 (0-0.5)	*	1	2135																			X												
CCV	*	1	2156	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
CCB	*	1	2204	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
3WSED5 (0-0.5)	*	1	2211																			X												
3WSED2 (0-0.5)	*	1	2218																														X	
3WSED1 (0-0.5)	*	1	2225																														X	
SS-900 (0-0.5)	*	1	2232																														X	
3WSED8 (0-0.5)	*	1	2239																														X	
3WSED9 (0-0.5)	*	1	2246																														X	
CCV	*	1	2321	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
CCB	*	1	2329	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	

FORM XIV - IN

169860

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 12/21/07

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020 End Date: 12/21/07

Instrument ID Number: FIMS1 Method: SW-846 7471A Method Type: AV

				Analyte Symbols																																		
Sample No.	**PF**	**D/F**	**Time**	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
ICV	*	1	0913																	X														
ICB	*	1	0915																	X														
CCV	*	1	0917																	X														
CCB	*	1	0918																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0922																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0923																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0925																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0926																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	0928																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0930																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0931																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0933																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0934																															
CCV	*	1	0936																	X														
CCB	*	1	0938																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0944																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0945																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0947																															
MB558104	*	1	0951																	X														
LCS558105	*	1	0953																	X														
2WSED9 (1-2)	*	1	0954																	X														
2WSED9 MS (1-2)	*	1	0956																	X														
2WSED9 MSD (1-2)	*	1	0957																	X														
CCV	*	1	0959																	X														
CCB	*	1	1000																	X														
2WSWD9 (1-2)SD	*	5	1002																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1004																															

FORM XIV - IN

169861

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 12/21/07

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020 End Date: 12/21/07

Instrument ID Number: FIMS1 Method: SW-846 7471A Method Type: AV

				Analyte Symbols																														
Sample No.	**PF**	**D/F**	**Time**	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1005																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1009																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1010																															
CCV	*	1	1021																	X														
CCB	*	1	1023																	X														

FORM XIV - IN

169862

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 12/22/07

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020 End Date: 12/22/07

Instrument ID Number: FIMS1 Method: SW-846 7470A Method Type: AV

Sample No.	PF	D/F	Time	Analyte Symbols: Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
ICV	*	1	0946																	X														
ICB	*	1	0948																	X														
CCV	*	1	0949																	X														
CCB	*	1	0951																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0953																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0954																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0956																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0958																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0959																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1001																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1002																															
MB558312	*	1	1004																	X														
LCS558313	*	1	1006																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1007																															
CCV	*	1	1009																	X														
CCB	*	1	1011																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	1	1012																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	1	1014																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	5	1016																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1017																															
SS121907-EB	*	1	1019																	X														
SS121907-FB	*	1	1021																	X														
CCV	*	1	1030																	X														
CCB	*	1	1032																	X														

FORM XIV - IN

169863

HG

Water	(mg/L)	Recovery	%Recovery	Date
Mercury	0.00025	0.000227	90.8	11/6/2007

Solid	(mg/kg)	Recovery	%Recovery	Date
Mercury	0.01	0.010226	102.26	11/7/2007

ICP5

Water	(ug/L)	Recovery (mg/L)	Recovery	%Recover	Date
Aluminium	60	0.08708	87.08	145.13	11/6/2007
Antimony	15	0.01542	15.42	102.80	11/6/2007
Arsenic	7	0.00122	1.22	17.43	11/6/2007
Barium	1	0.00102	1.02	102.00	11/6/2007
Beryllium	0.5	0.00059	0.59	118.00	11/6/2007
Boron	85	0.07665	76.65	90.18	11/6/2007
Cadmium	0.5	0.00072	0.72	144.00	11/6/2007
Calcium	50	0.09195	91.95	183.90	11/6/2007
Chromium	1.25	0.00251	2.51	200.80	11/6/2007
Cobalt	0.93	0.00066	0.66	70.97	11/6/2007
Copper	10	0.00927	9.27	92.70	11/6/2007
Iron	75	0.07575	75.75	101.00	11/6/2007
Lead	5	0.00315	3.15	63.00	11/6/2007
Lithium	10	0.01424	14.24	142.40	11/6/2007
Magnesium	75	0.14495	144.95	193.27	11/6/2007
Manganese	5	0.00544	5.44	108.80	11/6/2007
Molybdenum	4.75	0.00371	3.71	78.11	11/6/2007
Nickel	2	0.00201	2.01	100.50	11/6/2007
Potassium	100	0.04075	40.75	40.75	11/6/2007
Selenium	10	0.0158	15.8	158.00	11/6/2007
Silicon	50	0.07841	78.41	156.82	11/6/2007
Silver	2	0.00315	3.15	157.50	11/6/2007
Sodium	150	0.03107	31.07	20.71	11/6/2007
Strontium	2	0.00209	2.09	104.50	11/6/2007
Thallium	10	0.01561	15.61	156.10	11/6/2007
Titanium	20	0.00215	2.15	10.75	11/6/2007
Tin	1.5	0.01982	19.82	1321.33	11/6/2007
Vanadium	3.5	0.00281	2.81	80.29	11/6/2007
Zinc	10	0.00848	8.48	84.80	11/6/2007
Zirconium	1.9	0.00157	1.57	82.63	11/6/2007

Solid		(mg/kg	Recovery	%Recovery	Date
Aluminium	60	2.4	1.27152	52.98	11/6/2007
Antimony	15	0.6	0.5384	89.73	11/6/2007
Arsenic	7	0.28	0.04998	17.85	11/6/2007
Barium	1	0.04	0.04312	107.80	11/6/2007
Beryllium	0.5	0.02	0.02552	127.60	11/6/2007
Boron	85	3.4	2.44716	71.98	11/6/2007
Cadmium	0.5	0.02	0.02358	117.90	11/6/2007
Calcium	50	2	5.96934	298.47	11/6/2007
Chromium	1.25	0.05	0.17123	342.46	11/6/2007
Cobalt	0.93	0.037	0.01434	38.55	11/6/2007
Copper	10	0.4	0.32236	80.59	11/6/2007
Iron	75	3	3.28913	109.64	11/6/2007
Lead	5	0.2	0.05521	27.61	11/6/2007
Lithium	10	0.4	0.52164	130.41	11/6/2007
Magnesium	75	3	4.16627	138.88	11/6/2007
Manganese	5	0.2	0.22319	111.60	11/6/2007
Molybdenum	4.75	0.19	0.19445	102.34	11/6/2007
Nickel	2	0.08	0.12307	153.84	11/6/2007
Potassium	100	4	3.35898	83.97	11/6/2007
Selenium	10	0.4	0.76882	192.21	11/6/2007
Silicon	50	2	4.15784	207.89	11/6/2007
Silver	2	0.08	0.10034	125.43	11/6/2007
Sodium	150	6	0.02423	0.40	11/6/2007
Strontium	2	0.08	0.09599	119.99	11/6/2007
Thallium	10	0.4	0.38716	96.79	11/6/2007
Titanium	20	0.8	0.99456	124.32	11/6/2007
Tin	1.5	0.06	0.77317	1288.62	11/6/2007
Vanadium	3.5	0.14	0.05953	42.52	11/6/2007
Zinc	10	0.4	0.40242	100.61	11/6/2007
Zirconium	1.9	0.076	0.06347	83.51	11/6/2007

ESDAT

ICP ANALYSIS

ICP5

ANALYST: CLB
DATE: 12/22/2007
TIME: 1:01

AS#	SAMPLE ID		
1	CALIBRATION BLANK		
2	STANDARD 1	173-7-1	
✓1	ICV-1600	173-6-4	
✓2	ICV2-1601	~~173-7-2~~ 170-942	
✓1	ICB-1700		
✓8	CRDL-2300 F:Tl**	173-6-2	
✓4	CRDL-2301 F:Sb, Co	~~173-7-4~~ ~~170-947~~ from 20455 173-74	
✓5	ICSA-2000	173-5-6	
✓6	ICSAB-2100	173-6-7	
✓7	CCV-1800		
✓1	CCB-1900		Dilution
17	558100	MB for HBN 363850 W	
18	558101	LCS for HBN 363850 W	
19	--- 4565 ---	20712202101	
20	558102	20712202101 DUP	
21	558103	20712202101 MS	
22	558945	20712202101 PDS	
23	558946	20712202101 SD	5 X
24		N 20712202014 EQBLK	
25		N 20712202015 FLDBLK	
26		20712202102	
✓5	CCV-1800		
✓1	CCB-1900		
27		20712202103	
28		20712202104	
29		20712202105	
30		20712202106	
31		20712202107	
32		20712202108	
33		20712202109	
34		20712202110	
35		20712202111	
36		20712202112	
✓5	CCV-1800 F:Li		
✓1	CCB-1900 F:Si		
37		20712202113	
38	~~173-7-1~~	~~CRDL 2301~~	
39		~~20712200916 Zn~~ R/R not read	2 X
40		~~20712196005~~	
41			
42			
43			
44			
45			
46			

AS#	SAMPLE ID		Dilution
✓5	CCV-1800 F:Li		
✓1	CCB-1900		
47	558316	MB for HBN 363891 W	
48	558317	LCS for HBN 363891 W	
49	--- 0463 ---	R 20712203507	
50	558318	R 20712203507 DUP	
51	558319	R 20712203507 MS	
52	558751	R 20712203507 PDS	
53	558752	R 20712203507 SD	5 X
54		20712203306	
55		20712196005	
56		---	
✓5	CCV-1800		
✓1	CCB-1900		
57	558098	MB for HBN 363849 S	
58	558099	LCS for HBN 363849 S	
59	--- 4482 ---	N 20712202001	
60		N 20712202002 MS	
61		N 20712202003 MSD	
62	558964	N 20712202001 PDS	
63	558965	N 20712202001 SD	5 X
64		N 20712202004	
65		---	
66		---	
✓5	CCV-1800		
✓1	CCB-1900		
67		N 20712202005	
68		N 20712202008	
69		N 20712202009	
70		N 20712202010	
71		N 20712202012	
72		N 20712202013	
73		---	
74		---	
75		---	
76		---	
✓5	CCV-1800		
✓1	CCB-1900 F:Al,Si *		

ANALYST QC REV: CNB
SECONDARY REV: KDM

QC CONTROL LIMITS:
ICV (200.7) 95-105%
ICV (6010B) 90-110%
ICSAB 80-120%
CCV 90-110%

COMMENTS: 4731, 363975
* hits for Al and Si insignificant compared to sample concentrations
** Thallium present in CRDL-2301
QC: all acceptable qc noted with a checkmark; failures as indicated.

169866

Reprocessing Begun
Logged In Analyst: met Technique: ICP Continuous

Results Data Set (original): 2071222 A
Results Library (original): d:\pe\met\Results\Results.mdb
Results Data Set (reprocessed): 4731
Results Library (reprocessed): d:\pe\met\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calib Blank 1 Date Collected: 12/22/2007 1:01:54 PM
Analyst: Data Type: Reprocessed on 12/24/2007 11:39:58 AM
Logged In Analyst (Original) : met
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Scandium-IS	1941164.6	15648.49	0.81%	100.000	%
Yttrium,7440-65-5A	1123162.3	8545.52	0.76%	100.000	%
Yttrium,7440-65-5R	59864.4	751.81	1.26%	100.000	%
Ar 420.067 R	934535.3	8400.71	0.90%	100.000	%
Ar 363.268 A	41806.7	30.54	0.07%	100.000	%
Aluminum,7429-90-5†	-230.0	9.12	3.97%	[0.00]	mg/L
Antimony,7440-36-0†	31.4	2.15	6.85%	[0.00]	mg/L
Arsenic,7440-38-2†	-1.0	2.33	242.84%	[0.00]	mg/L
Barium,7440-39-3†	35.5	10.51	29.59%	[0.00]	mg/L
Beryllium,7440-41-7†	1889.0	102.48	5.43%	[0.00]	mg/L
Boron,7440-42-8†	-3332.7	39.40	1.18%	[0.00]	mg/L
Cadmium,7440-43-9†	-100.1	2.45	2.45%	[0.00]	mg/L
Calcium,7440-70-2†	451.9	17.34	3.84%	[0.00]	mg/L
Chromium,7440-47-3†	372.9	0.69	0.19%	[0.00]	mg/L
Cobalt,7440-48-4†	-128.1	8.54	6.66%	[0.00]	mg/L
Copper,7440-50-8†	5697.0	10.28	0.18%	[0.00]	mg/L
Iron,7439-89-6†	-113.6	4.63	4.07%	[0.00]	mg/L
Lead,7439-92-1†	119.4	7.90	6.62%	[0.00]	mg/L
Lithium,7439-93-2†	686.2	34.99	5.10%	[0.00]	mg/L
Magnesium,7439-95-4†	-48.3	7.03	14.55%	[0.00]	mg/L
Manganese,7439-96-5†	-515.6	12.42	2.41%	[0.00]	mg/L
Molybdenum,7439-98-7†	-137.9	9.54	6.92%	[0.00]	mg/L
Nickel,7440-02-0†	-41.6	5.23	12.58%	[0.00]	mg/L
Potassium,7440-09-7†	-1059.1	52.50	4.96%	[0.00]	mg/L
Selenium,7782-49-2†	52.6	4.77	9.07%	[0.00]	mg/L
Silicon,7440-21-3†	62.3	0.85	1.37%	[0.00]	mg/L
Silver,7440-22-4†	7584.2	71.06	0.94%	[0.00]	mg/L
Sodium,7440-23-5†	1390.7	54.92	3.95%	[0.00]	mg/L
Strontium,7440-24-6†	127.2	21.71	17.07%	[0.00]	mg/L
Thallium,7440-28-0†	-52.0	3.62	6.96%	[0.00]	mg/L
Tin,7440-31-5†	-4.9	4.21	85.56%	[0.00]	mg/L
Titanium,7440-32-6†	-1092.3	194.72	17.83%	[0.00]	mg/L
Vanadium,7440-62-2†	5404.5	66.50	1.23%	[0.00]	mg/L
Zinc,7440-66-6†	229.2	4.94	2.16%	[0.00]	mg/L
Zirconium,7440-67-7†	1659.0	33.69	2.03%	[0.00]	mg/L

Sequence No.: 2 Autosampler Location: 2
Sample ID: Calib Std 1 Date Collected: 12/22/2007 1:09:06 PM
Analyst: Data Type: Reprocessed on 12/24/2007 11:40:17 AM
Logged In Analyst (Original) : met
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Scandium-IS	1956765.1	64077.91	3.27%	100.804	%

169867

Yttrium,7440-65-5A	1120562.5	39854.58	3.56%	99.7685	%
Yttrium,7440-65-5R	61286.2	102.26	0.17%	102.375	%
Ar 420.067 R	931995.1	3342.70	0.36%	99.7282	%
Ar 363.268 A	41946.5	153.26	0.37%	100.334	%
Aluminum,7429-90-5†	1851.7	6.28	0.34%	[10.00000]	mg/L
Antimony,7440-36-0†	627.6	17.27	2.75%	[1.000000]	mg/L
Arsenic,7440-38-2†	471.9	13.52	2.87%	[1.000000]	mg/L
Barium,7440-39-3†	45467.1	1395.95	3.07%	[1.000000]	mg/L
Beryllium,7440-41-7†	1500404.5	77152.11	5.14%	[1.000000]	mg/L
Boron,7440-42-8†	56362.9	1649.50	2.93%	[5.00]	mg/L
Cadmium,7440-43-9†	36056.6	1151.09	3.19%	[1.000000]	mg/L
Calcium,7440-70-2†	12356.0	41.61	0.34%	[10.00000]	mg/L
Chromium,7440-47-3†	39811.8	1255.46	3.15%	[1.000000]	mg/L
Cobalt,7440-48-4†	14329.5	465.64	3.25%	[1.000000]	mg/L
Copper,7440-50-8†	110981.6	3305.78	2.98%	[1.000000]	mg/L
Iron,7439-89-6†	3788.1	7.93	0.21%	[10.00000]	mg/L
Lead,7439-92-1†	5076.5	142.10	2.80%	[1.000000]	mg/L
Lithium,7439-93-2†	57722.9	81.44	0.14%	[1.00]	mg/L
Magnesium,7439-95-4†	823.0	1.62	0.20%	[10.00000]	mg/L
Manganese,7439-96-5†	263848.1	8131.81	3.08%	[1.000000]	mg/L
Molybdenum,7439-98-7†	6586.7	160.33	2.43%	[1.00]	mg/L
Nickel,7440-02-0†	20272.1	640.37	3.16%	[1.000000]	mg/L
Potassium,7440-09-7†	26916.3	174.96	0.65%	[20.00000]	mg/L
Selenium,7782-49-2†	475.5	12.61	2.65%	[1.000000]	mg/L
Silicon,7440-21-3†	620.8	2.22	0.36%	[10.0]	mg/L
Silver,7440-22-4†	137460.8	4000.47	2.91%	[1.000000]	mg/L
Sodium,7440-23-5†	61287.0	239.13	0.39%	[40.00000]	mg/L
Strontium,7440-24-6†	96335.2	251.60	0.26%	[1.00]	mg/L
Thallium,7440-28-0†	691.2	18.60	2.69%	[1.000000]	mg/L
Tin,7440-31-5†	1583.4	41.53	2.62%	[1.00]	mg/L
Titanium,7440-32-6†	262238.8	14060.01	5.36%	[1.000000]	mg/L
Vanadium,7440-62-2†	64821.3	2095.20	3.23%	[1.000000]	mg/L
Zinc,7440-66-6†	28935.3	943.85	3.26%	[1.000000]	mg/L
Zirconium,7440-67-7†	174211.2	5173.26	2.97%	[1.00]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Aluminum,7429-90-5	1	Lin, Calc Int	0.0	185.2	0.00000	1.000000	
Antimony,7440-36-0	1	Lin, Calc Int	0.0	627.6	0.00000	1.000000	
Arsenic,7440-38-2	1	Lin, Calc Int	0.0	471.9	0.00000	1.000000	
Barium,7440-39-3	1	Lin, Calc Int	0.0	45470	0.00000	1.000000	
Beryllium,7440-41-7	1	Lin, Calc Int	0.0	1500000	0.00000	1.000000	
Boron,7440-42-8	1	Lin, Calc Int	0.0	11270	0.00000	1.000000	
Cadmium,7440-43-9	1	Lin, Calc Int	0.0	36060	0.00000	1.000000	
Calcium,7440-70-2	1	Lin, Calc Int	0.0	1236	0.00000	1.000000	
Chromium,7440-47-3	1	Lin, Calc Int	0.0	39810	0.00000	1.000000	
Cobalt,7440-48-4	1	Lin, Calc Int	0.0	14330	0.00000	1.000000	
Copper,7440-50-8	1	Lin, Calc Int	0.0	111000	0.00000	1.000000	
Iron,7439-89-6	1	Lin, Calc Int	0.0	378.8	0.00000	1.000000	
Lead,7439-92-1	1	Lin, Calc Int	0.0	5077	0.00000	1.000000	
Lithium,7439-93-2	1	Lin, Calc Int	0.0	57720	0.00000	1.000000	
Magnesium,7439-95-4	1	Lin, Calc Int	0.0	82.30	0.00000	1.000000	
Manganese,7439-96-5	1	Lin, Calc Int	0.0	263800	0.00000	1.000000	
Molybdenum,7439-98-7	1	Lin, Calc Int	0.0	6587	0.00000	1.000000	
Nickel,7440-02-0	1	Lin, Calc Int	0.0	20270	0.00000	1.000000	
Potassium,7440-09-7	1	Lin, Calc Int	0.0	1346	0.00000	1.000000	
Selenium,7782-49-2	1	Lin, Calc Int	0.0	475.5	0.00000	1.000000	
Silicon,7440-21-3	1	Lin, Calc Int	0.0	62.08	0.00000	1.000000	
Silver,7440-22-4	1	Lin, Calc Int	0.0	137500	0.00000	1.000000	
Sodium,7440-23-5	1	Lin, Calc Int	0.0	1532	0.00000	1.000000	
Strontium,7440-24-6	1	Lin, Calc Int	0.0	96340	0.00000	1.000000	
Thallium,7440-28-0	1	Lin, Calc Int	0.0	691.2	0.00000	1.000000	
Tin,7440-31-5	1	Lin, Calc Int	0.0	1583	0.00000	1.000000	
Titanium,7440-32-6	1	Lin, Calc Int	0.0	262200	0.00000	1.000000	
Vanadium,7440-62-2	1	Lin, Calc Int	0.0	64820	0.00000	1.000000	
Zinc,7440-66-6	1	Lin, Calc Int	0.0	28940	0.00000	1.000000	
Zirconium,7440-67-7	1	Lin, Calc Int	0.0	174200	0.00000	1.000000	

Sequence No.: 3
Sample ID: 1600
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 12/22/2007 1:16:16 PM
Data Type: Reprocessed on 12/24/2007 11:40:25 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1600

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	1964797.0	101.217	%	1.6233				1.60%
Yttrium,7440-65-5A	1125360.3	100.196	%	1.5194				1.52%
Yttrium,7440-65-5R	61987.1	103.546	%	0.4227				0.41%
Ar 420.067 R	952146.4	101.884	%	0.1530				0.15%
Ar 363.268 A	42273.9	101.117	%	0.3531				0.35%
Aluminum,7429-90-5†	1829.0	9.85948	mg/L	0.119976	9.85948	mg/L	0.119976	1.22%
QC value within limits for Aluminum,7429-90-5 Recovery = 98.59%								
Antimony,7440-36-0†	628.5	1.00868	mg/L	0.018462	1.00868	mg/L	0.018462	1.83%
QC value within limits for Antimony,7440-36-0 Recovery = 100.87%								
Arsenic,7440-38-2†	475.5	1.03594	mg/L	0.012532	1.03594	mg/L	0.012532	1.21%
QC value within limits for Arsenic,7440-38-2 Recovery = 103.59%								
Barium,7440-39-3†	47865.7	1.05032	mg/L	0.024663	1.05032	mg/L	0.024663	2.35%
QC value within limits for Barium,7440-39-3 Recovery = 105.03%								
Beryllium,7440-41-7†	1587767.8	1.05669	mg/L	0.020381	1.05669	mg/L	0.020381	1.93%
QC value within limits for Beryllium,7440-41-7 Recovery = 105.67%								
Boron,7440-42-8†	58586.6	5.20609	mg/L	0.092220	5.20609	mg/L	0.092220	1.77%
QC value within limits for Boron,7440-42-8 Recovery = 104.12%								
Cadmium,7440-43-9†	37254.7	1.03111	mg/L	0.016326	1.03111	mg/L	0.016326	1.58%
QC value within limits for Cadmium,7440-43-9 Recovery = 103.11%								
Calcium,7440-70-2†	12758.4	10.3217	mg/L	0.01416	10.3217	mg/L	0.01416	0.14%
QC value within limits for Calcium,7440-70-2 Recovery = 103.22%								
Chromium,7440-47-3†	41156.3	1.03216	mg/L	0.020797	1.03216	mg/L	0.020797	2.01%
QC value within limits for Chromium,7440-47-3 Recovery = 103.22%								
Cobalt,7440-48-4†	14513.7	1.00885	mg/L	0.022681	1.00885	mg/L	0.022681	2.25%
QC value within limits for Cobalt,7440-48-4 Recovery = 100.88%								
Copper,7440-50-8†	110090.0	0.98774	mg/L	0.022512	0.98774	mg/L	0.022512	2.28%
QC value within limits for Copper,7440-50-8 Recovery = 98.77%								
Iron,7439-89-6†	3744.7	9.88056	mg/L	0.066801	9.88056	mg/L	0.066801	0.68%
QC value within limits for Iron,7439-89-6 Recovery = 98.81%								
Lead,7439-92-1†	5272.4	1.03967	mg/L	0.015504	1.03967	mg/L	0.015504	1.49%
QC value within limits for Lead,7439-92-1 Recovery = 103.97%								
Lithium,7439-93-2†	58222.1	1.00855	mg/L	0.008101	1.00855	mg/L	0.008101	0.80%
QC value within limits for Lithium,7439-93-2 Recovery = 100.85%								
Magnesium,7439-95-4†	853.2	10.3749	mg/L	0.07541	10.3749	mg/L	0.07541	0.73%
QC value within limits for Magnesium,7439-95-4 Recovery = 103.75%								
Manganese,7439-96-5†	268545.8	1.01639	mg/L	0.022523	1.01639	mg/L	0.022523	2.22%
QC value within limits for Manganese,7439-96-5 Recovery = 101.64%								
Molybdenum,7439-98-7†	6576.3	0.99787	mg/L	0.013500	0.99787	mg/L	0.013500	1.35%
QC value within limits for Molybdenum,7439-98-7 Recovery = 99.79%								
Nickel,7440-02-0†	20835.2	1.02611	mg/L	0.023781	1.02611	mg/L	0.023781	2.32%
QC value within limits for Nickel,7440-02-0 Recovery = 102.61%								
Potassium,7440-09-7†	13134.9	9.75627	mg/L	0.075770	9.75627	mg/L	0.075770	0.78%
QC value within limits for Potassium,7440-09-7 Recovery = 97.56%								
Selenium,7782-49-2†	499.2	1.05074	mg/L	0.027918	1.05074	mg/L	0.027918	2.66%
QC value within limits for Selenium,7782-49-2 Recovery = 105.07%								
Silicon,7440-21-3†	3.1	0.01753	mg/L	0.009294	0.01753	mg/L	0.009294	53.01%
Silver,7440-22-4†	147482.9	1.07499	mg/L	0.019586	1.07499	mg/L	0.019586	1.82%
QC value within limits for Silver,7440-22-4 Recovery = 107.50%								
Sodium,7440-23-5†	14882.8	9.72650	mg/L	0.030523	9.72650	mg/L	0.030523	0.31%
QC value within limits for Sodium,7440-23-5 Recovery = 97.26%								
Strontium,7440-24-6†	94898.7	0.98407	mg/L	0.007614	0.98407	mg/L	0.007614	0.77%
QC value within limits for Strontium,7440-24-6 Recovery = 98.41%								
Thallium,7440-28-0†	707.0	1.04655	mg/L	0.005981	1.04655	mg/L	0.005981	0.57%
QC value within limits for Thallium,7440-28-0 Recovery = 104.66%								
Tin,7440-31-5†	1706.1	1.08129	mg/L	0.010465	1.08129	mg/L	0.010465	0.97%
QC value within limits for Tin,7440-31-5 Recovery = 108.13%								
Titanium,7440-32-6†	264599.5	1.00877	mg/L	0.019818	1.00877	mg/L	0.019818	1.96%
QC value within limits for Titanium,7440-32-6 Recovery = 100.88%								
Vanadium,7440-62-2†	66210.1	1.02070	mg/L	0.023132	1.02070	mg/L	0.023132	2.27%
QC value within limits for Vanadium,7440-62-2 Recovery = 102.07%								

169869

Zinc,7440-66-6†	30053.5	1.02902 mg/L	0.020999	1.02902 mg/L	0.020999	2.04%	
QC value within limits for Zinc,7440-66-6 Recovery = 102.90%							
Zirconium,7440-67-7†	598.6	0.00249 mg/L	0.000349	0.00249 mg/L	0.000349	14.01%	

All analyte(s) passed QC.

Sequence No.: 4 **Autosampler Location: 12**
Sample ID: 1601 **Date Collected: 12/22/2007 1:23:06 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:40:28 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1601

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2002741.1	103.172	%	0.7803				0.76%
Yttrium,7440-65-5A	1155332.0	102.864	%	0.7929				0.77%
Yttrium,7440-65-5R	64501.8	107.746	%	0.6448				0.60%
Ar 420.067 R	950557.2	101.714	%	0.1554				0.15%
Ar 363.268 A	41775.7	99.9258	%	0.33858				0.34%
Aluminum,7429-90-5†	3.2	0.01752	mg/L	0.026337	0.01752	mg/L	0.026337	150.33%
Antimony,7440-36-0†	4.5	0.00720	mg/L	0.001891	0.00720	mg/L	0.001891	26.26%
Arsenic,7440-38-2†	-0.3	-0.00063	mg/L	0.009675	-0.00063	mg/L	0.009675	>999.9%
Barium,7440-39-3†	34.9	0.00077	mg/L	0.000371	0.00077	mg/L	0.000371	48.39%
Beryllium,7440-41-7†	-27093.8	-0.01806	mg/L	0.000456	-0.01806	mg/L	0.000456	2.52%
Boron,7440-42-8†	852.8	0.07566	mg/L	0.002766	0.07566	mg/L	0.002766	3.66%
Cadmium,7440-43-9†	45.3	0.00126	mg/L	0.000292	0.00126	mg/L	0.000292	23.25%
Calcium,7440-70-2†	17.7	0.01434	mg/L	0.004090	0.01434	mg/L	0.004090	28.53%
Chromium,7440-47-3†	19.2	0.00048	mg/L	0.000370	0.00048	mg/L	0.000370	76.79%
Cobalt,7440-48-4†	6.0	0.00042	mg/L	0.000407	0.00042	mg/L	0.000407	97.80%
Copper,7440-50-8†	-28.3	-0.00026	mg/L	0.000741	-0.00026	mg/L	0.000741	285.10%
Iron,7439-89-6†	6.1	0.01613	mg/L	0.004599	0.01613	mg/L	0.004599	28.51%
Lead,7439-92-1†	-9.9	-0.00194	mg/L	0.000105	-0.00194	mg/L	0.000105	5.39%
Lithium,7439-93-2†	109.3	0.00189	mg/L	0.000684	0.00189	mg/L	0.000684	36.10%
Magnesium,7439-95-4†	7.3	0.08838	mg/L	0.041574	0.08838	mg/L	0.041574	47.04%
Manganese,7439-96-5†	284.9	0.00108	mg/L	0.000094	0.00108	mg/L	0.000094	8.70%
Molybdenum,7439-98-7†	4.6	0.00070	mg/L	0.000896	0.00070	mg/L	0.000896	128.53%
Nickel,7440-02-0†	-20.2	-0.00100	mg/L	0.000741	-0.00100	mg/L	0.000741	74.26%
Potassium,7440-09-7†	235.7	0.17515	mg/L	0.061002	0.17515	mg/L	0.061002	34.83%
Selenium,7782-49-2†	-2.6	-0.00557	mg/L	0.004523	-0.00557	mg/L	0.004523	81.22%
Silicon,7440-21-3†	602.7	9.70848	mg/L	0.117106	9.70848	mg/L	0.117106	1.21%
QC value within limits for Silicon,7440-21-3 Recovery = 97.08%								
Silver,7440-22-4†	1317.6	0.00959	mg/L	0.000689	0.00959	mg/L	0.000689	7.19%
Sodium,7440-23-5†	89.8	0.05862	mg/L	0.031641	0.05862	mg/L	0.031641	53.98%
Strontium,7440-24-6†	17.8	0.00018	mg/L	0.000701	0.00018	mg/L	0.000701	381.02%
Thallium,7440-28-0†	2.8	0.00410	mg/L	0.004201	0.00410	mg/L	0.004201	102.35%
Tin,7440-31-5†	7.6	0.00478	mg/L	0.001073	0.00478	mg/L	0.001073	22.45%
Titanium,7440-32-6†	-47.7	-0.00018	mg/L	0.000927	-0.00018	mg/L	0.000927	509.22%
Vanadium,7440-62-2†	35.1	0.00054	mg/L	0.001069	0.00054	mg/L	0.001069	197.66%
Zinc,7440-66-6†	24.2	0.00084	mg/L	0.000178	0.00084	mg/L	0.000178	21.26%
Zirconium,7440-67-7†	180047.5	1.03350	mg/L	0.002956	1.03350	mg/L	0.002956	0.29%
QC value within limits for Zirconium,7440-67-7 Recovery = 103.35%								

All analyte(s) passed QC.

Sequence No.: 5 **Autosampler Location: 1**
Sample ID: 1700 **Date Collected: 12/22/2007 1:30:22 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:40:29 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1700

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	1983339.6	102.173	%	0.5341				0.52%
Yttrium,7440-65-5A	1146569.3	102.084	%	0.5573				0.55%
Yttrium,7440-65-5R	62782.9	104.875	%	0.3532				0.34%

169870

Ar 420.067 R	938090.4	100.380 %		0.5064			0.50%
Ar 363.268 A	41764.0	99.8978 %		0.26722			0.27%
Aluminum,7429-90-5†	-0.3	-0.00141 mg/L		0.009407	-0.00141 mg/L	0.009407	666.59%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated							
Antimony,7440-36-0†	4.0	0.00639 mg/L		0.004840	0.00639 mg/L	0.004840	75.70%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated							
Arsenic,7440-38-2†	-0.4	-0.00083 mg/L		0.005555	-0.00083 mg/L	0.005555	669.77%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated							
Barium,7440-39-3†	-7.7	-0.00017 mg/L		0.000136	-0.00017 mg/L	0.000136	79.45%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated							
Beryllium,7440-41-7†	-72.1	-0.00005 mg/L		0.000051	-0.00005 mg/L	0.000051	106.11%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated							
Boron,7440-42-8†	290.3	0.02575 mg/L		0.003285	0.02575 mg/L	0.003285	12.76%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated							
Cadmium,7440-43-9†	11.7	0.00033 mg/L		0.000013	0.00033 mg/L	0.000013	4.05%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated							
Calcium,7440-70-2†	-6.5	-0.00530 mg/L		0.012929	-0.00530 mg/L	0.012929	244.15%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated							
Chromium,7440-47-3†	-24.6	-0.00062 mg/L		0.000289	-0.00062 mg/L	0.000289	46.72%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated							
Cobalt,7440-48-4†	-1.7	-0.00012 mg/L		0.000601	-0.00012 mg/L	0.000601	504.84%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated							
Copper,7440-50-8†	14.9	0.00013 mg/L		0.001242	0.00013 mg/L	0.001242	932.70%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated							
Iron,7439-89-6†	3.1	0.00829 mg/L		0.003967	0.00829 mg/L	0.003967	47.86%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated							
Lead,7439-92-1†	-7.0	-0.00137 mg/L		0.001557	-0.00137 mg/L	0.001557	113.59%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated							
Lithium,7439-93-2†	13.5	0.00023 mg/L		0.001117	0.00023 mg/L	0.001117	476.83%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated							
Magnesium,7439-95-4†	1.0	0.01226 mg/L		0.103267	0.01226 mg/L	0.103267	842.38%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated							
Manganese,7439-96-5†	-3.7	-0.00001 mg/L		0.000031	-0.00001 mg/L	0.000031	225.14%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated							
Molybdenum,7439-98-7†	-0.4	-0.00006 mg/L		0.001238	-0.00006 mg/L	0.001238	>999.9%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated							
Nickel,7440-02-0†	10.0	0.00049 mg/L		0.000818	0.00049 mg/L	0.000818	165.62%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated							
Potassium,7440-09-7†	126.6	0.09404 mg/L		0.054685	0.09404 mg/L	0.054685	58.15%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated							
Selenium,7782-49-2†	-1.8	-0.00375 mg/L		0.008526	-0.00375 mg/L	0.008526	227.34%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated							
Silicon,7440-21-3†	-1.1	-0.01761 mg/L		0.026930	-0.01761 mg/L	0.026930	152.91%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated							
Silver,7440-22-4†	-71.6	-0.00052 mg/L		0.000391	-0.00052 mg/L	0.000391	74.89%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated							
Sodium,7440-23-5†	-27.3	-0.01783 mg/L		0.022482	-0.01783 mg/L	0.022482	126.10%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated							
Strontium,7440-24-6†	1.7	0.00002 mg/L		0.000307	0.00002 mg/L	0.000307	>999.9%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated							
Thallium,7440-28-0†	2.9	0.00413 mg/L		0.008328	0.00413 mg/L	0.008328	201.43%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated							
Tin,7440-31-5†	8.1	0.00511 mg/L		0.001286	0.00511 mg/L	0.001286	25.15%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated							
Titanium,7440-32-6†	-285.3	-0.00109 mg/L		0.000875	-0.00109 mg/L	0.000875	80.42%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated							
Vanadium,7440-62-2†	76.5	0.00118 mg/L		0.000607	0.00118 mg/L	0.000607	51.45%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated							
Zinc,7440-66-6†	-18.0	-0.00063 mg/L		0.000064	-0.00063 mg/L	0.000064	10.19%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated							
Zirconium,7440-67-7†	17.2	0.00010 mg/L		0.000330	0.00010 mg/L	0.000330	336.31%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 6 **Autosampler Location: 3**
Sample ID: 2300 **Date Collected: 12/22/2007 1:37:30 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:40:31 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

169871

Mean Data: 2300,

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Scandium-IS	1985661.3	102.292	%	0.7733				0.76%
Yttrium,7440-65-5A	1147071.3	102.129	%	0.8129				0.80%
Yttrium,7440-65-5R	63202.5	105.576	%	0.9623				0.91%
Ar 420.067 R	936690.5	100.231	%	0.4887				0.49%
Ar 363.268 A	41563.1	99.4173	%	0.21139				0.21%
Aluminum,7429-90-5†	38.2	0.20564	mg/L	0.040960	0.20564	mg/L	0.040960	19.92%
QC value within limits for Aluminum,7429-90-5 Recovery = 102.82%								
Antimony,7440-36-0†	35.3	0.05631	mg/L	0.005588	0.05631	mg/L	0.005588	9.92%
QC value within limits for Antimony,7440-36-0 Recovery = 93.85%								
Arsenic,7440-38-2†	5.5	0.01228	mg/L	0.006245	0.01228	mg/L	0.006245	50.84%
QC value within limits for Arsenic,7440-38-2 Recovery = 122.84%								
Barium,7440-39-3†	438.1	0.00960	mg/L	0.000352	0.00960	mg/L	0.000352	3.67%
QC value within limits for Barium,7440-39-3 Recovery = 95.96%								
Beryllium,7440-41-7†	7289.8	0.00480	mg/L	0.000103	0.00480	mg/L	0.000103	2.14%
QC value within limits for Beryllium,7440-41-7 Recovery = 96.06%								
Boron,7440-42-8†	5701.0	0.50596	mg/L	0.010274	0.50596	mg/L	0.010274	2.03%
QC value within limits for Boron,7440-42-8 Recovery = 101.19%								
Cadmium,7440-43-9†	181.1	0.00499	mg/L	0.000242	0.00499	mg/L	0.000242	4.85%
QC value within limits for Cadmium,7440-43-9 Recovery = 99.84%								
Calcium,7440-70-2†	141.0	0.11400	mg/L	0.012338	0.11400	mg/L	0.012338	10.82%
QC value within limits for Calcium,7440-70-2 Recovery = 114.00%								
Chromium,7440-47-3†	363.6	0.00909	mg/L	0.000973	0.00909	mg/L	0.000973	10.71%
QC value within limits for Chromium,7440-47-3 Recovery = 90.89%								
Cobalt,7440-48-4†	144.4	0.00982	mg/L	0.000633	0.00982	mg/L	0.000633	6.44%
QC value within limits for Cobalt,7440-48-4 Recovery = 98.25%								
Copper,7440-50-8†	1545.9	0.01381	mg/L	0.000577	0.01381	mg/L	0.000577	4.17%
QC value within limits for Copper,7440-50-8 Recovery = 138.11%								
Iron,7439-89-6†	40.8	0.10761	mg/L	0.005174	0.10761	mg/L	0.005174	4.81%
QC value within limits for Iron,7439-89-6 Recovery = 107.61%								
Lead,7439-92-1†	71.0	0.01397	mg/L	0.002811	0.01397	mg/L	0.002811	20.13%
QC value within limits for Lead,7439-92-1 Recovery = 93.11%								
Lithium,7439-93-2†	3272.9	0.05670	mg/L	0.000446	0.05670	mg/L	0.000446	0.79%
QC value within limits for Lithium,7439-93-2 Recovery = 113.40%								
Magnesium,7439-95-4†	9.3	0.11346	mg/L	0.034036	0.11346	mg/L	0.034036	30.00%
QC value within limits for Magnesium,7439-95-4 Recovery = 113.46%								
Manganese,7439-96-5†	4059.0	0.01533	mg/L	0.000220	0.01533	mg/L	0.000220	1.44%
QC value within limits for Manganese,7439-96-5 Recovery = 102.18%								
Molybdenum,7439-98-7†	316.0	0.04796	mg/L	0.000536	0.04796	mg/L	0.000536	1.12%
QC value within limits for Molybdenum,7439-98-7 Recovery = 95.92%								
Nickel,7440-02-0†	780.1	0.03843	mg/L	0.000776	0.03843	mg/L	0.000776	2.02%
QC value within limits for Nickel,7440-02-0 Recovery = 96.07%								
Potassium,7440-09-7†	704.2	0.52310	mg/L	0.027874	0.52310	mg/L	0.027874	5.33%
QC value within limits for Potassium,7440-09-7 Recovery = 104.62%								
Selenium,7782-49-2†	14.6	0.03066	mg/L	0.003842	0.03066	mg/L	0.003842	12.53%
QC value within limits for Selenium,7782-49-2 Recovery = 76.64%								
Silicon,7440-21-3†	-1.1	-0.02112	mg/L	0.026028	-0.02112	mg/L	0.026028	123.25%
Silver,7440-22-4†	1395.2	0.01033	mg/L	0.001640	0.01033	mg/L	0.001640	15.88%
QC value within limits for Silver,7440-22-4 Recovery = 103.26%								
Sodium,7440-23-5†	1333.7	0.87113	mg/L	0.022598	0.87113	mg/L	0.022598	2.59%
QC value within limits for Sodium,7440-23-5 Recovery = 87.11%								
Strontium,7440-24-6†	4698.8	0.04876	mg/L	0.000461	0.04876	mg/L	0.000461	0.94%
QC value within limits for Strontium,7440-24-6 Recovery = 97.52%								
Thallium,7440-28-0†	1.0	0.00278	mg/L	0.003890	0.00278	mg/L	0.003890	139.91%
QC value less than the lower limit for Thallium,7440-28-0 Recovery = 27.80%								
Tin,7440-31-5†	160.7	0.10184	mg/L	0.002256	0.10184	mg/L	0.002256	2.21%
QC value within limits for Tin,7440-31-5 Recovery = 101.84%								
Titanium,7440-32-6†	25793.0	0.09835	mg/L	0.001231	0.09835	mg/L	0.001231	1.25%
QC value within limits for Titanium,7440-32-6 Recovery = 98.35%								
Vanadium,7440-62-2†	1185.1	0.01829	mg/L	0.000175	0.01829	mg/L	0.000175	0.96%
QC value within limits for Vanadium,7440-62-2 Recovery = 91.43%								
Zinc,7440-66-6†	560.9	0.01909	mg/L	0.000247	0.01909	mg/L	0.000247	1.30%
QC value within limits for Zinc,7440-66-6 Recovery = 95.47%								
Zirconium,7440-67-7†	1712.6	0.00982	mg/L	0.000344	0.00982	mg/L	0.000344	3.51%

QC Failed. Continue with analysis.

169872

Seq. No.	6	AS Loc:	3	Date:	2007/12/22 13:42:30		
Sample ID:	2300						
Analyte		Conc (Calib)	Conc (Sample)		Net Intensity	Corr. Intensity	Time
Arsenic,7440-38-2							
		0.01171 mg/L	0.01171 mg/L			5.3	2007/12/22 13:41:27
		~~0.01880~~ mg/L .00903 mg/L	0.01880 mg/L		7.9	8.6	2007/12/22 13:41:59
		0.00635 mg/L	0.00635 mg/L		1.8	2.7	2007/12/22 13:42:30
Mean:		~~0.01228 mg/L~~ AJW	0.01228 mg/L			5.5	
SD:		0.006245 mg/L 1-3-08					
%RSD:		50.84					

2007/12/24 11:40:32 QC value within limits for Arsenic,7440-38-2 Recovery = ~~122.84%~~ 90.38%

169873

Sequence No.: 7
Sample ID: 2301
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 12/22/2007 1:45:21 PM
Data Type: Reprocessed on 12/24/2007 11:40:33 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 2301

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	1991672.4	102.602	%	1.0629				1.04%
Yttrium,7440-65-5A	1150961.2	102.475	%	1.1159				1.09%
Yttrium,7440-65-5R	63443.0	105.978	%	0.6270				0.59%
Ar 420.067 R	938361.3	100.409	%	0.3861				0.38%
Ar 363.268 A	41326.0	98.8500	%	0.36167				0.37%
Aluminum,7429-90-5†	-0.0	-0.00010	mg/L	0.007450	-0.00010	mg/L	0.007450	>999.9%
Antimony,7440-36-0†	10.8	0.01720	mg/L	0.006221	0.01720	mg/L	0.006221	36.18%
QC value greater than the upper limit for Antimony,7440-36-0 Recovery = 286.59%								
Arsenic,7440-38-2†	0.5	0.00113	mg/L	0.006487	0.00113	mg/L	0.006487	573.31%
Barium,7440-39-3†	225.2	0.00494	mg/L	0.000187	0.00494	mg/L	0.000187	3.78%
QC value within limits for Barium,7440-39-3 Recovery = 98.84%								
Beryllium,7440-41-7†	2885.3	0.00192	mg/L	0.000078	0.00192	mg/L	0.000078	4.06%
QC value within limits for Beryllium,7440-41-7 Recovery = 95.91%								
Boron,7440-42-8†	195.1	0.01733	mg/L	0.002658	0.01733	mg/L	0.002658	15.33%
Cadmium,7440-43-9†	78.1	0.00215	mg/L	0.000113	0.00215	mg/L	0.000113	5.22%
QC value within limits for Cadmium,7440-43-9 Recovery = 107.74%								
Calcium,7440-70-2†	17.1	0.01382	mg/L	0.005198	0.01382	mg/L	0.005198	37.60%
Chromium,7440-47-3†	328.1	0.00824	mg/L	0.001216	0.00824	mg/L	0.001216	14.76%
QC value within limits for Chromium,7440-47-3 Recovery = 103.00%								
Cobalt,7440-48-4†	5.4	0.00038	mg/L	0.000799	0.00038	mg/L	0.000799	212.84%
QC value within limits for Cobalt,7440-48-4 Recovery = 37.52% — Failed from 12-24-07								
Copper,7440-50-8†	462.1	0.00415	mg/L	0.001038	0.00415	mg/L	0.001038	24.99%
QC value within limits for Copper,7440-50-8 Recovery = 69.23%								
Iron,7439-89-6†	20.0	0.05292	mg/L	0.012599	0.05292	mg/L	0.012599	23.81%
QC value within limits for Iron,7439-89-6 Recovery = 132.29%								
Lead,7439-92-1†	27.2	0.00537	mg/L	0.000872	0.00537	mg/L	0.000872	16.25%
QC value within limits for Lead,7439-92-1 Recovery = 107.34%								
Lithium,7439-93-2†	-62.5	-0.00108	mg/L	0.000373	-0.00108	mg/L	0.000373	34.43%
Magnesium,7439-95-4†	4.0	0.04868	mg/L	0.005113	0.04868	mg/L	0.005113	10.50%
Manganese,7439-96-5†	469.4	0.00178	mg/L	0.000025	0.00178	mg/L	0.000025	1.39%
Molybdenum,7439-98-7†	-6.9	-0.00106	mg/L	0.001577	-0.00106	mg/L	0.001577	149.36%
Nickel,7440-02-0†	-14.9	-0.00074	mg/L	0.000740	-0.00074	mg/L	0.000740	99.84%
Potassium,7440-09-7†	208.3	0.15473	mg/L	0.010504	0.15473	mg/L	0.010504	6.79%
Selenium,7782-49-2†	15.7	0.03294	mg/L	0.005193	0.03294	mg/L	0.005193	15.76%
QC value within limits for Selenium,7782-49-2 Recovery = 109.80%								
Silicon,7440-21-3†	-4.8	-0.07790	mg/L	0.052160	-0.07790	mg/L	0.052160	66.95%
Silver,7440-22-4†	-332.3	-0.00242	mg/L	0.001449	-0.00242	mg/L	0.001449	59.91%
Sodium,7440-23-5†	-95.3	-0.06222	mg/L	0.014092	-0.06222	mg/L	0.014092	22.65%
Strontium,7440-24-6†	-24.0	-0.00025	mg/L	0.000399	-0.00025	mg/L	0.000399	157.04%
Thallium,7440-28-0†	1.6	0.00236	mg/L	0.006284	0.00236	mg/L	0.006284	266.42%
QC value within limits for Thallium,7440-28-0 Recovery = 117.93%								
Tin,7440-31-5†	53.2	0.03357	mg/L	0.002450	0.03357	mg/L	0.002450	7.30%
QC value within limits for Tin,7440-31-5 Recovery = 134.27%								
Titanium,7440-32-6†	-521.2	-0.00199	mg/L	0.001455	-0.00199	mg/L	0.001455	73.15%
Vanadium,7440-62-2†	392.0	0.00604	mg/L	0.001523	0.00604	mg/L	0.001523	25.21%
QC value within limits for Vanadium,7440-62-2 Recovery = 120.85%								
Zinc,7440-66-6†	238.0	0.00822	mg/L	0.000147	0.00822	mg/L	0.000147	1.79%
QC value within limits for Zinc,7440-66-6 Recovery = 82.19%								
Zirconium,7440-67-7†	-22.3	-0.00013	mg/L	0.000309	-0.00013	mg/L	0.000309	234.26%

QC Failed. Continue with analysis.

Sequence No.: 8
Sample ID: 2000
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 12/22/2007 1:50:59 PM
Data Type: Reprocessed on 12/24/2007 11:40:37 AM

Initial Sample Vol:
Sample Prep Vol:

169874

Mean Data: 2000

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Scandium-IS	1855574.1	95.5908	%	0.88040				0.92%
Yttrium,7440-65-5A	1063542.7	94.6918	%	0.82139				0.87%
Yttrium,7440-65-5R	60848.5	101.644	%	1.4848				1.46%
Ar 420.067 R	924417.8	98.9174	%	0.13411				0.14%
Ar 363.268 A	41299.2	98.7859	%	0.08923				0.09%
Aluminum,7429-90-5†	36715.8	198.282	mg/L	0.5084	198.282	mg/L	0.5084	0.26%
QC value within limits for Aluminum,7429-90-5 Recovery = 99.14%								
Antimony,7440-36-0†	17.9	0.04132	mg/L	0.008560	0.04132	mg/L	0.008560	20.72%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-28.1	-0.02408	mg/L	0.007840	-0.02408	mg/L	0.007840	32.56%
QC value less than the lower limit for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	74.4	-0.00588	mg/L	0.000235	-0.00588	mg/L	0.000235	4.00%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	237.2	0.00016	mg/L	0.000098	0.00016	mg/L	0.000098	59.57%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	-722.9	-0.04000	mg/L	0.002892	-0.04000	mg/L	0.002892	7.23%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	58.1	-0.00014	mg/L	0.000019	-0.00014	mg/L	0.000019	13.41%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	242194.9	195.990	mg/L	3.3484	195.990	mg/L	3.3484	1.71%
QC value within limits for Calcium,7440-70-2 Recovery = 97.99%								
Chromium,7440-47-3†	-451.8	-0.01302	mg/L	0.000154	-0.01302	mg/L	0.000154	1.18%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	-57.8	-0.00932	mg/L	0.000926	-0.00932	mg/L	0.000926	9.93%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	1876.4	0.00327	mg/L	0.000824	0.00327	mg/L	0.000824	25.18%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	29277.6	77.2676	mg/L	0.24878	77.2676	mg/L	0.24878	0.32%
QC value within limits for Iron,7439-89-6 Recovery = 96.58%								
Lead,7439-92-1†	-252.9	-0.00547	mg/L	0.002812	-0.00547	mg/L	0.002812	51.43%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-3.4	-0.00057	mg/L	0.001945	-0.00057	mg/L	0.001945	341.07%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	15415.9	187.357	mg/L	1.8281	187.357	mg/L	1.8281	0.98%
QC value within limits for Magnesium,7439-95-4 Recovery = 93.68%								
Manganese,7439-96-5†	579.5	-0.00216	mg/L	0.000075	-0.00216	mg/L	0.000075	3.45%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	-43.2	-0.00444	mg/L	0.000571	-0.00444	mg/L	0.000571	12.86%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-39.4	-0.00616	mg/L	0.000063	-0.00616	mg/L	0.000063	1.03%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	165.8	0.14903	mg/L	0.068166	0.14903	mg/L	0.068166	45.74%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-10.3	-0.01364	mg/L	0.008482	-0.01364	mg/L	0.008482	62.18%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	-0.9	-0.02528	mg/L	0.045118	-0.02528	mg/L	0.045118	178.50%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	-321.7	-0.00576	mg/L	0.000583	-0.00576	mg/L	0.000583	10.12%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	184.9	0.06243	mg/L	0.014091	0.06243	mg/L	0.014091	22.57%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	246.2	-0.00322	mg/L	0.000400	-0.00322	mg/L	0.000400	12.41%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	-17.1	-0.02113	mg/L	0.010196	-0.02113	mg/L	0.010196	48.24%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	-173.3	-0.10961	mg/L	0.004888	-0.10961	mg/L	0.004888	4.46%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	-121.3	-0.00128	mg/L	0.001085	-0.00128	mg/L	0.001085	84.55%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2†	-273.3	-0.00766	mg/L	0.000382	-0.00766	mg/L	0.000382	4.98%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated								
Zinc,7440-66-6†	559.7	0.00329	mg/L	0.000252	0.00329	mg/L	0.000252	7.66%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated								
Zirconium,7440-67-7†	170.3	-0.00027	mg/L	0.000346	-0.00027	mg/L	0.000346	130.09%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated								

QC Failed. Continue with analysis.

CWB 12-24-07

169875

Sequence No.: 9
Sample ID: 2000
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 12/22/2007 2:08:48 PM
Data Type: Reprocessed on 12/24/2007 11:40:40 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 2000

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Scandium-IS	1863425.3	95.9952	%	0.69546				0.72%
Yttrium,7440-65-5A	1066229.9	94.9311	%	0.69737				0.73%
Yttrium,7440-65-5R	60794.6	101.554	%	0.2507				0.25%
Ar 420.067 R	924600.8	98.9370	%	0.38294				0.39%
Ar 363.268 A	41482.4	99.2242	%	0.31351				0.32%
Aluminum,7429-90-5†	36304.6	196.062	mg/L	0.1560	196.062	mg/L	0.1560	0.08%
QC value within limits for Aluminum,7429-90-5 Recovery = 98.03%								
Antimony,7440-36-0†	12.3	0.03221	mg/L	0.004784	0.03221	mg/L	0.004784	14.85%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-23.3	-0.01432	mg/L	0.010982	-0.01432	mg/L	0.010982	76.71%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	85.6	-0.00553	mg/L	0.000031	-0.00553	mg/L	0.000031	0.57%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	159.5	0.00011	mg/L	0.000037	0.00011	mg/L	0.000037	33.01%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	-774.4	-0.04496	mg/L	0.009338	-0.04496	mg/L	0.009338	20.77%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	48.7	-0.00037	mg/L	0.000138	-0.00037	mg/L	0.000138	37.83%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	240688.6	194.771	mg/L	0.6919	194.771	mg/L	0.6919	0.36%
QC value within limits for Calcium,7440-70-2 Recovery = 97.39%								
Chromium,7440-47-3†	-451.4	-0.01300	mg/L	0.000787	-0.01300	mg/L	0.000787	6.06%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	-37.6	-0.00783	mg/L	0.000664	-0.00783	mg/L	0.000664	8.48%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	1843.4	0.00315	mg/L	0.000539	0.00315	mg/L	0.000539	17.10%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	28791.8	75.9853	mg/L	0.17429	75.9853	mg/L	0.17429	0.23%
QC value within limits for Iron,7439-89-6 Recovery = 94.98%								
Lead,7439-92-1†	-250.1	-0.00540	mg/L	0.001606	-0.00540	mg/L	0.001606	29.74%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-4.6	-0.00058	mg/L	0.000855	-0.00058	mg/L	0.000855	146.31%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	15290.9	185.837	mg/L	0.6326	185.837	mg/L	0.6326	0.34%
QC value within limits for Magnesium,7439-95-4 Recovery = 92.92%								
Manganese,7439-96-5†	594.7	-0.00205	mg/L	0.000123	-0.00205	mg/L	0.000123	6.00%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	-48.4	-0.00526	mg/L	0.000971	-0.00526	mg/L	0.000971	18.46%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-46.3	-0.00645	mg/L	0.000785	-0.00645	mg/L	0.000785	12.18%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	114.8	0.11083	mg/L	0.044257	0.11083	mg/L	0.044257	39.93%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-8.6	-0.01008	mg/L	0.009582	-0.01008	mg/L	0.009582	95.03%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	-4.0	-0.07510	mg/L	0.061482	-0.07510	mg/L	0.061482	81.87%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	-302.7	-0.00560	mg/L	0.000628	-0.00560	mg/L	0.000628	11.21%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	105.5	0.01112	mg/L	0.030249	0.01112	mg/L	0.030249	272.10%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	285.1	-0.00278	mg/L	0.000196	-0.00278	mg/L	0.000196	7.06%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	-13.5	-0.01604	mg/L	0.005755	-0.01604	mg/L	0.005755	35.88%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	-175.1	-0.11076	mg/L	0.002882	-0.11076	mg/L	0.002882	2.60%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	-298.1	-0.00194	mg/L	0.000962	-0.00194	mg/L	0.000962	49.46%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2†	-199.6	-0.00644	mg/L	0.000706	-0.00644	mg/L	0.000706	10.96%

169876

QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated

Zinc,7440-66-6†	563.4	0.00363 mg/L	0.000550	0.00363 mg/L	0.000550	15.13%

QC value within limits for Zinc,7440-66-6 Recovery = Not calculated

Zirconium,7440-67-7†	211.6	-0.00001 mg/L	0.000369	-0.00001 mg/L	0.000369	>999.9%

QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 10 **Autosampler Location: 6**
Sample ID: 2100 **Date Collected: 12/22/2007 2:15:56 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:40:41 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 2100

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	1854596.2	95.5404	%	0.81503				0.85%
Yttrium,7440-65-5A	1062889.4	94.6336	%	0.73308				0.77%
Yttrium,7440-65-5R	60879.7	101.696	%	0.3250				0.32%
Ar 420.067 R	921509.3	98.6062	%	0.52935				0.54%
Ar 363.268 A	41548.6	99.3824	%	0.51903				0.52%
Aluminum,7429-90-5†	36745.4	198.434	mg/L	0.3732	198.434	mg/L	0.3732	0.19%
QC value within limits for Aluminum,7429-90-5 Recovery = 99.22%								
Antimony,7440-36-0†	634.3	1.02617	mg/L	0.018531	1.02617	mg/L	0.018531	1.81%
QC value within limits for Antimony,7440-36-0 Recovery = 102.62%								
Arsenic,7440-38-2†	459.1	1.02109	mg/L	0.021275	1.02109	mg/L	0.021275	2.08%
QC value within limits for Arsenic,7440-38-2 Recovery = 102.11%								
Barium,7440-39-3†	23255.1	0.50313	mg/L	0.009121	0.50313	mg/L	0.009121	1.81%
QC value within limits for Barium,7440-39-3 Recovery = 100.63%								
Beryllium,7440-41-7†	810767.1	0.53967	mg/L	0.004713	0.53967	mg/L	0.004713	0.87%
QC value within limits for Beryllium,7440-41-7 Recovery = 107.93%								
Boron,7440-42-8†	10687.2	0.97486	mg/L	0.014326	0.97486	mg/L	0.014326	1.47%
QC value within limits for Boron,7440-42-8 Recovery = 97.49%								
Cadmium,7440-43-9†	35534.6	0.98278	mg/L	0.016813	0.98278	mg/L	0.016813	1.71%
QC value within limits for Cadmium,7440-43-9 Recovery = 98.28%								
Calcium,7440-70-2†	241449.3	195.385	mg/L	0.9147	195.385	mg/L	0.9147	0.47%
QC value within limits for Calcium,7440-70-2 Recovery = 97.69%								
Chromium,7440-47-3†	19785.3	0.49439	mg/L	0.010143	0.49439	mg/L	0.010143	2.05%
QC value within limits for Chromium,7440-47-3 Recovery = 98.88%								
Cobalt,7440-48-4†	6566.5	0.45231	mg/L	0.006896	0.45231	mg/L	0.006896	1.52%
QC value within limits for Cobalt,7440-48-4 Recovery = 90.46%								
Copper,7440-50-8†	57614.5	0.50410	mg/L	0.010274	0.50410	mg/L	0.010274	2.04%
QC value within limits for Copper,7440-50-8 Recovery = 100.82%								
Iron,7439-89-6†	29261.8	77.2240	mg/L	0.18017	77.2240	mg/L	0.18017	0.23%
QC value within limits for Iron,7439-89-6 Recovery = 96.53%								
Lead,7439-92-1†	4791.4	0.98781	mg/L	0.012686	0.98781	mg/L	0.012686	1.28%
QC value within limits for Lead,7439-92-1 Recovery = 98.78%								
Lithium,7439-93-2†	-83.7	-0.00199	mg/L	0.001254	-0.00199	mg/L	0.001254	63.13%
Magnesium,7439-95-4†	15523.3	188.660	mg/L	1.0476	188.660	mg/L	1.0476	0.56%
QC value within limits for Magnesium,7439-95-4 Recovery = 94.33%								
Manganese,7439-96-5†	131758.4	0.49426	mg/L	0.009767	0.49426	mg/L	0.009767	1.98%
QC value within limits for Manganese,7439-96-5 Recovery = 98.85%								
Molybdenum,7439-98-7†	6516.5	0.99115	mg/L	0.013227	0.99115	mg/L	0.013227	1.33%
QC value within limits for Molybdenum,7439-98-7 Recovery = 99.11%								
Nickel,7440-02-0†	18992.0	0.93220	mg/L	0.016429	0.93220	mg/L	0.016429	1.76%
QC value within limits for Nickel,7440-02-0 Recovery = 93.22%								
Potassium,7440-09-7†	164.4	0.14575	mg/L	0.055509	0.14575	mg/L	0.055509	38.08%
Selenium,7782-49-2†	490.7	1.03989	mg/L	0.025781	1.03989	mg/L	0.025781	2.48%
QC value within limits for Selenium,7782-49-2 Recovery = 103.99%								
Silicon,7440-21-3†	6.4	0.09245	mg/L	0.030866	0.09245	mg/L	0.030866	33.39%
Silver,7440-22-4†	143329.7	1.03957	mg/L	0.016104	1.03957	mg/L	0.016104	1.55%
QC value within limits for Silver,7440-22-4 Recovery = 103.96%								
Sodium,7440-23-5†	1664.7	1.03494	mg/L	0.009243	1.03494	mg/L	0.009243	0.89%
Strontium,7440-24-6†	284.4	-0.00314	mg/L	0.000306	-0.00314	mg/L	0.000306	9.75%
Thallium,7440-28-0†	710.1	1.03637	mg/L	0.002673	1.03637	mg/L	0.002673	0.26%
QC value within limits for Thallium,7440-28-0 Recovery = 103.64%								
Tin,7440-31-5†	-177.7	-0.11240	mg/L	0.003316	-0.11240	mg/L	0.003316	2.95%
Titanium,7440-32-6†	-303.5	-0.00205	mg/L	0.000645	-0.00205	mg/L	0.000645	31.55%

169877

Vanadium,7440-62-2† 30537.0 0.46757 mg/L 0.010153 0.46757 mg/L 0.010153 2.17%
QC value within limits for Vanadium,7440-62-2 Recovery = 93.51%
Zinc,7440-66-6† 29612.3 0.99986 mg/L 0.019367 0.99986 mg/L 0.019367 1.94%
QC value within limits for Zinc,7440-66-6 Recovery = 99.99%
Zirconium,7440-67-7† 242.1 -0.00029 mg/L 0.000149 -0.00029 mg/L 0.000149 51.36%
All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 12/22/2007 2:23:30 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:40:43 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	1976172.5	101.803	%	0.9312				0.91%
Yttrium,7440-65-5A	1132999.6	100.876	%	0.9304				0.92%
Yttrium,7440-65-5R	63553.2	106.162	%	0.9371				0.88%
Ar 420.067 R	940852.3	100.676	%	0.8471				0.84%
Ar 363.268 A	41653.8	99.6342	%	0.21981				0.22%
Aluminum,7429-90-5†	935.2	5.04163	mg/L	0.059583	5.04163	mg/L	0.059583	1.18%
QC value within limits for Aluminum,7429-90-5 Recovery = 100.83%								
Antimony,7440-36-0†	318.6	0.51142	mg/L	0.008712	0.51142	mg/L	0.008712	1.70%
QC value within limits for Antimony,7440-36-0 Recovery = 102.28%								
Arsenic,7440-38-2†	237.3	0.51713	mg/L	0.010061	0.51713	mg/L	0.010061	1.95%
QC value within limits for Arsenic,7440-38-2 Recovery = 103.43%								
Barium,7440-39-3†	23353.2	0.51239	mg/L	0.006416	0.51239	mg/L	0.006416	1.25%
QC value within limits for Barium,7440-39-3 Recovery = 102.48%								
Beryllium,7440-41-7†	776483.3	0.51674	mg/L	0.001295	0.51674	mg/L	0.001295	0.25%
QC value within limits for Beryllium,7440-41-7 Recovery = 103.35%								
Boron,7440-42-8†	28914.7	2.56954	mg/L	0.032185	2.56954	mg/L	0.032185	1.25%
QC value within limits for Boron,7440-42-8 Recovery = 102.78%								
Cadmium,7440-43-9†	18878.9	0.52252	mg/L	0.008467	0.52252	mg/L	0.008467	1.62%
QC value within limits for Cadmium,7440-43-9 Recovery = 104.50%								
Calcium,7440-70-2†	6318.7	5.11184	mg/L	0.006375	5.11184	mg/L	0.006375	0.12%
QC value within limits for Calcium,7440-70-2 Recovery = 102.24%								
Chromium,7440-47-3†	20530.7	0.51488	mg/L	0.008459	0.51488	mg/L	0.008459	1.64%
QC value within limits for Chromium,7440-47-3 Recovery = 102.98%								
Cobalt,7440-48-4†	7237.8	0.50307	mg/L	0.005481	0.50307	mg/L	0.005481	1.09%
QC value within limits for Cobalt,7440-48-4 Recovery = 100.61%								
Copper,7440-50-8†	56816.1	0.50980	mg/L	0.006785	0.50980	mg/L	0.006785	1.33%
QC value within limits for Copper,7440-50-8 Recovery = 101.96%								
Iron,7439-89-6†	1918.1	5.06106	mg/L	0.051274	5.06106	mg/L	0.051274	1.01%
QC value within limits for Iron,7439-89-6 Recovery = 101.22%								
Lead,7439-92-1†	2576.6	0.50811	mg/L	0.004989	0.50811	mg/L	0.004989	0.98%
QC value within limits for Lead,7439-92-1 Recovery = 101.62%								
Lithium,7439-93-2†	30013.3	0.51990	mg/L	0.008730	0.51990	mg/L	0.008730	1.68%
QC value within limits for Lithium,7439-93-2 Recovery = 103.98%								
Magnesium,7439-95-4†	424.2	5.15818	mg/L	0.084033	5.15818	mg/L	0.084033	1.63%
QC value within limits for Magnesium,7439-95-4 Recovery = 103.16%								
Manganese,7439-96-5†	135881.0	0.51428	mg/L	0.006402	0.51428	mg/L	0.006402	1.24%
QC value within limits for Manganese,7439-96-5 Recovery = 102.86%								
Molybdenum,7439-98-7†	3310.4	0.50230	mg/L	0.005581	0.50230	mg/L	0.005581	1.11%
QC value within limits for Molybdenum,7439-98-7 Recovery = 100.46%								
Nickel,7440-02-0†	10566.4	0.52039	mg/L	0.007140	0.52039	mg/L	0.007140	1.37%
QC value within limits for Nickel,7440-02-0 Recovery = 104.08%								
Potassium,7440-09-7†	13124.4	9.75024	mg/L	0.051812	9.75024	mg/L	0.051812	0.53%
QC value within limits for Potassium,7440-09-7 Recovery = 97.50%								
Selenium,7782-49-2†	237.3	0.49938	mg/L	0.012827	0.49938	mg/L	0.012827	2.57%
QC value within limits for Selenium,7782-49-2 Recovery = 99.88%								
Silicon,7440-21-3†	312.0	5.00893	mg/L	0.091648	5.00893	mg/L	0.091648	1.83%
QC value within limits for Silicon,7440-21-3 Recovery = 100.18%								
Silver,7440-22-4†	70422.6	0.51336	mg/L	0.008226	0.51336	mg/L	0.008226	1.60%
QC value within limits for Silver,7440-22-4 Recovery = 102.67%								
Sodium,7440-23-5†	30128.3	19.6704	mg/L	0.01693	19.6704	mg/L	0.01693	0.09%
QC value within limits for Sodium,7440-23-5 Recovery = 98.35%								
Strontium,7440-24-6†	48516.2	0.50311	mg/L	0.007153	0.50311	mg/L	0.007153	1.42%

169878

QC value within limits for Strontium,7440-24-6 Recovery = 100.62%
Thallium,7440-28-0† 348.7 0.51645 mg/L 0.004915 0.51645 mg/L 0.004915 0.95%
QC value within limits for Thallium,7440-28-0 Recovery = 103.29%
Tin,7440-31-5† 796.1 0.50468 mg/L 0.006544 0.50468 mg/L 0.006544 1.30%
QC value within limits for Tin,7440-31-5 Recovery = 100.94%
Titanium,7440-32-6† 133513.9 0.50901 mg/L 0.002333 0.50901 mg/L 0.002333 0.46%
QC value within limits for Titanium,7440-32-6 Recovery = 101.80%
Vanadium,7440-62-2† 33395.3 0.51482 mg/L 0.008690 0.51482 mg/L 0.008690 1.69%
QC value within limits for Vanadium,7440-62-2 Recovery = 102.96%
Zinc,7440-66-6† 15100.6 0.51698 mg/L 0.007970 0.51698 mg/L 0.007970 1.54%
QC value within limits for Zinc,7440-66-6 Recovery = 103.40%
Zirconium,7440-67-7† 88667.6 0.50849 mg/L 0.007659 0.50849 mg/L 0.007659 1.51%
QC value within limits for Zirconium,7440-67-7 Recovery = 101.70%
All analyte(s) passed QC.

Sequence No.: 12 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 12/22/2007 2:31:15 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:40:45 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	1994935.2	102.770	%	0.7051				0.69%
Yttrium,7440-65-5A	1151297.1	102.505	%	0.7140				0.70%
Yttrium,7440-65-5R	64561.4	107.846	%	0.3564				0.33%
Ar 420.067 R	944881.0	101.107	%	0.7015				0.69%
Ar 363.268 A	41442.3	99.1283	%	0.37463				0.38%
Aluminum,7429-90-5†	15.1	0.08138	mg/L	0.023731	0.08138	mg/L	0.023731	29.16%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	5.4	0.00857	mg/L	0.006524	0.00857	mg/L	0.006524	76.16%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	0.0	0.00008	mg/L	0.008514	0.00008	mg/L	0.008514	>999.9%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	-4.0	-0.00009	mg/L	0.000119	-0.00009	mg/L	0.000119	132.04%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-9.1	-0.00001	mg/L	0.000012	-0.00001	mg/L	0.000012	203.18%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	331.8	0.02944	mg/L	0.005206	0.02944	mg/L	0.005206	17.69%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	5.9	0.00016	mg/L	0.000047	0.00016	mg/L	0.000047	28.92%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-11.2	-0.00903	mg/L	0.003249	-0.00903	mg/L	0.003249	35.96%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-27.7	-0.00070	mg/L	0.000762	-0.00070	mg/L	0.000762	109.27%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	3.4	0.00024	mg/L	0.000265	0.00024	mg/L	0.000265	111.47%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	120.0	0.00108	mg/L	0.000213	0.00108	mg/L	0.000213	19.80%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	6.3	0.01653	mg/L	0.009798	0.01653	mg/L	0.009798	59.26%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-1.8	-0.00034	mg/L	0.001026	-0.00034	mg/L	0.001026	303.55%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-28.2	-0.00049	mg/L	0.002146	-0.00049	mg/L	0.002146	438.94%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	4.1	0.05027	mg/L	0.077524	0.05027	mg/L	0.077524	154.21%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	35.0	0.00013	mg/L	0.000003	0.00013	mg/L	0.000003	1.95%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	-1.0	-0.00016	mg/L	0.000895	-0.00016	mg/L	0.000895	571.39%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	6.6	0.00033	mg/L	0.001007	0.00033	mg/L	0.001007	308.79%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	112.1	0.08329	mg/L	0.061078	0.08329	mg/L	0.061078	73.33%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-2.8	-0.00584	mg/L	0.002640	-0.00584	mg/L	0.002640	45.24%

169879

QC value within limits for Selenium,7782-49-2 Recovery = Not calculated
Silicon,7440-21-3† -2.5 -0.04096 mg/L 0.034183 -0.04096 mg/L 0.034183 83.46%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated
Silver,7440-22-4† -215.1 -0.00157 mg/L 0.000356 -0.00157 mg/L 0.000356 22.73%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated
Sodium,7440-23-5† -77.4 -0.05050 mg/L 0.021707 -0.05050 mg/L 0.021707 42.99%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated
Strontium,7440-24-6† -49.2 -0.00051 mg/L 0.000324 -0.00051 mg/L 0.000324 63.43%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated
Thallium,7440-28-0† 2.7 0.00394 mg/L 0.010294 0.00394 mg/L 0.010294 261.21%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated
Tin,7440-31-5† 3.4 0.00217 mg/L 0.001143 0.00217 mg/L 0.001143 52.79%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated
Titanium,7440-32-6† -182.5 -0.00070 mg/L 0.000746 -0.00070 mg/L 0.000746 107.16%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated
Vanadium,7440-62-2† 94.9 0.00146 mg/L 0.001011 0.00146 mg/L 0.001011 69.08%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated
Zinc,7440-66-6† -21.8 -0.00076 mg/L 0.000338 -0.00076 mg/L 0.000338 44.43%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated
Zirconium,7440-67-7† -6.5 -0.00004 mg/L 0.000288 -0.00004 mg/L 0.000288 756.47%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 13 **Autosampler Location: 17**
Sample ID: 558100 **Date Collected: 12/22/2007 2:40:10 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:40:47 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 558100

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	2031334.2	104.645	%	0.8569				0.82%
Yttrium,7440-65-5A	1174559.5	104.576	%	0.7981				0.76%
Yttrium,7440-65-5R	65803.0	109.920	%	0.2485				0.23%
Ar 420.067 R	951509.1	101.816	%	0.2357				0.23%
Ar 363.268 A	41816.4	100.023	%	0.2442				0.24%
Aluminum,7429-90-5†	12.3	0.06668	mg/L	0.026075	0.06668	mg/L	0.026075	39.10%
Antimony,7440-36-0†	4.0	0.00646	mg/L	0.001967	0.00646	mg/L	0.001967	30.45%
Arsenic,7440-38-2†	-1.6	-0.00332	mg/L	0.000352	-0.00332	mg/L	0.000352	10.62%
Barium,7440-39-3†	-22.6	-0.00050	mg/L	0.000157	-0.00050	mg/L	0.000157	31.54%
Beryllium,7440-41-7†	-336.9	-0.00022	mg/L	0.000055	-0.00022	mg/L	0.000055	24.57%
Boron,7440-42-8†	73.4	0.00651	mg/L	0.002013	0.00651	mg/L	0.002013	30.93%
Cadmium,7440-43-9†	4.1	0.00011	mg/L	0.000191	0.00011	mg/L	0.000191	167.36%
Calcium,7440-70-2†	-13.3	-0.01080	mg/L	0.004391	-0.01080	mg/L	0.004391	40.66%
Chromium,7440-47-3†	-24.8	-0.00062	mg/L	0.000968	-0.00062	mg/L	0.000968	155.26%
Cobalt,7440-48-4†	0.2	0.00002	mg/L	0.000833	0.00002	mg/L	0.000833	>999.9%
Copper,7440-50-8†	-233.6	-0.00210	mg/L	0.000849	-0.00210	mg/L	0.000849	40.35%
Iron,7439-89-6†	-0.5	-0.00137	mg/L	0.005583	-0.00137	mg/L	0.005583	408.84%
Lead,7439-92-1†	-12.4	-0.00243	mg/L	0.000097	-0.00243	mg/L	0.000097	4.01%
Lithium,7439-93-2†	-24.6	-0.00043	mg/L	0.000599	-0.00043	mg/L	0.000599	140.78%
Magnesium,7439-95-4†	1.2	0.01501	mg/L	0.040060	0.01501	mg/L	0.040060	266.97%
Manganese,7439-96-5†	-88.6	-0.00033	mg/L	0.000049	-0.00033	mg/L	0.000049	14.69%
Molybdenum,7439-98-7†	-3.8	-0.00058	mg/L	0.000668	-0.00058	mg/L	0.000668	114.71%
Nickel,7440-02-0†	-25.6	-0.00126	mg/L	0.000354	-0.00126	mg/L	0.000354	28.07%
Potassium,7440-09-7†	120.1	0.08925	mg/L	0.063236	0.08925	mg/L	0.063236	70.85%
Selenium,7782-49-2†	0.2	0.00046	mg/L	0.009035	0.00046	mg/L	0.009035	>999.9%
Silicon,7440-21-3†	-5.1	-0.08147	mg/L	0.016306	-0.08147	mg/L	0.016306	20.02%
Silver,7440-22-4†	-204.4	-0.00149	mg/L	0.000952	-0.00149	mg/L	0.000952	63.94%
Sodium,7440-23-5†	-131.5	-0.08587	mg/L	0.016688	-0.08587	mg/L	0.016688	19.43%
Strontium,7440-24-6†	4.0	0.00004	mg/L	0.000488	0.00004	mg/L	0.000488	>999.9%
Thallium,7440-28-0†	7.7	0.01112	mg/L	0.006493	0.01112	mg/L	0.006493	58.39%
Tin,7440-31-5†	-6.3	-0.00397	mg/L	0.002302	-0.00397	mg/L	0.002302	58.02%
Titanium,7440-32-6†	-385.7	-0.00147	mg/L	0.000298	-0.00147	mg/L	0.000298	20.29%
Vanadium,7440-62-2†	57.1	0.00088	mg/L	0.000501	0.00088	mg/L	0.000501	56.87%
Zinc,7440-66-6†	-84.3	-0.00290	mg/L	0.000343	-0.00290	mg/L	0.000343	11.81%
Zirconium,7440-67-7†	-40.3	-0.00023	mg/L	0.000185	-0.00023	mg/L	0.000185	80.30%

Sequence No.: 14
Sample ID: 558101
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 18
Date Collected: 12/22/2007 2:47:20 PM
Data Type: Reprocessed on 12/24/2007 11:40:51 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 558101

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	2030430.7	104.599	%	0.5227				0.50%
Yttrium,7440-65-5A	1164068.8	103.642	%	0.4797				0.46%
Yttrium,7440-65-5R	64562.4	107.848	%	0.7259				0.67%
Ar 420.067 R	947179.1	101.353	%	0.1913				0.19%
Ar 363.268 A	42008.9	100.484	%	0.5808				0.58%
Aluminum,7429-90-5†	929.7	5.01212	mg/L	0.005637	5.01212	mg/L	0.005637	0.11%
Antimony,7440-36-0†	312.6	0.50178	mg/L	0.014487	0.50178	mg/L	0.014487	2.89%
Arsenic,7440-38-2†	236.4	0.51488	mg/L	0.007730	0.51488	mg/L	0.007730	1.50%
Barium,7440-39-3†	22853.4	0.50142	mg/L	0.002630	0.50142	mg/L	0.002630	0.52%
Beryllium,7440-41-7†	783286.8	0.52129	mg/L	0.000638	0.52129	mg/L	0.000638	0.12%
Boron,7440-42-8†	28042.3	2.49210	mg/L	0.027197	2.49210	mg/L	0.027197	1.09%
Cadmium,7440-43-9†	18479.1	0.51146	mg/L	0.003940	0.51146	mg/L	0.003940	0.77%
Calcium,7440-70-2†	6284.6	5.08429	mg/L	0.021568	5.08429	mg/L	0.021568	0.42%
Chromium,7440-47-3†	20050.3	0.50283	mg/L	0.003485	0.50283	mg/L	0.003485	0.69%
Cobalt,7440-48-4†	7196.6	0.50022	mg/L	0.002097	0.50022	mg/L	0.002097	0.42%
Copper,7440-50-8†	54923.6	0.49277	mg/L	0.002436	0.49277	mg/L	0.002436	0.49%
Iron,7439-89-6†	1932.2	5.09834	mg/L	0.031858	5.09834	mg/L	0.031858	0.62%
Lead,7439-92-1†	2575.3	0.50785	mg/L	0.002726	0.50785	mg/L	0.002726	0.54%
Lithium,7439-93-2†	29364.0	0.50866	mg/L	0.001060	0.50866	mg/L	0.001060	0.21%
Magnesium,7439-95-4†	425.8	5.17730	mg/L	0.041897	5.17730	mg/L	0.041897	0.81%
Manganese,7439-96-5†	132724.7	0.50232	mg/L	0.002630	0.50232	mg/L	0.002630	0.52%
Molybdenum,7439-98-7†	3249.7	0.49309	mg/L	0.001543	0.49309	mg/L	0.001543	0.31%
Nickel,7440-02-0†	10352.3	0.50984	mg/L	0.003359	0.50984	mg/L	0.003359	0.66%
Potassium,7440-09-7†	13302.0	9.88226	mg/L	0.118236	9.88226	mg/L	0.118236	1.20%
Selenium,7782-49-2†	241.1	0.50746	mg/L	0.005717	0.50746	mg/L	0.005717	1.13%
Silicon,7440-21-3†	310.9	4.99129	mg/L	0.013944	4.99129	mg/L	0.013944	0.28%
Silver,7440-22-4†	68074.8	0.49627	mg/L	0.002868	0.49627	mg/L	0.002868	0.58%
Sodium,7440-23-5†	29407.7	19.1998	mg/L	0.00492	19.1998	mg/L	0.00492	0.03%
Strontium,7440-24-6†	47199.6	0.48945	mg/L	0.001124	0.48945	mg/L	0.001124	0.23%
Thallium,7440-28-0†	347.9	0.51512	mg/L	0.005944	0.51512	mg/L	0.005944	1.15%
Tin,7440-31-5†	819.4	0.51937	mg/L	0.001177	0.51937	mg/L	0.001177	0.23%
Titanium,7440-32-6†	131928.8	0.50297	mg/L	0.001553	0.50297	mg/L	0.001553	0.31%
Vanadium,7440-62-2†	32550.9	0.50179	mg/L	0.002562	0.50179	mg/L	0.002562	0.51%
Zinc,7440-66-6†	14801.6	0.50673	mg/L	0.004052	0.50673	mg/L	0.004052	0.80%
Zirconium,7440-67-7†	177.5	0.00055	mg/L	0.000323	0.00055	mg/L	0.000323	58.60%

Sequence No.: 15
Sample ID: 20712202101
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 19
Date Collected: 12/22/2007 2:54:34 PM
Data Type: Reprocessed on 12/24/2007 11:40:52 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20712202101

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	2023054.7	104.219	%	0.9201				0.88%
Yttrium,7440-65-5A	1163494.6	103.591	%	0.8382				0.81%
Yttrium,7440-65-5R	66280.9	110.718	%	0.5492				0.50%
Ar 420.067 R	947076.4	101.342	%	0.4087				0.40%
Ar 363.268 A	41712.8	99.7754	%	0.18579				0.19%
Aluminum,7429-90-5†	657.8	3.55191	mg/L	0.055371	3.55191	mg/L	0.055371	1.56%
Antimony,7440-36-0†	1.9	0.00341	mg/L	0.008533	0.00341	mg/L	0.008533	250.34%
Arsenic,7440-38-2†	1.4	0.00386	mg/L	0.003903	0.00386	mg/L	0.003903	101.05%
Barium,7440-39-3†	714.5	0.01542	mg/L	0.000200	0.01542	mg/L	0.000200	1.30%
Beryllium,7440-41-7†	-145.9	-0.00011	mg/L	0.000025	-0.00011	mg/L	0.000025	22.64%
Boron,7440-42-8†	613.4	0.05524	mg/L	0.003080	0.05524	mg/L	0.003080	5.58%

169881

Cadmium,7440-43-9†	31.1	0.00080 mg/L	0.000101	0.00080 mg/L	0.000101	12.50%
Calcium,7440-70-2†	20137.3	16.2972 mg/L	0.04282	16.2972 mg/L	0.04282	0.26%
Chromium,7440-47-3†	127.2	0.00315 mg/L	0.000388	0.00315 mg/L	0.000388	12.29%
Cobalt,7440-48-4†	-1.2	-0.00027 mg/L	0.000659	-0.00027 mg/L	0.000659	247.53%
Copper,7440-50-8†	203.4	0.00153 mg/L	0.000435	0.00153 mg/L	0.000435	28.48%
Iron,7439-89-6†	746.0	1.96901 mg/L	0.004567	1.96901 mg/L	0.004567	0.23%
Lead,7439-92-1†	-9.8	-0.00103 mg/L	0.001185	-0.00103 mg/L	0.001185	115.24%
Lithium,7439-93-2†	-67.1	-0.00117 mg/L	0.001059	-0.00117 mg/L	0.001059	90.40%
Magnesium,7439-95-4†	111.4	1.35461 mg/L	0.015297	1.35461 mg/L	0.015297	1.13%
Manganese,7439-96-5†	523.6	0.00190 mg/L	0.000100	0.00190 mg/L	0.000100	5.27%
Molybdenum,7439-98-7†	36.9	0.00558 mg/L	0.002256	0.00558 mg/L	0.002256	40.40%
Nickel,7440-02-0†	-6.6	-0.00042 mg/L	0.000256	-0.00042 mg/L	0.000256	61.08%
Potassium,7440-09-7†	1921.9	1.42852 mg/L	0.017441	1.42852 mg/L	0.017441	1.22%
Selenium,7782-49-2†	-4.5	-0.00918 mg/L	0.007548	-0.00918 mg/L	0.007548	82.19%
Silicon,7440-21-3†	93.8	1.50995 mg/L	0.027588	1.50995 mg/L	0.027588	1.83%
Silver,7440-22-4†	-241.8	-0.00205 mg/L	0.001097	-0.00205 mg/L	0.001097	53.57%
Sodium,7440-23-5†	10220.0	6.66748 mg/L	0.048663	6.66748 mg/L	0.048663	0.73%
Strontium,7440-24-6†	2097.0	0.02130 mg/L	0.000283	0.02130 mg/L	0.000283	1.33%
Thallium,7440-28-0†	2.8	0.00463 mg/L	0.010417	0.00463 mg/L	0.010417	225.15%
Tin,7440-31-5†	-29.5	-0.01840 mg/L	0.004176	-0.01840 mg/L	0.004176	22.69%
Titanium,7440-32-6†	5136.5	0.01957 mg/L	0.001182	0.01957 mg/L	0.001182	6.04%
Vanadium,7440-62-2†	721.7	0.01100 mg/L	0.001744	0.01100 mg/L	0.001744	15.86%
Zinc,7440-66-6†	485.6	0.01646 mg/L	0.000421	0.01646 mg/L	0.000421	2.56%
Zirconium,7440-67-7†	-10.4	-0.00009 mg/L	0.000287	-0.00009 mg/L	0.000287	303.84%

Sequence No.: 16
Sample ID: 558102
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 20
Date Collected: 12/22/2007 3:01:47 PM
Data Type: Reprocessed on 12/24/2007 11:40:54 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 558102

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2037840.1	104.980	%	0.9098				0.87%
Yttrium,7440-65-5A	1172251.1	104.371	%	1.0065				0.96%
Yttrium,7440-65-5R	65460.5	109.348	%	0.6923				0.63%
Ar 420.067 R	947616.4	101.400	%	0.2156				0.21%
Ar 363.268 A	41514.7	99.3014	%	0.58624				0.59%
Aluminum,7429-90-5†	674.3	3.64117	mg/L	0.027765	3.64117	mg/L	0.027765	0.76%
Antimony,7440-36-0†	6.9	0.01136	mg/L	0.005005	0.01136	mg/L	0.005005	44.05%
Arsenic,7440-38-2†	1.6	0.00434	mg/L	0.004009	0.00434	mg/L	0.004009	92.37%
Barium,7440-39-3†	729.9	0.01575	mg/L	0.000113	0.01575	mg/L	0.000113	0.71%
Beryllium,7440-41-7†	-177.4	-0.00013	mg/L	0.000034	-0.00013	mg/L	0.000034	26.11%
Boron,7440-42-8†	431.1	0.03908	mg/L	0.006256	0.03908	mg/L	0.006256	16.01%
Cadmium,7440-43-9†	33.1	0.00086	mg/L	0.000109	0.00086	mg/L	0.000109	12.67%
Calcium,7440-70-2†	20632.0	16.6976	mg/L	0.06310	16.6976	mg/L	0.06310	0.38%
Chromium,7440-47-3†	76.2	0.00187	mg/L	0.000723	0.00187	mg/L	0.000723	38.60%
Cobalt,7440-48-4†	2.7	0.00001	mg/L	0.000838	0.00001	mg/L	0.000838	>999.9%
Copper,7440-50-8†	117.6	0.00075	mg/L	0.000761	0.00075	mg/L	0.000761	101.21%
Iron,7439-89-6†	753.0	1.98750	mg/L	0.006046	1.98750	mg/L	0.006046	0.30%
Lead,7439-92-1†	-8.6	-0.00077	mg/L	0.003400	-0.00077	mg/L	0.003400	442.47%
Lithium,7439-93-2†	-84.7	-0.00148	mg/L	0.000922	-0.00148	mg/L	0.000922	62.39%
Magnesium,7439-95-4†	113.2	1.37622	mg/L	0.030254	1.37622	mg/L	0.030254	2.20%
Manganese,7439-96-5†	516.5	0.00187	mg/L	0.000076	0.00187	mg/L	0.000076	4.08%
Molybdenum,7439-98-7†	40.5	0.00613	mg/L	0.001509	0.00613	mg/L	0.001509	24.61%
Nickel,7440-02-0†	-10.8	-0.00063	mg/L	0.000623	-0.00063	mg/L	0.000623	99.11%
Potassium,7440-09-7†	1954.7	1.45285	mg/L	0.038934	1.45285	mg/L	0.038934	2.68%
Selenium,7782-49-2†	-0.1	0.00011	mg/L	0.010295	0.00011	mg/L	0.010295	>999.9%
Silicon,7440-21-3†	96.0	1.54554	mg/L	0.041778	1.54554	mg/L	0.041778	2.70%
Silver,7440-22-4†	-215.9	-0.00187	mg/L	0.000823	-0.00187	mg/L	0.000823	44.07%
Sodium,7440-23-5†	10550.3	6.88305	mg/L	0.028730	6.88305	mg/L	0.028730	0.42%
Strontium,7440-24-6†	2143.6	0.02178	mg/L	0.000392	0.02178	mg/L	0.000392	1.80%
Thallium,7440-28-0†	3.3	0.00537	mg/L	0.004967	0.00537	mg/L	0.004967	92.52%
Tin,7440-31-5†	-31.5	-0.01968	mg/L	0.002000	-0.01968	mg/L	0.002000	10.16%
Titanium,7440-32-6†	5301.9	0.02020	mg/L	0.000930	0.02020	mg/L	0.000930	4.61%
Vanadium,7440-62-2†	721.2	0.01099	mg/L	0.001832	0.01099	mg/L	0.001832	16.67%
Zinc,7440-66-6†	424.0	0.01433	mg/L	0.000284	0.01433	mg/L	0.000284	1.98%

169882

Zirconium,7440-67-7†	30.8	0.00014 mg/L	0.000346	0.00014 mg/L	0.000346	243.63%	

Sequence No.: 17 **Autosampler Location: 21**
Sample ID: 558103 **Date Collected: 12/22/2007 3:08:57 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:40:56 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 558103

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2005187.1	103.298	%	0.7236				0.70%
Yttrium,7440-65-5A	1148846.6	102.287	%	0.7371				0.72%
Yttrium,7440-65-5R	65116.6	108.774	%	1.3880				1.28%
Ar 420.067 R	944405.8	101.056	%	0.3232				0.32%
Ar 363.268 A	41802.1	99.9889	%	0.38213				0.38%
Aluminum,7429-90-5†	1773.0	9.56511	mg/L	0.141112	9.56511	mg/L	0.141112	1.48%
Antimony,7440-36-0†	332.4	0.53386	mg/L	0.011218	0.53386	mg/L	0.011218	2.10%
Arsenic,7440-38-2†	254.9	0.55613	mg/L	0.001469	0.55613	mg/L	0.001469	0.26%
Barium,7440-39-3†	24751.6	0.54280	mg/L	0.003562	0.54280	mg/L	0.003562	0.66%
Beryllium,7440-41-7†	818968.5	0.54502	mg/L	0.000716	0.54502	mg/L	0.000716	0.13%
Boron,7440-42-8†	30589.4	2.71910	mg/L	0.016784	2.71910	mg/L	0.016784	0.62%
Cadmium,7440-43-9†	19299.2	0.53409	mg/L	0.005362	0.53409	mg/L	0.005362	1.00%
Calcium,7440-70-2†	26719.2	21.6221	mg/L	0.04506	21.6221	mg/L	0.04506	0.21%
Chromium,7440-47-3†	21266.7	0.53328	mg/L	0.001764	0.53328	mg/L	0.001764	0.33%
Cobalt,7440-48-4†	7599.1	0.52801	mg/L	0.005341	0.52801	mg/L	0.005341	1.01%
Copper,7440-50-8†	58551.6	0.52505	mg/L	0.001917	0.52505	mg/L	0.001917	0.37%
Iron,7439-89-6†	2775.3	7.32362	mg/L	0.121476	7.32362	mg/L	0.121476	1.66%
Lead,7439-92-1†	2696.8	0.53288	mg/L	0.007047	0.53288	mg/L	0.007047	1.32%
Lithium,7439-93-2†	28439.1	0.49262	mg/L	0.001183	0.49262	mg/L	0.001183	0.24%
Magnesium,7439-95-4†	546.1	6.64036	mg/L	0.113743	6.64036	mg/L	0.113743	1.71%
Manganese,7439-96-5†	139756.3	0.52885	mg/L	0.002443	0.52885	mg/L	0.002443	0.46%
Molybdenum,7439-98-7†	3468.2	0.52625	mg/L	0.007430	0.52625	mg/L	0.007430	1.41%
Nickel,7440-02-0†	10884.3	0.53594	mg/L	0.002021	0.53594	mg/L	0.002021	0.38%
Potassium,7440-09-7†	15352.6	11.4063	mg/L	0.10538	11.4063	mg/L	0.10538	0.92%
Selenium,7782-49-2†	260.5	0.54854	mg/L	0.010642	0.54854	mg/L	0.010642	1.94%
Silicon,7440-21-3†	491.6	7.89955	mg/L	0.176992	7.89955	mg/L	0.176992	2.24%
Silver,7440-22-4†	71702.4	0.52243	mg/L	0.002165	0.52243	mg/L	0.002165	0.41%
Sodium,7440-23-5†	41433.5	27.0462	mg/L	0.07435	27.0462	mg/L	0.07435	0.27%
Strontium,7440-24-6†	51514.2	0.53374	mg/L	0.001801	0.53374	mg/L	0.001801	0.34%
Thallium,7440-28-0†	358.1	0.53112	mg/L	0.002276	0.53112	mg/L	0.002276	0.43%
Tin,7440-31-5†	838.4	0.53175	mg/L	0.010673	0.53175	mg/L	0.010673	2.01%
Titanium,7440-32-6†	144796.5	0.55201	mg/L	0.001466	0.55201	mg/L	0.001466	0.27%
Vanadium,7440-62-2†	35357.5	0.54493	mg/L	0.003174	0.54493	mg/L	0.003174	0.58%
Zinc,7440-66-6†	16092.0	0.55076	mg/L	0.004311	0.55076	mg/L	0.004311	0.78%
Zirconium,7440-67-7†	146.8	0.00031	mg/L	0.000145	0.00031	mg/L	0.000145	46.34%

Sequence No.: 18 **Autosampler Location: 22**
Sample ID: 558945 **Date Collected: 12/22/2007 3:16:11 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:40:57 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 558945

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2035632.5	104.867	%	0.2979				0.28%
Yttrium,7440-65-5A	1167820.4	103.976	%	0.3355				0.32%
Yttrium,7440-65-5R	65423.7	109.287	%	0.6534				0.60%
Ar 420.067 R	952959.4	101.971	%	0.5505				0.54%
Ar 363.268 A	41725.1	99.8047	%	0.18333				0.18%
Aluminum,7429-90-5†	1608.7	8.67841	mg/L	0.016138	8.67841	mg/L	0.016138	0.19%
Antimony,7440-36-0†	316.3	0.50809	mg/L	0.012838	0.50809	mg/L	0.012838	2.53%
Arsenic,7440-38-2†	242.5	0.52886	mg/L	0.000961	0.52886	mg/L	0.000961	0.18%
Barium,7440-39-3†	23506.4	0.51549	mg/L	0.001474	0.51549	mg/L	0.001474	0.29%

169883

Beryllium,7440-41-7†	791634.1	0.52684 mg/L	0.000712	0.52684 mg/L	0.000712	0.14%
Boron,7440-42-8†	30615.3	2.72119 mg/L	0.003644	2.72119 mg/L	0.003644	0.13%
Cadmium,7440-43-9†	18196.3	0.50356 mg/L	0.002145	0.50356 mg/L	0.002145	0.43%
Calcium,7440-70-2†	26047.8	21.0787 mg/L	0.03264	21.0787 mg/L	0.03264	0.15%
Chromium,7440-47-3†	20240.6	0.50756 mg/L	0.002298	0.50756 mg/L	0.002298	0.45%
Cobalt,7440-48-4†	7232.9	0.50252 mg/L	0.002632	0.50252 mg/L	0.002632	0.52%
Copper,7440-50-8†	55507.2	0.49772 mg/L	0.001642	0.49772 mg/L	0.001642	0.33%
Iron,7439-89-6†	2671.5	7.04956 mg/L	0.042444	7.04956 mg/L	0.042444	0.60%
Lead,7439-92-1†	2563.3	0.50640 mg/L	0.007494	0.50640 mg/L	0.007494	1.48%
Lithium,7439-93-2†	28975.0	0.50191 mg/L	0.003300	0.50191 mg/L	0.003300	0.66%
Magnesium,7439-95-4†	525.0	6.38481 mg/L	0.082780	6.38481 mg/L	0.082780	1.30%
Manganese,7439-96-5†	133186.5	0.50398 mg/L	0.001742	0.50398 mg/L	0.001742	0.35%
Molybdenum,7439-98-7†	3347.6	0.50795 mg/L	0.002999	0.50795 mg/L	0.002999	0.59%
Nickel,7440-02-0†	10291.0	0.50671 mg/L	0.002947	0.50671 mg/L	0.002947	0.58%
Potassium,7440-09-7†	15270.8	11.3455 mg/L	0.14016	11.3455 mg/L	0.14016	1.24%
Selenium,7782-49-2†	237.5	0.50011 mg/L	0.006910	0.50011 mg/L	0.006910	1.38%
Silicon,7440-21-3†	467.6	7.51412 mg/L	0.080228	7.51412 mg/L	0.080228	1.07%
Silver,7440-22-4†	67548.9	0.49220 mg/L	0.000947	0.49220 mg/L	0.000947	0.19%
Sodium,7440-23-5†	40237.9	26.2657 mg/L	0.10122	26.2657 mg/L	0.10122	0.39%
Strontium,7440-24-6†	49431.9	0.51216 mg/L	0.001866	0.51216 mg/L	0.001866	0.36%
Thallium,7440-28-0†	353.4	0.52391 mg/L	0.005159	0.52391 mg/L	0.005159	0.98%
Tin,7440-31-5†	801.4	0.50830 mg/L	0.003748	0.50830 mg/L	0.003748	0.74%
Titanium,7440-32-6†	142874.5	0.54469 mg/L	0.003253	0.54469 mg/L	0.003253	0.60%
Vanadium,7440-62-2†	33438.2	0.51535 mg/L	0.001735	0.51535 mg/L	0.001735	0.34%
Zinc,7440-66-6†	15285.2	0.52316 mg/L	0.001149	0.52316 mg/L	0.001149	0.22%
Zirconium,7440-67-7†	102.5	0.00009 mg/L	0.000222	0.00009 mg/L	0.000222	259.22%

Sequence No.: 19 **Autosampler Location: 23**
Sample ID: 558946 **Date Collected: 12/22/2007 3:23:26 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:40:59 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 558946

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2007378.3	103.411	%	0.7718				0.75%
Yttrium,7440-65-5A	1160071.9	103.286	%	0.7166				0.69%
Yttrium,7440-65-5R	64448.2	107.657	%	0.4486				0.42%
Ar 420.067 R	948044.2	101.446	%	0.0893				0.09%
Ar 363.268 A	41134.7	98.3925	%	0.36462				0.37%
Aluminum,7429-90-5†	156.5	0.84495	mg/L	0.046875	4.22476	mg/L	0.234375	5.55%
Antimony,7440-36-0†	4.1	0.00656	mg/L	0.005706	0.03278	mg/L	0.028532	87.05%
Arsenic,7440-38-2†	-0.6	-0.00107	mg/L	0.003012	-0.00534	mg/L	0.015061	282.12%
Barium,7440-39-3†	132.5	0.00286	mg/L	0.000394	0.01428	mg/L	0.001971	13.81%
Beryllium,7440-41-7†	-132.9	-0.00009	mg/L	0.000040	-0.00046	mg/L	0.000198	43.48%
Boron,7440-42-8†	416.4	0.03711	mg/L	0.002610	0.18553	mg/L	0.013051	7.03%
Cadmium,7440-43-9†	15.4	0.00042	mg/L	0.000034	0.00208	mg/L	0.000171	8.23%
Calcium,7440-70-2†	3939.2	3.18804	mg/L	0.067347	15.9402	mg/L	0.33674	2.11%
Chromium,7440-47-3†	-10.0	-0.00027	mg/L	0.000197	-0.00133	mg/L	0.000984	73.96%
Cobalt,7440-48-4†	1.3	0.00006	mg/L	0.000772	0.00028	mg/L	0.003858	>999.9%
Copper,7440-50-8†	51.0	0.00039	mg/L	0.000324	0.00196	mg/L	0.001618	82.34%
Iron,7439-89-6†	148.4	0.39173	mg/L	0.005105	1.95863	mg/L	0.025526	1.30%
Lead,7439-92-1†	-2.6	-0.00030	mg/L	0.000660	-0.00151	mg/L	0.003299	219.17%
Lithium,7439-93-2†	-49.0	-0.00085	mg/L	0.000679	-0.00425	mg/L	0.003393	79.78%
Magnesium,7439-95-4†	27.8	0.33792	mg/L	0.060260	1.68960	mg/L	0.301300	17.83%
Manganese,7439-96-5†	728.0	0.00274	mg/L	0.000109	0.01370	mg/L	0.000546	3.99%
Molybdenum,7439-98-7†	7.1	0.00108	mg/L	0.000750	0.00542	mg/L	0.003748	69.18%
Nickel,7440-02-0†	6.2	0.00028	mg/L	0.000353	0.00142	mg/L	0.001765	124.71%
Potassium,7440-09-7†	414.3	0.30795	mg/L	0.047326	1.53976	mg/L	0.236631	15.37%
Selenium,7782-49-2†	-3.6	-0.00743	mg/L	0.003080	-0.03716	mg/L	0.015401	41.45%
Silicon,7440-21-3†	19.5	0.31344	mg/L	0.025022	1.56718	mg/L	0.125111	7.98%
Silver,7440-22-4†	-245.4	-0.00184	mg/L	0.000731	-0.00920	mg/L	0.003656	39.75%
Sodium,7440-23-5†	1941.1	1.26636	mg/L	0.018037	6.33178	mg/L	0.090187	1.42%
Strontium,7440-24-6†	378.5	0.00384	mg/L	0.000229	0.01919	mg/L	0.001143	5.96%
Thallium,7440-28-0†	5.6	0.00825	mg/L	0.001109	0.04123	mg/L	0.005544	13.45%
Tin,7440-31-5†	-2.5	-0.00153	mg/L	0.001393	-0.00764	mg/L	0.006965	91.16%
Titanium,7440-32-6†	1275.5	0.00486	mg/L	0.000894	0.02430	mg/L	0.004471	18.40%

169884

Vanadium,7440-62-2†	176.4	0.00269	mg/L	0.000909	0.01347	mg/L	0.004545 33.73%
Zinc,7440-66-6†	159.7	0.00545	mg/L	0.000258	0.02726	mg/L	0.001288 4.73%
Zirconium,7440-67-7†	-2.0	-0.00002	mg/L	0.000230	-0.00010	mg/L	0.001148 >999.9%

Sequence No.: 20
Sample ID: 20712202014 EQBLK
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 24
Date Collected: 12/22/2007 3:30:42 PM
Data Type: Reprocessed on 12/24/2007 11:41:03 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20712202014 EQBLK

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2039605.8	105.071	%	0.7096				0.68%
Yttrium,7440-65-5A	1181744.2	105.216	%	0.7826				0.74%
Yttrium,7440-65-5R	64302.6	107.414	%	2.7103				2.52%
Ar 420.067 R	947506.4	101.388	%	0.3661				0.36%
Ar 363.268 A	41298.5	98.7843	%	0.66759				0.68%
Aluminum,7429-90-5†	13.1	0.07073	mg/L	0.068529	0.07073	mg/L	0.068529	96.89%
Antimony,7440-36-0†	2.3	0.00362	mg/L	0.008746	0.00362	mg/L	0.008746	241.74%
Arsenic,7440-38-2†	0.2	0.00037	mg/L	0.007054	0.00037	mg/L	0.007054	>999.9%
Barium,7440-39-3†	4.8	0.00010	mg/L	0.000213	0.00010	mg/L	0.000213	218.16%
Beryllium,7440-41-7†	-276.4	-0.00018	mg/L	0.000004	-0.00018	mg/L	0.000004	2.43%
Boron,7440-42-8†	277.3	0.02464	mg/L	0.003628	0.02464	mg/L	0.003628	14.73%
Cadmium,7440-43-9†	0.0	0.00000	mg/L	0.000130	0.00000	mg/L	0.000130	>999.9%
Calcium,7440-70-2†	192.9	0.15613	mg/L	0.012386	0.15613	mg/L	0.012386	7.93%
Chromium,7440-47-3†	17.9	0.00045	mg/L	0.000398	0.00045	mg/L	0.000398	88.67%
Cobalt,7440-48-4†	8.3	0.00057	mg/L	0.000143	0.00057	mg/L	0.000143	25.00%
Copper,7440-50-8†	-257.6	-0.00234	mg/L	0.000614	-0.00234	mg/L	0.000614	26.23%
Iron,7439-89-6†	34.8	0.09186	mg/L	0.011890	0.09186	mg/L	0.011890	12.94%
Lead,7439-92-1†	-9.7	-0.00190	mg/L	0.001990	-0.00190	mg/L	0.001990	104.55%
Lithium,7439-93-2†	-113.0	-0.00196	mg/L	0.000572	-0.00196	mg/L	0.000572	29.21%
Magnesium,7439-95-4†	8.4	0.10187	mg/L	0.078389	0.10187	mg/L	0.078389	76.95%
Manganese,7439-96-5†	1367.9	0.00518	mg/L	0.000091	0.00518	mg/L	0.000091	1.76%
Molybdenum,7439-98-7†	-7.3	-0.00111	mg/L	0.000557	-0.00111	mg/L	0.000557	50.33%
Nickel,7440-02-0†	-15.9	-0.00079	mg/L	0.000800	-0.00079	mg/L	0.000800	101.09%
Potassium,7440-09-7†	418.1	0.31069	mg/L	0.047738	0.31069	mg/L	0.047738	15.37%
Selenium,7782-49-2†	-2.2	-0.00471	mg/L	0.002693	-0.00471	mg/L	0.002693	57.15%
Silicon,7440-21-3†	-2.8	-0.04522	mg/L	0.034346	-0.04522	mg/L	0.034346	75.95%
Silver,7440-22-4†	-340.3	-0.00248	mg/L	0.000961	-0.00248	mg/L	0.000961	38.76%
Sodium,7440-23-5†	319.8	0.20871	mg/L	0.032474	0.20871	mg/L	0.032474	15.56%
Strontium,7440-24-6†	67.3	0.00069	mg/L	0.000341	0.00069	mg/L	0.000341	49.18%
Thallium,7440-28-0†	4.2	0.00609	mg/L	0.008256	0.00609	mg/L	0.008256	135.64%
Tin,7440-31-5†	-2.7	-0.00173	mg/L	0.000916	-0.00173	mg/L	0.000916	52.98%
Titanium,7440-32-6†	-440.8	-0.00168	mg/L	0.001469	-0.00168	mg/L	0.001469	87.34%
Vanadium,7440-62-2†	-10.7	-0.00017	mg/L	0.001019	-0.00017	mg/L	0.001019	594.98%
Zinc,7440-66-6†	129.5	0.00447	mg/L	0.000088	0.00447	mg/L	0.000088	1.97%
Zirconium,7440-67-7†	-11.3	-0.00007	mg/L	0.000309	-0.00007	mg/L	0.000309	457.11%

Sequence No.: 21
Sample ID: 20712202015 FLDBLK
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 25
Date Collected: 12/22/2007 3:37:48 PM
Data Type: Reprocessed on 12/24/2007 11:41:04 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20712202015 FLDBLK

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2017801.1	103.948	%	0.3587				0.35%
Yttrium,7440-65-5A	1168943.1	104.076	%	0.3333				0.32%
Yttrium,7440-65-5R	65549.4	109.496	%	0.6286				0.57%
Ar 420.067 R	943658.5	100.976	%	0.2503				0.25%
Ar 363.268 A	41324.3	98.8461	%	0.39847				0.40%
Aluminum,7429-90-5†	16.6	0.08974	mg/L	0.028126	0.08974	mg/L	0.028126	31.34%
Antimony,7440-36-0†	2.9	0.00470	mg/L	0.004903	0.00470	mg/L	0.004903	104.41%

169885

Arsenic,7440-38-2†	-1.3	-0.00268	mg/L	0.002723	-0.00268	mg/L	0.002723 101.49%
Barium,7440-39-3†	-2.8	-0.00006	mg/L	0.000208	-0.00006	mg/L	0.000208 338.61%
Beryllium,7440-41-7†	-305.1	-0.00020	mg/L	0.000019	-0.00020	mg/L	0.000019 9.49%
Boron,7440-42-8†	160.4	0.01422	mg/L	0.002664	0.01422	mg/L	0.002664 18.73%
Cadmium,7440-43-9†	2.1	0.00006	mg/L	0.000036	0.00006	mg/L	0.000036 60.01%
Calcium,7440-70-2†	12.0	0.00974	mg/L	0.002326	0.00974	mg/L	0.002326 23.89%
Chromium,7440-47-3†	9.0	0.00023	mg/L	0.001082	0.00023	mg/L	0.001082 480.29%
Cobalt,7440-48-4†	10.6	0.00074	mg/L	0.000636	0.00074	mg/L	0.000636 85.58%
Copper,7440-50-8†	-273.5	-0.00246	mg/L	0.000367	-0.00246	mg/L	0.000367 14.90%
Iron,7439-89-6†	6.3	0.01658	mg/L	0.004915	0.01658	mg/L	0.004915 29.64%
Lead,7439-92-1†	-7.3	-0.00141	mg/L	0.002617	-0.00141	mg/L	0.002617 185.98%
Lithium,7439-93-2†	-82.7	-0.00143	mg/L	0.000486	-0.00143	mg/L	0.000486 33.92%
Magnesium,7439-95-4†	2.6	0.03116	mg/L	0.020804	0.03116	mg/L	0.020804 66.76%
Manganese,7439-96-5†	-77.3	-0.00029	mg/L	0.000048	-0.00029	mg/L	0.000048 16.36%
Molybdenum,7439-98-7†	-4.5	-0.00069	mg/L	0.000052	-0.00069	mg/L	0.000052 7.50%
Nickel,7440-02-0†	-45.1	-0.00223	mg/L	0.000294	-0.00223	mg/L	0.000294 13.23%
Potassium,7440-09-7†	178.9	0.13297	mg/L	0.091486	0.13297	mg/L	0.091486 68.80%
Selenium,7782-49-2†	-3.8	-0.00799	mg/L	0.005202	-0.00799	mg/L	0.005202 65.12%
Silicon,7440-21-3†	-5.8	-0.09279	mg/L	0.058277	-0.09279	mg/L	0.058277 62.80%
Silver,7440-22-4†	-279.4	-0.00204	mg/L	0.000842	-0.00204	mg/L	0.000842 41.32%
Sodium,7440-23-5†	-151.0	-0.09861	mg/L	0.014740	-0.09861	mg/L	0.014740 14.95%
Strontium,7440-24-6†	2.4	0.00002	mg/L	0.000559	0.00002	mg/L	0.000559 >999.9%
Thallium,7440-28-0†	-1.6	-0.00238	mg/L	0.007698	-0.00238	mg/L	0.007698 323.22%
Tin,7440-31-5†	-0.7	-0.00048	mg/L	0.003340	-0.00048	mg/L	0.003340 693.80%
Titanium,7440-32-6†	-767.6	-0.00293	mg/L	0.000664	-0.00293	mg/L	0.000664 22.69%
Vanadium,7440-62-2†	-3.3	-0.00005	mg/L	0.001114	-0.00005	mg/L	0.001114 >999.9%
Zinc,7440-66-6†	-70.5	-0.00242	mg/L	0.000298	-0.00242	mg/L	0.000298 12.31%
Zirconium,7440-67-7†	-20.4	-0.00012	mg/L	0.000445	-0.00012	mg/L	0.000445 380.08%

Sequence No.: 22
Sample ID: 20712202102
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 26
Date Collected: 12/22/2007 3:44:54 PM
Data Type: Reprocessed on 12/24/2007 11:41:06 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20712202102

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2035936.7	104.882	%	0.3495				0.33%
Yttrium,7440-65-5A	1170497.1	104.214	%	0.3573				0.34%
Yttrium,7440-65-5R	65366.6	109.191	%	0.8514				0.78%
Ar 420.067 R	947258.9	101.361	%	0.2471				0.24%
Ar 363.268 A	41476.8	99.2108	%	0.37943				0.38%
Aluminum,7429-90-5†	272.5	1.47097	mg/L	0.005259	1.47097	mg/L	0.005259	0.36%
Antimony,7440-36-0†	3.8	0.00643	mg/L	0.006919	0.00643	mg/L	0.006919	107.62%
Arsenic,7440-38-2†	4.6	0.01078	mg/L	0.007600	0.01078	mg/L	0.007600	70.51%
Barium,7440-39-3†	278.9	0.00564	mg/L	0.000027	0.00564	mg/L	0.000027	0.48%
Beryllium,7440-41-7†	-117.0	-0.00010	mg/L	0.000049	-0.00010	mg/L	0.000049	50.99%
Boron,7440-42-8†	414.1	0.03792	mg/L	0.000730	0.03792	mg/L	0.000730	1.93%
Cadmium,7440-43-9†	67.7	0.00182	mg/L	0.000117	0.00182	mg/L	0.000117	6.41%
Calcium,7440-70-2†	55238.0	44.7051	mg/L	0.06013	44.7051	mg/L	0.06013	0.13%
Chromium,7440-47-3†	31.7	0.00074	mg/L	0.000187	0.00074	mg/L	0.000187	25.06%
Cobalt,7440-48-4†	5.8	0.00029	mg/L	0.000482	0.00029	mg/L	0.000482	167.97%
Copper,7440-50-8†	50.4	0.00004	mg/L	0.000703	0.00004	mg/L	0.000703	>999.9%
Iron,7439-89-6†	449.6	1.18648	mg/L	0.006862	1.18648	mg/L	0.006862	0.58%
Lead,7439-92-1†	-18.7	-0.00299	mg/L	0.003102	-0.00299	mg/L	0.003102	103.68%
Lithium,7439-93-2†	-104.8	-0.00183	mg/L	0.001889	-0.00183	mg/L	0.001889	103.48%
Magnesium,7439-95-4†	179.0	2.17498	mg/L	0.083459	2.17498	mg/L	0.083459	3.84%
Manganese,7439-96-5†	19266.9	0.07297	mg/L	0.000354	0.07297	mg/L	0.000354	0.48%
Molybdenum,7439-98-7†	20.3	0.00293	mg/L	0.000847	0.00293	mg/L	0.000847	28.94%
Nickel,7440-02-0†	-18.8	-0.00103	mg/L	0.000488	-0.00103	mg/L	0.000488	47.44%
Potassium,7440-09-7†	5396.5	4.01016	mg/L	0.041482	4.01016	mg/L	0.041482	1.03%
Selenium,7782-49-2†	-1.0	-0.00191	mg/L	0.013503	-0.00191	mg/L	0.013503	707.93%
Silicon,7440-21-3†	45.9	0.73788	mg/L	0.063252	0.73788	mg/L	0.063252	8.57%
Silver,7440-22-4†	-250.4	-0.00271	mg/L	0.000368	-0.00271	mg/L	0.000368	13.55%
Sodium,7440-23-5†	9066.9	5.91147	mg/L	0.011659	5.91147	mg/L	0.011659	0.20%
Strontium,7440-24-6†	6098.6	0.06206	mg/L	0.000340	0.06206	mg/L	0.000340	0.55%
Thallium,7440-28-0†	-1.0	-0.00085	mg/L	0.003145	-0.00085	mg/L	0.003145	370.09%

169886

Tin,7440-31-5†	-75.4	-0.04706	mg/L	0.002041	-0.04706	mg/L	0.002041 4.34%
Titanium,7440-32-6†	2701.6	0.01029	mg/L	0.001490	0.01029	mg/L	0.001490 14.48%
Vanadium,7440-62-2†	1391.3	0.02140	mg/L	0.000634	0.02140	mg/L	0.000634 2.96%
Zinc,7440-66-6†	9.6	0.00000	mg/L	0.000206	0.00000	mg/L	0.000206 >999.9%
Zirconium,7440-67-7†	-69.1	-0.00044	mg/L	0.000302	-0.00044	mg/L	0.000302 68.50%

Sequence No.: 23 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 12/22/2007 3:51:59 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:41:08 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	1985925.2	102.306	%	0.3561				0.35%
Yttrium,7440-65-5A	1138429.4	101.359	%	0.3760				0.37%
Yttrium,7440-65-5R	62831.6	104.956	%	0.1441				0.14%
Ar 420.067 R	937197.9	100.285	%	0.6820				0.68%
Ar 363.268 A	41571.5	99.4373	%	0.10260				0.10%
Aluminum,7429-90-5†	937.6	5.05414	mg/L	0.070914	5.05414	mg/L	0.070914	1.40%
QC value within limits for Aluminum,7429-90-5 Recovery = 101.08%								
Antimony,7440-36-0†	316.9	0.50860	mg/L	0.003892	0.50860	mg/L	0.003892	0.77%
QC value within limits for Antimony,7440-36-0 Recovery = 101.72%								
Arsenic,7440-38-2†	242.8	0.52874	mg/L	0.002923	0.52874	mg/L	0.002923	0.55%
QC value within limits for Arsenic,7440-38-2 Recovery = 105.75%								
Barium,7440-39-3†	23435.1	0.51419	mg/L	0.002667	0.51419	mg/L	0.002667	0.52%
QC value within limits for Barium,7440-39-3 Recovery = 102.84%								
Beryllium,7440-41-7†	779364.1	0.51866	mg/L	0.000520	0.51866	mg/L	0.000520	0.10%
QC value within limits for Beryllium,7440-41-7 Recovery = 103.73%								
Boron,7440-42-8†	29009.8	2.57800	mg/L	0.005067	2.57800	mg/L	0.005067	0.20%
QC value within limits for Boron,7440-42-8 Recovery = 103.12%								
Cadmium,7440-43-9†	18903.2	0.52319	mg/L	0.003438	0.52319	mg/L	0.003438	0.66%
QC value within limits for Cadmium,7440-43-9 Recovery = 104.64%								
Calcium,7440-70-2†	6338.5	5.12787	mg/L	0.017639	5.12787	mg/L	0.017639	0.34%
QC value within limits for Calcium,7440-70-2 Recovery = 102.56%								
Chromium,7440-47-3†	20593.4	0.51645	mg/L	0.002679	0.51645	mg/L	0.002679	0.52%
QC value within limits for Chromium,7440-47-3 Recovery = 103.29%								
Cobalt,7440-48-4†	7265.9	0.50502	mg/L	0.002101	0.50502	mg/L	0.002101	0.42%
QC value within limits for Cobalt,7440-48-4 Recovery = 101.00%								
Copper,7440-50-8†	57023.8	0.51166	mg/L	0.002617	0.51166	mg/L	0.002617	0.51%
QC value within limits for Copper,7440-50-8 Recovery = 102.33%								
Iron,7439-89-6†	1948.9	5.14233	mg/L	0.021892	5.14233	mg/L	0.021892	0.43%
QC value within limits for Iron,7439-89-6 Recovery = 102.85%								
Lead,7439-92-1†	2593.0	0.51133	mg/L	0.003277	0.51133	mg/L	0.003277	0.64%
QC value within limits for Lead,7439-92-1 Recovery = 102.27%								
Lithium,7439-93-2†	29788.4	0.51601	mg/L	0.002770	0.51601	mg/L	0.002770	0.54%
QC value within limits for Lithium,7439-93-2 Recovery = 103.20%								
Magnesium,7439-95-4†	428.2	5.20725	mg/L	0.032217	5.20725	mg/L	0.032217	0.62%
QC value within limits for Magnesium,7439-95-4 Recovery = 104.14%								
Manganese,7439-96-5†	136097.9	0.51510	mg/L	0.001866	0.51510	mg/L	0.001866	0.36%
QC value within limits for Manganese,7439-96-5 Recovery = 103.02%								
Molybdenum,7439-98-7†	3328.9	0.50511	mg/L	0.001038	0.50511	mg/L	0.001038	0.21%
QC value within limits for Molybdenum,7439-98-7 Recovery = 101.02%								
Nickel,7440-02-0†	10571.7	0.52064	mg/L	0.001873	0.52064	mg/L	0.001873	0.36%
QC value within limits for Nickel,7440-02-0 Recovery = 104.13%								
Potassium,7440-09-7†	13090.6	9.72508	mg/L	0.077392	9.72508	mg/L	0.077392	0.80%
QC value within limits for Potassium,7440-09-7 Recovery = 97.25%								
Selenium,7782-49-2†	243.7	0.51301	mg/L	0.011607	0.51301	mg/L	0.011607	2.26%
QC value within limits for Selenium,7782-49-2 Recovery = 102.60%								
Silicon,7440-21-3†	316.8	5.08676	mg/L	0.048200	5.08676	mg/L	0.048200	0.95%
QC value within limits for Silicon,7440-21-3 Recovery = 101.74%								
Silver,7440-22-4†	70518.7	0.51407	mg/L	0.002557	0.51407	mg/L	0.002557	0.50%
QC value within limits for Silver,7440-22-4 Recovery = 102.81%								
Sodium,7440-23-5†	29928.4	19.5399	mg/L	0.06456	19.5399	mg/L	0.06456	0.33%
QC value within limits for Sodium,7440-23-5 Recovery = 97.70%								
Strontium,7440-24-6†	48668.6	0.50469	mg/L	0.003420	0.50469	mg/L	0.003420	0.68%
QC value within limits for Strontium,7440-24-6 Recovery = 100.94%								

169887

Thallium,7440-28-0† 348.9 0.51677 mg/L 0.017199 0.51677 mg/L 0.017199 3.33%
QC value within limits for Thallium,7440-28-0 Recovery = 103.35%
Tin,7440-31-5† 802.9 0.50900 mg/L 0.003455 0.50900 mg/L 0.003455 0.68%
QC value within limits for Tin,7440-31-5 Recovery = 101.80%
Titanium,7440-32-6† 134192.6 0.51160 mg/L 0.000554 0.51160 mg/L 0.000554 0.11%
QC value within limits for Titanium,7440-32-6 Recovery = 102.32%
Vanadium,7440-62-2† 33367.6 0.51439 mg/L 0.002070 0.51439 mg/L 0.002070 0.40%
QC value within limits for Vanadium,7440-62-2 Recovery = 102.88%
Zinc,7440-66-6† 15063.1 0.51568 mg/L 0.002599 0.51568 mg/L 0.002599 0.50%
QC value within limits for Zinc,7440-66-6 Recovery = 103.14%
Zirconium,7440-67-7† 89095.4 0.51094 mg/L 0.003001 0.51094 mg/L 0.003001 0.59%
QC value within limits for Zirconium,7440-67-7 Recovery = 102.19%
All analyte(s) passed QC.

Sequence No.: 24 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 12/22/2007 3:59:21 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:41:10 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1900

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	1994992.7	102.773	%	0.5666				0.55%
Yttrium,7440-65-5A	1154161.4	102.760	%	0.5245				0.51%
Yttrium,7440-65-5R	63096.9	105.400	%	2.7959				2.65%
Ar 420.067 R	943713.9	100.982	%	0.9689				0.96%
Ar 363.268 A	41192.9	98.5316	%	0.23214				0.24%
Aluminum,7429-90-5†	3.2	0.01731	mg/L	0.011709	0.01731	mg/L	0.011709	67.65%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	-0.0	-0.00002	mg/L	0.004520	-0.00002	mg/L	0.004520	>999.9%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-1.3	-0.00266	mg/L	0.010027	-0.00266	mg/L	0.010027	377.60%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	-18.5	-0.00041	mg/L	0.000158	-0.00041	mg/L	0.000158	38.84%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-121.3	-0.00008	mg/L	0.000024	-0.00008	mg/L	0.000024	30.43%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	384.7	0.03412	mg/L	0.001621	0.03412	mg/L	0.001621	4.75%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	3.5	0.00010	mg/L	0.000113	0.00010	mg/L	0.000113	115.26%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-7.8	-0.00632	mg/L	0.019299	-0.00632	mg/L	0.019299	305.58%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-25.1	-0.00063	mg/L	0.000932	-0.00063	mg/L	0.000932	148.25%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	3.8	0.00027	mg/L	0.000278	0.00027	mg/L	0.000278	104.40%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-78.8	-0.00071	mg/L	0.000106	-0.00071	mg/L	0.000106	14.90%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	0.9	0.00242	mg/L	0.008399	0.00242	mg/L	0.008399	346.57%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-5.8	-0.00113	mg/L	0.001601	-0.00113	mg/L	0.001601	141.32%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-21.1	-0.00037	mg/L	0.001352	-0.00037	mg/L	0.001352	370.27%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	4.8	0.05793	mg/L	0.078098	0.05793	mg/L	0.078098	134.81%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	6.1	0.00002	mg/L	0.000091	0.00002	mg/L	0.000091	405.36%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	6.5	0.00099	mg/L	0.001421	0.00099	mg/L	0.001421	143.32%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	10.2	0.00050	mg/L	0.000606	0.00050	mg/L	0.000606	120.08%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	108.7	0.08077	mg/L	0.072508	0.08077	mg/L	0.072508	89.77%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	0.2	0.00032	mg/L	0.013486	0.00032	mg/L	0.013486	>999.9%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								

169888

Silicon,7440-21-3†	-5.4	-0.08627 mg/L	0.038397	-0.08627 mg/L	0.038397	44.51%	
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated							
Silver,7440-22-4†	-370.0	-0.00269 mg/L	0.000135	-0.00269 mg/L	0.000135	5.03%	
QC value within limits for Silver,7440-22-4 Recovery = Not calculated							
Sodium,7440-23-5†	-162.4	-0.10599 mg/L	0.041210	-0.10599 mg/L	0.041210	38.88%	
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated							
Strontium,7440-24-6†	-24.0	-0.00025 mg/L	0.000714	-0.00025 mg/L	0.000714	287.19%	
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated							
Thallium,7440-28-0†	2.4	0.00351 mg/L	0.001038	0.00351 mg/L	0.001038	29.62%	
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated							
Tin,7440-31-5†	5.1	0.00319 mg/L	0.003047	0.00319 mg/L	0.003047	95.58%	
QC value within limits for Tin,7440-31-5 Recovery = Not calculated							
Titanium,7440-32-6†	-277.0	-0.00106 mg/L	0.000088	-0.00106 mg/L	0.000088	8.31%	
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated							
Vanadium,7440-62-2†	-11.7	-0.00018 mg/L	0.001083	-0.00018 mg/L	0.001083	600.47%	
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated							
Zinc,7440-66-6†	-37.9	-0.00132 mg/L	0.000155	-0.00132 mg/L	0.000155	11.78%	
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated							
Zirconium,7440-67-7†	-3.5	-0.00002 mg/L	0.000408	-0.00002 mg/L	0.000408	>999.9%	
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 25 **Autosampler Location: 27**
Sample ID: 20712202103 **Date Collected: 12/22/2007 4:06:26 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:41:11 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 20712202103

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	1983536.3	102.183	%	7.2189				7.06%
Yttrium,7440-65-5A	1138066.6	101.327	%	7.2103				7.12%
Yttrium,7440-65-5R	66236.9	110.645	%	0.5001				0.45%
Ar 420.067 R	960226.7	102.749	%	0.4527				0.44%
Ar 363.268 A	41302.5	98.7938	%	0.66267				0.67%
Aluminum,7429-90-5†	1799.5	9.71757	mg/L	0.072153	9.71757	mg/L	0.072153	0.74%
Antimony,7440-36-0†	4.8	0.00845	mg/L	0.013282	0.00845	mg/L	0.013282	157.10%
Arsenic,7440-38-2†	3.4	0.00909	mg/L	0.005336	0.00909	mg/L	0.005336	58.73%
Barium,7440-39-3†	1366.8	0.02955	mg/L	0.002214	0.02955	mg/L	0.002214	7.49%
Beryllium,7440-41-7†	124.2	0.00005	mg/L	0.000112	0.00005	mg/L	0.000112	225.54%
Boron,7440-42-8†	430.8	0.03998	mg/L	0.016451	0.03998	mg/L	0.016451	41.15%
Cadmium,7440-43-9†	230.9	0.00625	mg/L	0.000365	0.00625	mg/L	0.000365	5.84%
Calcium,7440-70-2†	16233.1	13.1369	mg/L	0.03449	13.1369	mg/L	0.03449	0.26%
Chromium,7440-47-3†	422.7	0.01048	mg/L	0.001602	0.01048	mg/L	0.001602	15.29%
Cobalt,7440-48-4†	39.1	0.00223	mg/L	0.001183	0.00223	mg/L	0.001183	53.03%
Copper,7440-50-8†	537.3	0.00415	mg/L	0.003297	0.00415	mg/L	0.003297	79.49%
Iron,7439-89-6†	1934.4	5.10594	mg/L	0.016048	5.10594	mg/L	0.016048	0.31%
Lead,7439-92-1†	53.9	0.01277	mg/L	0.002425	0.01277	mg/L	0.002425	18.98%
Lithium,7439-93-2†	-44.3	-0.00079	mg/L	0.001328	-0.00079	mg/L	0.001328	167.95%
Magnesium,7439-95-4†	156.6	1.90576	mg/L	0.040361	1.90576	mg/L	0.040361	2.12%
Manganese,7439-96-5†	4510.4	0.01686	mg/L	0.000744	0.01686	mg/L	0.000744	4.41%
Molybdenum,7439-98-7†	4.7	0.00078	mg/L	0.002492	0.00078	mg/L	0.002492	319.41%
Nickel,7440-02-0†	56.1	0.00252	mg/L	0.000651	0.00252	mg/L	0.000651	25.81%
Potassium,7440-09-7†	3275.4	2.43473	mg/L	0.050287	2.43473	mg/L	0.050287	2.07%
Selenium,7782-49-2†	-0.2	0.00025	mg/L	0.007031	0.00025	mg/L	0.007031	>999.9%
Silicon,7440-21-3†	275.3	4.43228	mg/L	0.026960	4.43228	mg/L	0.026960	0.61%
Silver,7440-22-4†	-195.1	-0.00154	mg/L	0.003297	-0.00154	mg/L	0.003297	213.68%
Sodium,7440-23-5†	24135.6	15.7497	mg/L	0.05905	15.7497	mg/L	0.05905	0.37%
Strontium,7440-24-6†	1165.9	0.01171	mg/L	0.000592	0.01171	mg/L	0.000592	5.05%
Thallium,7440-28-0†	-0.5	0.00048	mg/L	0.020430	0.00048	mg/L	0.020430	>999.9%
Tin,7440-31-5†	-29.9	-0.01860	mg/L	0.004492	-0.01860	mg/L	0.004492	24.15%
Titanium,7440-32-6†	17622.1	0.06714	mg/L	0.006381	0.06714	mg/L	0.006381	9.50%
Vanadium,7440-62-2†	699.2	0.01041	mg/L	0.006123	0.01041	mg/L	0.006123	58.80%
Zinc,7440-66-6†	705.8	0.02366	mg/L	0.002051	0.02366	mg/L	0.002051	8.67%
Zirconium,7440-67-7†	138.8	0.00071	mg/L	0.000702	0.00071	mg/L	0.000702	99.33%

169889

Sequence No.: 26
Sample ID: 20712202104
Analyst: ,
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 28
Date Collected: 12/22/2007 4:13:32 PM
Data Type: Reprocessed on 12/24/2007 11:41:16 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20712202104

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2027879.3	104.467	%	0.1971				0.19%
Yttrium,7440-65-5A	1164445.6	103.676	%	0.2021				0.19%
Yttrium,7440-65-5R	66192.6	110.571	%	0.7386				0.67%
Ar 420.067 R	949662.2	101.619	%	0.1613				0.16%
Ar 363.268 A	41593.3	99.4895	%	0.33273				0.33%
Aluminum,7429-90-5†	10217.1	55.1730	mg/L	0.62939	55.1730	mg/L	0.62939	1.14%
Antimony,7440-36-0†	7.7	0.01908	mg/L	0.004902	0.01908	mg/L	0.004902	25.69%
Arsenic,7440-38-2†	-2.1	0.00536	mg/L	0.007935	0.00536	mg/L	0.007935	148.17%
Barium,7440-39-3†	5150.4	0.10900	mg/L	0.000229	0.10900	mg/L	0.000229	0.21%
Beryllium,7440-41-7†	2584.8	0.00156	mg/L	0.000009	0.00156	mg/L	0.000009	0.58%
Boron,7440-42-8†	429.3	0.05359	mg/L	0.004035	0.05359	mg/L	0.004035	7.53%
Cadmium,7440-43-9†	654.9	0.01679	mg/L	0.000260	0.01679	mg/L	0.000260	1.55%
Calcium,7440-70-2†	139680.4	113.040	mg/L	0.1305	113.040	mg/L	0.1305	0.12%
Chromium,7440-47-3†	1671.7	0.04152	mg/L	0.000309	0.04152	mg/L	0.000309	0.75%
Cobalt,7440-48-4†	61.6	0.00063	mg/L	0.000668	0.00063	mg/L	0.000668	105.79%
Copper,7440-50-8†	1050.4	0.00390	mg/L	0.000707	0.00390	mg/L	0.000707	18.15%
Iron,7439-89-6†	16567.9	43.7335	mg/L	0.04213	43.7335	mg/L	0.04213	0.10%
Lead,7439-92-1†	56.0	0.02316	mg/L	0.000475	0.02316	mg/L	0.000475	2.05%
Lithium,7439-93-2†	198.8	0.00326	mg/L	0.001514	0.00326	mg/L	0.001514	46.40%
Magnesium,7439-95-4†	402.7	4.91948	mg/L	0.026532	4.91948	mg/L	0.026532	0.54%
Manganese,7439-96-5†	55985.4	0.21046	mg/L	0.000424	0.21046	mg/L	0.000424	0.20%
Molybdenum,7439-98-7†	11.5	0.00188	mg/L	0.000530	0.00188	mg/L	0.000530	28.17%
Nickel,7440-02-0†	77.7	0.00197	mg/L	0.000365	0.00197	mg/L	0.000365	18.50%
Potassium,7440-09-7†	5019.6	3.73598	mg/L	0.069008	3.73598	mg/L	0.069008	1.85%
Selenium,7782-49-2†	-1.5	0.00262	mg/L	0.009845	0.00262	mg/L	0.009845	376.25%
Silicon,7440-21-3†	1418.6	22.8390	mg/L	0.29374	22.8390	mg/L	0.29374	1.29%
Silver,7440-22-4†	-703.6	-0.00663	mg/L	0.000495	-0.00663	mg/L	0.000495	7.47%
Sodium,7440-23-5†	18008.7	11.7325	mg/L	0.06670	11.7325	mg/L	0.06670	0.57%
Strontium,7440-24-6†	29960.2	0.30765	mg/L	0.000995	0.30765	mg/L	0.000995	0.32%
Thallium,7440-28-0†	-6.6	-0.00300	mg/L	0.017212	-0.00300	mg/L	0.017212	573.76%
Tin,7440-31-5†	-145.9	-0.09039	mg/L	0.002574	-0.09039	mg/L	0.002574	2.85%
Titanium,7440-32-6†	89001.0	0.33892	mg/L	0.003549	0.33892	mg/L	0.003549	1.05%
Vanadium,7440-62-2†	2010.3	0.02763	mg/L	0.002335	0.02763	mg/L	0.002335	8.45%
Zinc,7440-66-6†	1256.4	0.03762	mg/L	0.000222	0.03762	mg/L	0.000222	0.59%
Zirconium,7440-67-7†	764.9	0.00362	mg/L	0.000393	0.00362	mg/L	0.000393	10.85%

Sequence No.: 27
Sample ID: 20712202105
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 29
Date Collected: 12/22/2007 4:20:41 PM
Data Type: Reprocessed on 12/24/2007 11:41:17 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20712202105

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2024269.8	104.281	%	0.4276				0.41%
Yttrium,7440-65-5A	1160536.4	103.328	%	0.3294				0.32%
Yttrium,7440-65-5R	66180.1	110.550	%	0.9002				0.81%
Ar 420.067 R	954815.1	102.170	%	0.4332				0.42%
Ar 363.268 A	41602.3	99.5110	%	0.77069				0.77%
Aluminum,7429-90-5†	914.6	4.93802	mg/L	0.026339	4.93802	mg/L	0.026339	0.53%
Antimony,7440-36-0†	11.2	0.01829	mg/L	0.007516	0.01829	mg/L	0.007516	41.08%
Arsenic,7440-38-2†	6.4	0.01533	mg/L	0.006404	0.01533	mg/L	0.006404	41.77%
Barium,7440-39-3†	989.5	0.02034	mg/L	0.000376	0.02034	mg/L	0.000376	1.85%
Beryllium,7440-41-7†	160.7	0.00009	mg/L	0.000032	0.00009	mg/L	0.000032	36.72%
Boron,7440-42-8†	448.0	0.04270	mg/L	0.002024	0.04270	mg/L	0.002024	4.74%
Cadmium,7440-43-9†	59.5	0.00157	mg/L	0.000218	0.00157	mg/L	0.000218	13.91%

169890

Calcium,7440-70-2†	179551.1	145.315	mg/L	1.5824	145.315	mg/L	1.5824	1.09%
Chromium,7440-47-3†	179.9	0.00442	mg/L	0.000876	0.00442	mg/L	0.000876	19.81%
Cobalt,7440-48-4†	19.8	0.00113	mg/L	0.000607	0.00113	mg/L	0.000607	53.45%
Copper,7440-50-8†	423.2	0.00302	mg/L	0.000878	0.00302	mg/L	0.000878	29.09%
Iron,7439-89-6†	940.4	2.48164	mg/L	0.024148	2.48164	mg/L	0.024148	0.97%
Lead,7439-92-1†	-12.4	-0.00005	mg/L	0.000381	-0.00005	mg/L	0.000381	798.24%
Lithium,7439-93-2†	15.6	0.00026	mg/L	0.000871	0.00026	mg/L	0.000871	339.49%
Magnesium,7439-95-4†	210.3	2.55601	mg/L	0.072707	2.55601	mg/L	0.072707	2.84%
Manganese,7439-96-5†	16074.3	0.06080	mg/L	0.000447	0.06080	mg/L	0.000447	0.74%
Molybdenum,7439-98-7†	14.4	0.00173	mg/L	0.001521	0.00173	mg/L	0.001521	88.16%
Nickel,7440-02-0†	-10.6	-0.00068	mg/L	0.000680	-0.00068	mg/L	0.000680	100.05%
Potassium,7440-09-7†	3314.9	2.46419	mg/L	0.068053	2.46419	mg/L	0.068053	2.76%
Selenium,7782-49-2†	-0.5	-0.00033	mg/L	0.001435	-0.00033	mg/L	0.001435	435.48%
Silicon,7440-21-3†	138.4	2.22682	mg/L	0.060924	2.22682	mg/L	0.060924	2.74%
Silver,7440-22-4†	-110.7	-0.00376	mg/L	0.000186	-0.00376	mg/L	0.000186	4.95%
Sodium,7440-23-5†	5222.4	3.38730	mg/L	0.048537	3.38730	mg/L	0.048537	1.43%
Strontium,7440-24-6†	2427.5	0.02119	mg/L	0.000183	0.02119	mg/L	0.000183	0.86%
Thallium,7440-28-0†	4.1	0.00702	mg/L	0.009823	0.00702	mg/L	0.009823	139.99%
Tin,7440-31-5†	-155.9	-0.09669	mg/L	0.002768	-0.09669	mg/L	0.002768	2.86%
Titanium,7440-32-6†	7581.5	0.02888	mg/L	0.000559	0.02888	mg/L	0.000559	1.94%
Vanadium,7440-62-2†	478.0	0.00721	mg/L	0.000477	0.00721	mg/L	0.000477	6.61%
Zinc,7440-66-6†	23.8	0.00004	mg/L	0.000148	0.00004	mg/L	0.000148	361.71%
Zirconium,7440-67-7†	18.3	0.00005	mg/L	0.000251	0.00005	mg/L	0.000251	537.88%

Sequence No.: 28
Sample ID: 20712202106
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 30
Date Collected: 12/22/2007 4:27:50 PM
Data Type: Reprocessed on 12/24/2007 11:41:19 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20712202106

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2021919.7	104.160	%	0.5958				0.57%
Yttrium,7440-65-5A	1161441.2	103.408	%	0.4117				0.40%
Yttrium,7440-65-5R	67167.5	112.199	%	0.4531				0.40%
Ar 420.067 R	958611.9	102.576	%	0.1227				0.12%
Ar 363.268 A	41557.6	99.4042	%	0.56151				0.56%
Aluminum,7429-90-5†	159.5	0.86085	mg/L	0.033234	0.86085	mg/L	0.033234	3.86%
Antimony,7440-36-0†	4.1	0.00713	mg/L	0.004913	0.00713	mg/L	0.004913	68.94%
Arsenic,7440-38-2†	1.3	0.00315	mg/L	0.005449	0.00315	mg/L	0.005449	173.23%
Barium,7440-39-3†	1784.8	0.03866	mg/L	0.000101	0.03866	mg/L	0.000101	0.26%
Beryllium,7440-41-7†	-102.7	-0.00007	mg/L	0.000062	-0.00007	mg/L	0.000062	82.63%
Boron,7440-42-8†	907.8	0.08232	mg/L	0.003106	0.08232	mg/L	0.003106	3.77%
Cadmium,7440-43-9†	5.6	0.00002	mg/L	0.000106	0.00002	mg/L	0.000106	436.83%
Calcium,7440-70-2†	48317.4	39.1039	mg/L	0.09996	39.1039	mg/L	0.09996	0.26%
Chromium,7440-47-3†	74.7	0.00196	mg/L	0.001032	0.00196	mg/L	0.001032	52.60%
Cobalt,7440-48-4†	1.7	-0.00012	mg/L	0.000565	-0.00012	mg/L	0.000565	469.94%
Copper,7440-50-8†	152.0	0.00078	mg/L	0.000568	0.00078	mg/L	0.000568	72.79%
Iron,7439-89-6†	1356.6	3.58075	mg/L	0.033871	3.58075	mg/L	0.033871	0.95%
Lead,7439-92-1†	-31.7	-0.00582	mg/L	0.001263	-0.00582	mg/L	0.001263	21.70%
Lithium,7439-93-2†	31.7	0.00053	mg/L	0.002027	0.00053	mg/L	0.002027	381.34%
Magnesium,7439-95-4†	208.1	2.53004	mg/L	0.063722	2.53004	mg/L	0.063722	2.52%
Manganese,7439-96-5†	7812.6	0.02949	mg/L	0.000270	0.02949	mg/L	0.000270	0.92%
Molybdenum,7439-98-7†	2.5	0.00023	mg/L	0.001197	0.00023	mg/L	0.001197	525.97%
Nickel,7440-02-0†	-38.1	-0.00202	mg/L	0.000378	-0.00202	mg/L	0.000378	18.72%
Potassium,7440-09-7†	1911.4	1.42072	mg/L	0.056158	1.42072	mg/L	0.056158	3.95%
Selenium,7782-49-2†	-2.7	-0.00501	mg/L	0.006332	-0.00501	mg/L	0.006332	126.46%
Silicon,7440-21-3†	430.5	6.93293	mg/L	0.064568	6.93293	mg/L	0.064568	0.93%
Silver,7440-22-4†	-205.8	-0.00228	mg/L	0.000564	-0.00228	mg/L	0.000564	24.76%
Sodium,7440-23-5†	14531.3	9.47828	mg/L	0.065404	9.47828	mg/L	0.065404	0.69%
Strontium,7440-24-6†	13281.8	0.13678	mg/L	0.000205	0.13678	mg/L	0.000205	0.15%
Thallium,7440-28-0†	2.6	0.00399	mg/L	0.006567	0.00399	mg/L	0.006567	164.60%
Tin,7440-31-5†	-68.7	-0.04296	mg/L	0.002193	-0.04296	mg/L	0.002193	5.11%
Titanium,7440-32-6†	1195.0	0.00452	mg/L	0.000564	0.00452	mg/L	0.000564	12.47%
Vanadium,7440-62-2†	292.5	0.00426	mg/L	0.000465	0.00426	mg/L	0.000465	10.90%
Zinc,7440-66-6†	-0.7	-0.00064	mg/L	0.000100	-0.00064	mg/L	0.000100	15.53%
Zirconium,7440-67-7†	-17.5	-0.00017	mg/L	0.000307	-0.00017	mg/L	0.000307	182.97%

169891

Sequence No.: 29
Sample ID: 20712202107
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 31
Date Collected: 12/22/2007 4:34:57 PM
Data Type: Reprocessed on 12/24/2007 11:41:21 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20712202107

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Scandium-IS	2032635.4	104.712	%	0.3207				0.31%
Yttrium,7440-65-5A	1169890.6	104.160	%	0.4676				0.45%
Yttrium,7440-65-5R	66384.2	110.891	%	1.5995				1.44%
Ar 420.067 R	955174.5	102.209	%	0.1597				0.16%
Ar 363.268 A	41559.6	99.4087	%	0.05130				0.05%
Aluminum,7429-90-5†	1212.7	6.54842	mg/L	0.060494	6.54842	mg/L	0.060494	0.92%
Antimony,7440-36-0†	5.6	0.00979	mg/L	0.003798	0.00979	mg/L	0.003798	38.79%
Arsenic,7440-38-2†	3.4	0.00877	mg/L	0.004593	0.00877	mg/L	0.004593	52.39%
Barium,7440-39-3†	1341.9	0.02897	mg/L	0.000311	0.02897	mg/L	0.000311	1.07%
Beryllium,7440-41-7†	8.9	-0.00001	mg/L	0.000047	-0.00001	mg/L	0.000047	416.16%
Boron,7440-42-8†	252.6	0.02412	mg/L	0.003057	0.02412	mg/L	0.003057	12.67%
Cadmium,7440-43-9†	95.0	0.00250	mg/L	0.000136	0.00250	mg/L	0.000136	5.42%
Calcium,7440-70-2†	28054.4	22.7043	mg/L	0.01299	22.7043	mg/L	0.01299	0.06%
Chromium,7440-47-3†	195.1	0.00486	mg/L	0.001143	0.00486	mg/L	0.001143	23.55%
Cobalt,7440-48-4†	21.2	0.00111	mg/L	0.000619	0.00111	mg/L	0.000619	55.57%
Copper,7440-50-8†	29.5	-0.00037	mg/L	0.000870	-0.00037	mg/L	0.000870	233.15%
Iron,7439-89-6†	1712.0	4.51875	mg/L	0.061679	4.51875	mg/L	0.061679	1.36%
Lead,7439-92-1†	-11.2	-0.00065	mg/L	0.002293	-0.00065	mg/L	0.002293	350.88%
Lithium,7439-93-2†	-5.6	-0.00012	mg/L	0.001209	-0.00012	mg/L	0.001209	>999.9%
Magnesium,7439-95-4†	214.0	2.60339	mg/L	0.094810	2.60339	mg/L	0.094810	3.64%
Manganese,7439-96-5†	1922.7	0.00710	mg/L	0.000036	0.00710	mg/L	0.000036	0.51%
Molybdenum,7439-98-7†	28.5	0.00432	mg/L	0.000488	0.00432	mg/L	0.000488	11.29%
Nickel,7440-02-0†	4.3	0.00001	mg/L	0.001084	0.00001	mg/L	0.001084	>999.9%
Potassium,7440-09-7†	1707.7	1.26974	mg/L	0.066456	1.26974	mg/L	0.066456	5.23%
Selenium,7782-49-2†	-4.1	-0.00796	mg/L	0.009222	-0.00796	mg/L	0.009222	115.80%
Silicon,7440-21-3†	163.9	2.63860	mg/L	0.084960	2.63860	mg/L	0.084960	3.22%
Silver,7440-22-4†	-363.7	-0.00303	mg/L	0.000501	-0.00303	mg/L	0.000501	16.52%
Sodium,7440-23-5†	5794.6	3.77788	mg/L	0.041146	3.77788	mg/L	0.041146	1.09%
Strontium,7440-24-6†	2317.5	0.02340	mg/L	0.000648	0.02340	mg/L	0.000648	2.77%
Thallium,7440-28-0†	-2.4	-0.00272	mg/L	0.009991	-0.00272	mg/L	0.009991	367.33%
Tin,7440-31-5†	-44.4	-0.02777	mg/L	0.003268	-0.02777	mg/L	0.003268	11.77%
Titanium,7440-32-6†	7701.9	0.02932	mg/L	0.000621	0.02932	mg/L	0.000621	2.12%
Vanadium,7440-62-2†	943.1	0.01423	mg/L	0.000923	0.01423	mg/L	0.000923	6.48%
Zinc,7440-66-6†	106.3	0.00298	mg/L	0.000389	0.00298	mg/L	0.000389	13.05%
Zirconium,7440-67-7†	-23.3	-0.00021	mg/L	0.000335	-0.00021	mg/L	0.000335	158.31%

Sequence No.: 30
Sample ID: 20712202108
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 32
Date Collected: 12/22/2007 4:42:08 PM
Data Type: Reprocessed on 12/24/2007 11:41:22 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20712202108

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Scandium-IS	2007686.6	103.427	%	0.4427				0.43%
Yttrium,7440-65-5A	1151375.2	102.512	%	0.3797				0.37%
Yttrium,7440-65-5R	65530.6	109.465	%	0.6823				0.62%
Ar 420.067 R	953908.0	102.073	%	0.3231				0.32%
Ar 363.268 A	41591.7	99.4856	%	0.61631				0.62%
Aluminum,7429-90-5†	14.1	0.07636	mg/L	0.014153	0.07636	mg/L	0.014153	18.53%
Antimony,7440-36-0†	5.7	0.00907	mg/L	0.007940	0.00907	mg/L	0.007940	87.58%
Arsenic,7440-38-2†	1.8	0.00415	mg/L	0.004407	0.00415	mg/L	0.004407	106.18%
Barium,7440-39-3†	150.6	0.00303	mg/L	0.000077	0.00303	mg/L	0.000077	2.56%
Beryllium,7440-41-7†	-276.5	-0.00018	mg/L	0.000056	-0.00018	mg/L	0.000056	30.44%

169892

Boron,7440-42-8†	852.3	0.07614	mg/L	0.000930	0.07614	mg/L	0.000930 1.22%
Cadmium,7440-43-9†	-0.8	-0.00002	mg/L	0.000161	-0.00002	mg/L	0.000161 739.20%
Calcium,7440-70-2†	41237.2	33.3735	mg/L	0.11978	33.3735	mg/L	0.11978 0.36%
Chromium,7440-47-3†	-51.9	-0.00117	mg/L	0.000206	-0.00117	mg/L	0.000206 17.53%
Cobalt,7440-48-4†	7.1	0.00050	mg/L	0.000436	0.00050	mg/L	0.000436 88.09%
Copper,7440-50-8†	95.9	0.00044	mg/L	0.000728	0.00044	mg/L	0.000728 163.72%
Iron,7439-89-6†	16.5	0.04265	mg/L	0.005512	0.04265	mg/L	0.005512 12.92%
Lead,7439-92-1†	-23.5	-0.00436	mg/L	0.002167	-0.00436	mg/L	0.002167 49.75%
Lithium,7439-93-2†	358.5	0.00620	mg/L	0.000892	0.00620	mg/L	0.000892 14.40%
Magnesium,7439-95-4†	1048.1	12.7345	mg/L	0.03938	12.7345	mg/L	0.03938 0.31%
Manganese,7439-96-5†	78.4	0.00023	mg/L	0.000133	0.00023	mg/L	0.000133 56.87%
Molybdenum,7439-98-7†	20.3	0.00297	mg/L	0.001016	0.00297	mg/L	0.001016 34.19%
Nickel,7440-02-0†	-23.0	-0.00120	mg/L	0.000668	-0.00120	mg/L	0.000668 55.88%
Potassium,7440-09-7†	4235.5	3.14786	mg/L	0.080671	3.14786	mg/L	0.080671 2.56%
Selenium,7782-49-2†	-5.9	-0.01217	mg/L	0.003448	-0.01217	mg/L	0.003448 28.32%
Silicon,7440-21-3†	538.9	8.67876	mg/L	0.057327	8.67876	mg/L	0.057327 0.66%
Silver,7440-22-4†	-117.5	-0.00154	mg/L	0.000468	-0.00154	mg/L	0.000468 30.44%
Sodium,7440-23-5†	34490.2	22.5053	mg/L	0.04297	22.5053	mg/L	0.04297 0.19%
Strontium,7440-24-6†	28324.5	0.29310	mg/L	0.000876	0.29310	mg/L	0.000876 0.30%
Thallium,7440-28-0†	0.7	0.00098	mg/L	0.009749	0.00098	mg/L	0.009749 991.48%
Tin,7440-31-5†	-57.8	-0.03615	mg/L	0.001520	-0.03615	mg/L	0.001520 4.20%
Titanium,7440-32-6†	-401.4	-0.00153	mg/L	0.001023	-0.00153	mg/L	0.001023 66.82%
Vanadium,7440-62-2†	-71.4	-0.00092	mg/L	0.000620	-0.00092	mg/L	0.000620 67.33%
Zinc,7440-66-6†	117.8	0.00357	mg/L	0.000142	0.00357	mg/L	0.000142 3.96%
Zirconium,7440-67-7†	-126.9	-0.00073	mg/L	0.000429	-0.00073	mg/L	0.000429 58.89%

Sequence No.: 31
Sample ID: 20712202109
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 33
Date Collected: 12/22/2007 4:49:16 PM
Data Type: Reprocessed on 12/24/2007 11:41:24 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20712202109

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2033999.6	104.782	%	0.1966				0.19%
Yttrium,7440-65-5A	1169844.4	104.156	%	0.4265				0.41%
Yttrium,7440-65-5R	66923.5	111.792	%	0.6615				0.59%
Ar 420.067 R	961073.4	102.840	%	0.2672				0.26%
Ar 363.268 A	41523.9	99.3235	%	0.54673				0.55%
Aluminum,7429-90-5†	41.9	0.22584	mg/L	0.010948	0.22584	mg/L	0.010948	4.85%
Antimony,7440-36-0†	3.9	0.00627	mg/L	0.005448	0.00627	mg/L	0.005448	86.87%
Arsenic,7440-38-2†	3.4	0.00748	mg/L	0.003146	0.00748	mg/L	0.003146	42.04%
Barium,7440-39-3†	429.6	0.00916	mg/L	0.000157	0.00916	mg/L	0.000157	1.71%
Beryllium,7440-41-7†	-199.2	-0.00013	mg/L	0.000031	-0.00013	mg/L	0.000031	23.31%
Boron,7440-42-8†	735.7	0.06582	mg/L	0.003815	0.06582	mg/L	0.003815	5.80%
Cadmium,7440-43-9†	28.9	0.00079	mg/L	0.000082	0.00079	mg/L	0.000082	10.35%
Calcium,7440-70-2†	40558.3	32.8248	mg/L	0.07606	32.8248	mg/L	0.07606	0.23%
Chromium,7440-47-3†	-16.8	-0.00042	mg/L	0.000906	-0.00042	mg/L	0.000906	213.68%
Cobalt,7440-48-4†	2.7	0.00017	mg/L	0.000855	0.00017	mg/L	0.000855	493.18%
Copper,7440-50-8†	100.0	0.00076	mg/L	0.000145	0.00076	mg/L	0.000145	19.08%
Iron,7439-89-6†	65.9	0.17376	mg/L	0.015899	0.17376	mg/L	0.015899	9.15%
Lead,7439-92-1†	-21.7	-0.00393	mg/L	0.002846	-0.00393	mg/L	0.002846	72.47%
Lithium,7439-93-2†	-121.9	-0.00211	mg/L	0.000960	-0.00211	mg/L	0.000960	45.42%
Magnesium,7439-95-4†	74.7	0.90730	mg/L	0.094413	0.90730	mg/L	0.094413	10.41%
Manganese,7439-96-5†	3398.5	0.01287	mg/L	0.000124	0.01287	mg/L	0.000124	0.96%
Molybdenum,7439-98-7†	8.1	0.00112	mg/L	0.001167	0.00112	mg/L	0.001167	104.32%
Nickel,7440-02-0†	-30.8	-0.00154	mg/L	0.000845	-0.00154	mg/L	0.000845	55.04%
Potassium,7440-09-7†	2170.3	1.61278	mg/L	0.019398	1.61278	mg/L	0.019398	1.20%
Selenium,7782-49-2†	-7.9	-0.01650	mg/L	0.012190	-0.01650	mg/L	0.012190	73.87%
Silicon,7440-21-3†	66.4	1.06931	mg/L	0.077936	1.06931	mg/L	0.077936	7.29%
Silver,7440-22-4†	-270.7	-0.00265	mg/L	0.000305	-0.00265	mg/L	0.000305	11.50%
Sodium,7440-23-5†	8342.2	5.43994	mg/L	0.024715	5.43994	mg/L	0.024715	0.45%
Strontium,7440-24-6†	3480.9	0.03523	mg/L	0.000654	0.03523	mg/L	0.000654	1.86%
Thallium,7440-28-0†	0.7	0.00124	mg/L	0.004676	0.00124	mg/L	0.004676	377.58%
Tin,7440-31-5†	-61.4	-0.03838	mg/L	0.002030	-0.03838	mg/L	0.002030	5.29%
Titanium,7440-32-6†	24.3	0.00009	mg/L	0.000642	0.00009	mg/L	0.000642	709.05%
Vanadium,7440-62-2†	170.7	0.00263	mg/L	0.001425	0.00263	mg/L	0.001425	54.16%

169893

Zinc,7440-66-6†	123.7	0.00414	mg/L	0.000319	0.00414	mg/L	0.000319 7.70%
Zirconium,7440-67-7†	-122.9	-0.00071	mg/L	0.000560	-0.00071	mg/L	0.000560 78.67%

Sequence No.: 32
Sample ID: 20712202110
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 34
Date Collected: 12/22/2007 4:56:30 PM
Data Type: Reprocessed on 12/24/2007 11:41:28 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20712202110

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	1949863.1	100.448	%	0.9565				0.95%
Yttrium,7440-65-5A	1148601.0	102.265	%	0.9490				0.93%
Yttrium,7440-65-5R	66608.6	111.266	%	0.5053				0.45%
Ar 420.067 R	954028.2	102.086	%	0.4093				0.40%
Ar 363.268 A	41171.0	98.4793	%	0.42429				0.43%
Aluminum,7429-90-5†	1832.0	9.88960	mg/L	0.099187	9.88960	mg/L	0.099187	1.00%
Antimony,7440-36-0†	7.0	0.01909	mg/L	0.009965	0.01909	mg/L	0.009965	52.19%
Arsenic,7440-38-2†	-6.0	-0.01227	mg/L	0.009315	-0.01227	mg/L	0.009315	75.91%
Barium,7440-39-3†	10058.0	0.21561	mg/L	0.004136	0.21561	mg/L	0.004136	1.92%
Beryllium,7440-41-7†	2750.4	0.00168	mg/L	0.000088	0.00168	mg/L	0.000088	5.23%
Boron,7440-42-8†	-35.2	0.01896	mg/L	0.003122	0.01896	mg/L	0.003122	16.47%
Cadmium,7440-43-9†	706.9	0.01741	mg/L	0.000130	0.01741	mg/L	0.000130	0.74%
Calcium,7440-70-2†	187537.7	151.771	mg/L	0.4465	151.771	mg/L	0.4465	0.29%
Chromium,7440-47-3†	3877.2	0.09857	mg/L	0.001966	0.09857	mg/L	0.001966	1.99%
Cobalt,7440-48-4†	79.7	0.00152	mg/L	0.000373	0.00152	mg/L	0.000373	24.58%
Copper,7440-50-8†	8543.0	0.06950	mg/L	0.001849	0.06950	mg/L	0.001849	2.66%
Iron,7439-89-6†	21785.4	57.5080	mg/L	0.18150	57.5080	mg/L	0.18150	0.32%
Lead,7439-92-1†	676.0	0.13463	mg/L	0.003399	0.13463	mg/L	0.003399	2.52%
Lithium,7439-93-2†	1587.7	0.02726	mg/L	0.000518	0.02726	mg/L	0.000518	1.90%
Magnesium,7439-95-4†	710.9	8.67026	mg/L	0.041350	8.67026	mg/L	0.041350	0.48%
Manganese,7439-96-5†	122325.8	0.46175	mg/L	0.008456	0.46175	mg/L	0.008456	1.83%
Molybdenum,7439-98-7†	25.0	0.00287	mg/L	0.002278	0.00287	mg/L	0.002278	79.25%
Nickel,7440-02-0†	280.4	0.01169	mg/L	0.001111	0.01169	mg/L	0.001111	9.50%
Potassium,7440-09-7†	30870.6	22.9425	mg/L	0.06978	22.9425	mg/L	0.06978	0.30%
Selenium,7782-49-2†	-9.9	-0.01102	mg/L	0.001816	-0.01102	mg/L	0.001816	16.48%
Silicon,7440-21-3†	1565.0	25.2039	mg/L	0.03198	25.2039	mg/L	0.03198	0.13%
Silver,7440-22-4†	-885.5	-0.00899	mg/L	0.000232	-0.00899	mg/L	0.000232	2.58%
Sodium,7440-23-5†	184589.5	120.453	mg/L	0.9767	120.453	mg/L	0.9767	0.81%
Strontium,7440-24-6†	97841.4	1.01114	mg/L	0.000830	1.01114	mg/L	0.000830	0.08%
Thallium,7440-28-0†	-10.0	-0.01112	mg/L	0.006221	-0.01112	mg/L	0.006221	55.93%
Tin,7440-31-5†	-152.2	-0.09437	mg/L	0.001042	-0.09437	mg/L	0.001042	1.10%
Titanium,7440-32-6†	39442.5	0.14978	mg/L	0.000461	0.14978	mg/L	0.000461	0.31%
Vanadium,7440-62-2†	1679.0	0.02143	mg/L	0.001724	0.02143	mg/L	0.001724	8.05%
Zinc,7440-66-6†	20233.9	0.69136	mg/L	0.012443	0.69136	mg/L	0.012443	1.80%
Zirconium,7440-67-7†	797.3	0.00350	mg/L	0.000794	0.00350	mg/L	0.000794	22.68%

Sequence No.: 33
Sample ID: 20712202111
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 35
Date Collected: 12/22/2007 5:03:44 PM
Data Type: Reprocessed on 12/24/2007 11:41:29 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20712202111

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2131263.1	109.793	%	8.2854				7.55%
Yttrium,7440-65-5A	1227658.2	109.304	%	8.0952				7.41%
Yttrium,7440-65-5R	63945.8	106.818	%	9.7375				9.12%
Ar 420.067 R	967426.6	103.520	%	0.5211				0.50%
Ar 363.268 A	41187.1	98.5179	%	0.74269				0.75%
Aluminum,7429-90-5†	28.0	0.15120	mg/L	0.120854	0.15120	mg/L	0.120854	79.93%
Antimony,7440-36-0†	-0.3	-0.00050	mg/L	0.004883	-0.00050	mg/L	0.004883	984.58%
Arsenic,7440-38-2†	1.9	0.00395	mg/L	0.002479	0.00395	mg/L	0.002479	62.79%

169894

Barium,7440-39-3†	413.8	0.00898	mg/L	0.000574	0.00898	mg/L	0.000574 6.39%
Beryllium,7440-41-7†	-345.8	-0.00023	mg/L	0.000045	-0.00023	mg/L	0.000045 19.74%
Boron,7440-42-8‡	1237.3	0.11008	mg/L	0.013794	0.11008	mg/L	0.013794 12.53%
Cadmium,7440-43-9†	96.7	0.00267	mg/L	0.000102	0.00267	mg/L	0.000102 3.81%
Calcium,7440-70-2†	13758.2	11.1346	mg/L	1.17224	11.1346	mg/L	1.17224 10.53%
Chromium,7440-47-3†	-37.4	-0.00090	mg/L	0.000901	-0.00090	mg/L	0.000901 100.14%
Cobalt,7440-48-4†	14.1	0.00096	mg/L	0.000228	0.00096	mg/L	0.000228 23.78%
Copper,7440-50-8†	-190.5	-0.00189	mg/L	0.003289	-0.00189	mg/L	0.003289 174.23%
Iron,7439-89-6†	156.9	0.41402	mg/L	0.017762	0.41402	mg/L	0.017762 4.29%
Lead,7439-92-1†	-17.8	-0.00340	mg/L	0.001001	-0.00340	mg/L	0.001001 29.44%
Lithium,7439-93-2†	13.3	0.00023	mg/L	0.001633	0.00023	mg/L	0.001633 725.31%
Magnesium,7439-95-4†	282.8	3.43585	mg/L	0.291625	3.43585	mg/L	0.291625 8.49%
Manganese,7439-96-5†	2327.9	0.00879	mg/L	0.000663	0.00879	mg/L	0.000663 7.54%
Molybdenum,7439-98-7†	2.3	0.00031	mg/L	0.001422	0.00031	mg/L	0.001422 462.35%
Nickel,7440-02-0†	-30.3	-0.00153	mg/L	0.000553	-0.00153	mg/L	0.000553 36.13%
Potassium,7440-09-7†	949.9	0.70605	mg/L	0.072549	0.70605	mg/L	0.072549 10.28%
Selenium,7782-49-2†	-5.0	-0.01049	mg/L	0.005544	-0.01049	mg/L	0.005544 52.85%
Silicon,7440-21-3†	126.2	2.03262	mg/L	0.287230	2.03262	mg/L	0.287230 14.13%
Silver,7440-22-4†	-746.0	-0.00565	mg/L	0.004343	-0.00565	mg/L	0.004343 76.81%
Sodium,7440-23-5†	5563.2	3.62917	mg/L	0.494869	3.62917	mg/L	0.494869 13.64%
Strontium,7440-24-6†	1690.5	0.01724	mg/L	0.002706	0.01724	mg/L	0.002706 15.70%
Thallium,7440-28-0†	5.3	0.00757	mg/L	0.004861	0.00757	mg/L	0.004861 64.18%
Tin,7440-31-5†	-20.0	-0.01252	mg/L	0.002497	-0.01252	mg/L	0.002497 19.95%
Titanium,7440-32-6†	-249.1	-0.00095	mg/L	0.001193	-0.00095	mg/L	0.001193 125.05%
Vanadium,7440-62-2†	-191.9	-0.00295	mg/L	0.006368	-0.00295	mg/L	0.006368 216.22%
Zinc,7440-66-6†	642.3	0.02202	mg/L	0.002368	0.02202	mg/L	0.002368 10.76%
Zirconium,7440-67-7†	-152.5	-0.00088	mg/L	0.000366	-0.00088	mg/L	0.000366 41.45%

Sequence No.: 34
Sample ID: 20712202112
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 36
Date Collected: 12/22/2007 5:10:54 PM
Data Type: Reprocessed on 12/24/2007 11:41:31 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20712202112

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2025185.1	104.328	%	0.5177				0.50%
Yttrium,7440-65-5A	1185465.7	105.547	%	0.5531				0.52%
Yttrium,7440-65-5R	68009.1	113.605	%	0.6170				0.54%
Ar 420.067 R	969813.4	103.775	%	0.3331				0.32%
Ar 363.268 A	41168.3	98.4730	%	0.33541				0.34%
Aluminum,7429-90-5†	33719.2	182.095	mg/L	0.2694	182.095	mg/L	0.2694	0.15%
Antimony,7440-36-0†	7.2	0.01496	mg/L	0.007502	0.01496	mg/L	0.007502	50.15%
Arsenic,7440-38-2†	5.6	0.04722	mg/L	0.001055	0.04722	mg/L	0.001055	2.23%
Barium,7440-39-3†	14646.8	0.32097	mg/L	0.001019	0.32097	mg/L	0.001019	0.32%
Beryllium,7440-41-7†	6331.7	0.00396	mg/L	0.000081	0.00396	mg/L	0.000081	2.05%
Boron,7440-42-8†	1768.0	0.15678	mg/L	0.002860	0.15678	mg/L	0.002860	1.82%
Cadmium,7440-43-9†	30.5	0.00126	mg/L	0.000214	0.00126	mg/L	0.000214	17.02%
Calcium,7440-70-2†	13937.3	11.2754	mg/L	0.00856	11.2754	mg/L	0.00856	0.08%
Chromium,7440-47-3†	3655.7	0.08654	mg/L	0.000336	0.08654	mg/L	0.000336	0.39%
Cobalt,7440-48-4†	57.2	0.00152	mg/L	0.000506	0.00152	mg/L	0.000506	33.24%
Copper,7440-50-8†	953.4	0.00702	mg/L	0.001027	0.00702	mg/L	0.001027	14.62%
Iron,7439-89-6†	3800.5	10.0257	mg/L	0.09202	10.0257	mg/L	0.09202	0.92%
Lead,7439-92-1†	49.5	0.05163	mg/L	0.001391	0.05163	mg/L	0.001391	2.69%
Lithium,7439-93-2†	478.7	0.00825	mg/L	0.001369	0.00825	mg/L	0.001369	16.59%
Magnesium,7439-95-4†	220.1	2.68429	mg/L	0.071197	2.68429	mg/L	0.071197	2.65%
Manganese,7439-96-5†	9498.0	0.03448	mg/L	0.000185	0.03448	mg/L	0.000185	0.54%
Molybdenum,7439-98-7†	-8.4	0.00169	mg/L	0.000884	0.00169	mg/L	0.000884	52.39%
Nickel,7440-02-0†	369.0	0.01676	mg/L	0.000388	0.01676	mg/L	0.000388	2.31%
Potassium,7440-09-7†	5108.0	3.80711	mg/L	0.081244	3.80711	mg/L	0.081244	2.13%
Selenium,7782-49-2†	14.2	0.02513	mg/L	0.003232	0.02513	mg/L	0.003232	12.86%
Silicon,7440-21-3†	3158.9	50.8623	mg/L	0.54855	50.8623	mg/L	0.54855	1.08%
Silver,7440-22-4†	-571.7	-0.00332	mg/L	0.000504	-0.00332	mg/L	0.000504	15.20%
Sodium,7440-23-5†	17595.1	11.4667	mg/L	0.01262	11.4667	mg/L	0.01262	0.11%
Strontium,7440-24-6†	5778.6	0.05959	mg/L	0.000495	0.05959	mg/L	0.000495	0.83%
Thallium,7440-28-0†	-12.0	-0.00539	mg/L	0.005968	-0.00539	mg/L	0.005968	110.73%
Tin,7440-31-5†	-24.2	-0.01439	mg/L	0.002872	-0.01439	mg/L	0.002872	19.96%

169895

Titanium,7440-32-6†	153177.2	0.58400 mg/L	0.002296	0.58400 mg/L	0.002296	0.39%
Vanadium,7440-62-2†	3829.6	0.05838 mg/L	0.001123	0.05838 mg/L	0.001123	1.92%
Zinc,7440-66-6†	6828.6	0.23467 mg/L	0.000667	0.23467 mg/L	0.000667	0.28%
Zirconium,7440-67-7†	1896.3	0.01070 mg/L	0.000588	0.01070 mg/L	0.000588	5.50%

Sequence No.: 35 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 12/22/2007 5:18:06 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:41:33 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	1981943.5	102.101	%	0.5987				0.59%
Yttrium,7440-65-5A	1135567.8	101.105	%	0.6187				0.61%
Yttrium,7440-65-5R	66382.9	110.889	%	0.6647				0.60%
Ar 420.067 R	965479.1	103.311	%	0.2925				0.28%
Ar 363.268 A	41455.1	99.1590	%	0.13252				0.13%
Aluminum,7429-90-5†	941.5	5.07559	mg/L	0.084005	5.07559	mg/L	0.084005	1.66%
QC value within limits for Aluminum,7429-90-5 Recovery = 101.51%								
Antimony,7440-36-0†	309.8	0.49728	mg/L	0.004417	0.49728	mg/L	0.004417	0.89%
QC value within limits for Antimony,7440-36-0 Recovery = 99.46%								
Arsenic,7440-38-2†	238.2	0.51890	mg/L	0.002813	0.51890	mg/L	0.002813	0.54%
QC value within limits for Arsenic,7440-38-2 Recovery = 103.78%								
Barium,7440-39-3†	23139.0	0.50766	mg/L	0.003933	0.50766	mg/L	0.003933	0.77%
QC value within limits for Barium,7440-39-3 Recovery = 101.53%								
Beryllium,7440-41-7†	771689.9	0.51356	mg/L	0.000142	0.51356	mg/L	0.000142	0.03%
QC value within limits for Beryllium,7440-41-7 Recovery = 102.71%								
Boron,7440-42-8†	28715.7	2.55197	mg/L	0.014178	2.55197	mg/L	0.014178	0.56%
QC value within limits for Boron,7440-42-8 Recovery = 102.08%								
Cadmium,7440-43-9†	18633.9	0.51573	mg/L	0.005452	0.51573	mg/L	0.005452	1.06%
QC value within limits for Cadmium,7440-43-9 Recovery = 103.15%								
Calcium,7440-70-2†	6403.5	5.18046	mg/L	0.036163	5.18046	mg/L	0.036163	0.70%
QC value within limits for Calcium,7440-70-2 Recovery = 103.61%								
Chromium,7440-47-3†	20329.1	0.50983	mg/L	0.003411	0.50983	mg/L	0.003411	0.67%
QC value within limits for Chromium,7440-47-3 Recovery = 101.97%								
Cobalt,7440-48-4†	7165.4	0.49801	mg/L	0.001916	0.49801	mg/L	0.001916	0.38%
QC value within limits for Cobalt,7440-48-4 Recovery = 99.60%								
Copper,7440-50-8†	56474.6	0.50669	mg/L	0.003861	0.50669	mg/L	0.003861	0.76%
QC value within limits for Copper,7440-50-8 Recovery = 101.34%								
Iron,7439-89-6†	2047.0	5.40128	mg/L	0.033272	5.40128	mg/L	0.033272	0.62%
QC value within limits for Iron,7439-89-6 Recovery = 108.03%								
Lead,7439-92-1†	2563.6	0.50555	mg/L	0.005372	0.50555	mg/L	0.005372	1.06%
QC value within limits for Lead,7439-92-1 Recovery = 101.11%								
Lithium,7439-93-2†	36627.8	0.63449	mg/L	0.000530	0.63449	mg/L	0.000530	0.08%
QC value greater than the upper limit for Lithium,7439-93-2 Recovery = 126.90%								
Magnesium,7439-95-4†	446.8	5.43294	mg/L	0.016287	5.43294	mg/L	0.016287	0.30%
QC value within limits for Magnesium,7439-95-4 Recovery = 108.66%								
Manganese,7439-96-5†	134563.1	0.50928	mg/L	0.004520	0.50928	mg/L	0.004520	0.89%
QC value within limits for Manganese,7439-96-5 Recovery = 101.86%								
Molybdenum,7439-98-7†	3284.4	0.49836	mg/L	0.003367	0.49836	mg/L	0.003367	0.68%
QC value within limits for Molybdenum,7439-98-7 Recovery = 99.67%								
Nickel,7440-02-0†	10407.2	0.51253	mg/L	0.004814	0.51253	mg/L	0.004814	0.94%
QC value within limits for Nickel,7440-02-0 Recovery = 102.51%								
Potassium,7440-09-7†	14142.3	10.5066	mg/L	0.05565	10.5066	mg/L	0.05565	0.53%
QC value within limits for Potassium,7440-09-7 Recovery = 105.07%								
Selenium,7782-49-2†	235.2	0.49521	mg/L	0.016655	0.49521	mg/L	0.016655	3.36%
QC value within limits for Selenium,7782-49-2 Recovery = 99.04%								
Silicon,7440-21-3†	331.3	5.31957	mg/L	0.050746	5.31957	mg/L	0.050746	0.95%
QC value within limits for Silicon,7440-21-3 Recovery = 106.39%								
Silver,7440-22-4†	69787.0	0.50873	mg/L	0.004129	0.50873	mg/L	0.004129	0.81%
QC value within limits for Silver,7440-22-4 Recovery = 101.75%								
Sodium,7440-23-5†	30000.7	19.5870	mg/L	0.05398	19.5870	mg/L	0.05398	0.28%
QC value within limits for Sodium,7440-23-5 Recovery = 97.93%								
Strontium,7440-24-6†	44749.5	0.46401	mg/L	0.000748	0.46401	mg/L	0.000748	0.16%
QC value within limits for Strontium,7440-24-6 Recovery = 92.80%								
Thallium,7440-28-0†	339.8	0.50355	mg/L	0.003730	0.50355	mg/L	0.003730	0.74%

169896

QC value within limits for Thallium,7440-28-0 Recovery = 100.71%
Tin,7440-31-5† 796.7 0.50510 mg/L 0.002728 0.50510 mg/L 0.002728 0.54%
QC value within limits for Tin,7440-31-5 Recovery = 101.02%
Titanium,7440-32-6† 133176.5 0.50772 mg/L 0.000419 0.50772 mg/L 0.000419 0.08%
QC value within limits for Titanium,7440-32-6 Recovery = 101.54%
Vanadium,7440-62-2† 32974.8 0.50831 mg/L 0.004055 0.50831 mg/L 0.004055 0.80%
QC value within limits for Vanadium,7440-62-2 Recovery = 101.66%
Zinc,7440-66-6† 14885.4 0.50956 mg/L 0.005115 0.50956 mg/L 0.005115 1.00%
QC value within limits for Zinc,7440-66-6 Recovery = 101.91%
Zirconium,7440-67-7† 87886.4 0.50400 mg/L 0.004020 0.50400 mg/L 0.004020 0.80%
QC value within limits for Zirconium,7440-67-7 Recovery = 100.80%
QC Failed. Continue with analysis.

Sequence No.: 36 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 12/22/2007 5:25:21 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:41:35 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1900

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	1979620.5	101.981	%	0.5027				0.49%
Yttrium,7440-65-5A	1144762.1	101.923	%	0.4883				0.48%
Yttrium,7440-65-5R	66132.0	110.470	%	0.7598				0.69%
Ar 420.067 R	962709.5	103.015	%	0.4481				0.44%
Ar 363.268 A	41422.5	99.0810	%	0.33413				0.34%
Aluminum,7429-90-5†	3.3	0.01775	mg/L	0.021630	0.01775	mg/L	0.021630	121.83%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	4.3	0.00691	mg/L	0.009813	0.00691	mg/L	0.009813	142.02%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-0.5	-0.00114	mg/L	0.008351	-0.00114	mg/L	0.008351	733.40%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	-17.0	-0.00037	mg/L	0.000111	-0.00037	mg/L	0.000111	29.79%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-100.9	-0.00007	mg/L	0.000038	-0.00007	mg/L	0.000038	57.56%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	331.6	0.02942	mg/L	0.000818	0.02942	mg/L	0.000818	2.78%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	4.8	0.00013	mg/L	0.000098	0.00013	mg/L	0.000098	72.83%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-8.1	-0.00656	mg/L	0.004377	-0.00656	mg/L	0.004377	66.68%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-33.2	-0.00083	mg/L	0.000121	-0.00083	mg/L	0.000121	14.48%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	9.7	0.00068	mg/L	0.000402	0.00068	mg/L	0.000402	59.06%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	5.0	0.00005	mg/L	0.000575	0.00005	mg/L	0.000575	>999.9%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	-3.6	-0.00952	mg/L	0.009716	-0.00952	mg/L	0.009716	102.06%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	3.4	0.00068	mg/L	0.000513	0.00068	mg/L	0.000513	75.63%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-21.4	-0.00037	mg/L	0.001976	-0.00037	mg/L	0.001976	531.88%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	3.8	0.04612	mg/L	0.049636	0.04612	mg/L	0.049636	107.61%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	16.1	0.00006	mg/L	0.000072	0.00006	mg/L	0.000072	116.42%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	4.0	0.00061	mg/L	0.001717	0.00061	mg/L	0.001717	283.25%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	3.0	0.00015	mg/L	0.000586	0.00015	mg/L	0.000586	390.66%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	199.3	0.14810	mg/L	0.072682	0.14810	mg/L	0.072682	49.08%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-2.0	-0.00414	mg/L	0.005941	-0.00414	mg/L	0.005941	143.58%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	-8.3	-0.13371	mg/L	0.009181	-0.13371	mg/L	0.009181	6.87%

169897

QC value less than the lower limit for Silicon,7440-21-3 Recovery = Not calculated

Silver,7440-22-4†	-273.5	-0.00199 mg/L	0.000523	-0.00199 mg/L	0.000523	26.23%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated						
Sodium,7440-23-5†	-144.7	-0.09447 mg/L	0.014940	-0.09447 mg/L	0.014940	15.81%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated						
Strontium,7440-24-6†	-32.4	-0.00034 mg/L	0.000188	-0.00034 mg/L	0.000188	56.00%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated						
Thallium,7440-28-0†	4.2	0.00608 mg/L	0.005374	0.00608 mg/L	0.005374	88.46%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated						
Tin,7440-31-5†	0.4	0.00022 mg/L	0.000679	0.00022 mg/L	0.000679	313.12%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6†	-580.6	-0.00221 mg/L	0.001262	-0.00221 mg/L	0.001262	57.02%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2†	-9.0	-0.00014 mg/L	0.000723	-0.00014 mg/L	0.000723	527.48%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6†	-26.5	-0.00092 mg/L	0.000158	-0.00092 mg/L	0.000158	17.21%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7†	-96.3	-0.00055 mg/L	0.000109	-0.00055 mg/L	0.000109	19.79%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

QC Failed. Continue with analysis.

Sequence No.: 37 **Autosampler Location: 37**
Sample ID: 20712202113 **Date Collected: 12/22/2007 6:00:13 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:41:36 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 20712202113

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2048601.6	105.535	%	0.4230				0.40%
Yttrium,7440-65-5A	1177502.4	104.838	%	0.4510				0.43%
Yttrium,7440-65-5R	68200.4	113.925	%	0.4542				0.40%
Ar 420.067 R	988437.4	105.768	%	0.2043				0.19%
Ar 363.268 A	41734.0	99.8259	%	0.52299				0.52%
Aluminum,7429-90-5†	709.5	3.82833	mg/L	0.095315	3.82833	mg/L	0.095315	2.49%
Antimony,7440-36-0†	9.0	0.02213	mg/L	0.002023	0.02213	mg/L	0.002023	9.14%
Arsenic,7440-38-2†	-5.7	-0.01455	mg/L	0.003538	-0.01455	mg/L	0.003538	24.32%
Barium,7440-39-3†	9932.5	0.21287	mg/L	0.001366	0.21287	mg/L	0.001366	0.64%
Beryllium,7440-41-7†	418.3	0.00000	mg/L	0.000026	0.00000	mg/L	0.000026	537.36%
Boron,7440-42-8†	65.3	0.02814	mg/L	0.001785	0.02814	mg/L	0.001785	6.34%
Cadmium,7440-43-9†	202.1	0.00283	mg/L	0.000261	0.00283	mg/L	0.000261	9.22%
Calcium,7440-70-2†	111521.1	90.2496	mg/L	0.51551	90.2496	mg/L	0.51551	0.57%
Chromium,7440-47-3†	21905.0	0.55204	mg/L	0.003180	0.55204	mg/L	0.003180	0.58%
Cobalt,7440-48-4†	51.6	-0.00052	mg/L	0.000795	-0.00052	mg/L	0.000795	153.43%
Copper,7440-50-8†	5520.3	0.04247	mg/L	0.001585	0.04247	mg/L	0.001585	3.73%
Iron,7439-89-6†	24063.1	63.5215	mg/L	0.32814	63.5215	mg/L	0.32814	0.52%
Lead,7439-92-1†	483.5	0.09494	mg/L	0.000761	0.09494	mg/L	0.000761	0.80%
Lithium,7439-93-2†	61.6	0.00080	mg/L	0.001712	0.00080	mg/L	0.001712	213.44%
Magnesium,7439-95-4†	495.7	6.06000	mg/L	0.082503	6.06000	mg/L	0.082503	1.36%
Manganese,7439-96-5†	25154.4	0.09331	mg/L	0.000537	0.09331	mg/L	0.000537	0.58%
Molybdenum,7439-98-7†	22.5	0.00258	mg/L	0.000980	0.00258	mg/L	0.000980	38.05%
Nickel,7440-02-0†	-34.2	-0.00377	mg/L	0.000506	-0.00377	mg/L	0.000506	13.43%
Potassium,7440-09-7†	3984.3	2.96462	mg/L	0.034119	2.96462	mg/L	0.034119	1.15%
Selenium,7782-49-2†	-3.3	0.00403	mg/L	0.010732	0.00403	mg/L	0.010732	266.22%
Silicon,7440-21-3†	321.1	5.17440	mg/L	0.034947	5.17440	mg/L	0.034947	0.68%
Silver,7440-22-4†	-707.0	-0.00662	mg/L	0.000895	-0.00662	mg/L	0.000895	13.53%
Sodium,7440-23-5†	7614.8	4.95314	mg/L	0.032560	4.95314	mg/L	0.032560	0.66%
Strontium,7440-24-6†	15846.4	0.16165	mg/L	0.001193	0.16165	mg/L	0.001193	0.74%
Thallium,7440-28-0†	-7.9	-0.00959	mg/L	0.008841	-0.00959	mg/L	0.008841	92.17%
Tin,7440-31-5†	-118.8	-0.07458	mg/L	0.003940	-0.07458	mg/L	0.003940	5.28%
Titanium,7440-32-6†	4159.2	0.01516	mg/L	0.001853	0.01516	mg/L	0.001853	12.23%
Vanadium,7440-62-2†	2842.1	0.03880	mg/L	0.001312	0.03880	mg/L	0.001312	3.38%
Zinc,7440-66-6†	2545.8	0.07966	mg/L	0.000923	0.07966	mg/L	0.000923	1.16%
Zirconium,7440-67-7†	198.1	0.00001	mg/L	0.000456	0.00001	mg/L	0.000456	>999.9%

Sequence No.: 38 **Autosampler Location: 38**

169898

Sample ID: 173-7-7
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 2X

Date Collected: 12/22/2007 6:25:54 PM
Data Type: Reprocessed on 12/24/2007 11:41:41 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 173-7-7

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2017617.4	103.938	%	1.3335				1.28%
Yttrium,7440-65-5A	1163629.6	103.603	%	1.1814				1.14%
Yttrium,7440-65-5R	67989.1	113.572	%	3.9998				3.52%
Ar 420.067 R	986954.3	105.609	%	0.3930				0.37%
Ar 363.268 A	41719.5	99.7912	%	0.64339				0.64%
Aluminum,7429-90-5†	9.6	0.05191	mg/L	0.076232	4.12011	mg/kg	6.050140	146.84%
Antimony,7440-36-0†	8.7	0.01384	mg/L	0.005401	1.09853	mg/kg	0.428629	39.02%
Arsenic,7440-38-2†	-1.8	-0.00380	mg/L	0.000769	-0.30168	mg/kg	0.061023	20.23%
Barium,7440-39-3†	-14.7	-0.00033	mg/L	0.000187	-0.02596	mg/kg	0.014818	57.08%
Beryllium,7440-41-7†	2575.2	0.00172	mg/L	0.000089	0.13617	mg/kg	0.007090	5.21%
Boron,7440-42-8†	-0.0	0.00001	mg/L	0.002665	0.00116	mg/kg	0.211529	>999.9%
Cadmium,7440-43-9†	66.2	0.00184	mg/L	0.000199	0.14566	mg/kg	0.015814	10.86%
Calcium,7440-70-2†	2.9	0.00234	mg/L	0.002933	0.18553	mg/kg	0.232765	125.46%
Chromium,7440-47-3†	-25.4	-0.00064	mg/L	0.000624	-0.05088	mg/kg	0.049546	97.38%
Cobalt,7440-48-4†	-0.8	-0.00006	mg/L	0.000714	-0.00462	mg/kg	0.056656	>999.9%
Copper,7440-50-8†	596.9	0.00537	mg/L	0.000973	0.42657	mg/kg	0.077193	18.10%
Iron,7439-89-6†	12.6	0.03322	mg/L	0.006669	2.63661	mg/kg	0.529309	20.08%
Lead,7439-92-1†	4.2	0.00083	mg/L	0.001326	0.06601	mg/kg	0.105268	159.48%
Lithium,7439-93-2†	6.5	0.00011	mg/L	0.000341	0.00890	mg/kg	0.027055	304.00%
Magnesium,7439-95-4†	-3.5	-0.04230	mg/L	0.031645	-3.35707	mg/kg	2.511469	74.81%
Manganese,7439-96-5†	-36.6	-0.00014	mg/L	0.000109	-0.01113	mg/kg	0.008627	77.53%
Molybdenum,7439-98-7†	-9.8	-0.00149	mg/L	0.000322	-0.11838	mg/kg	0.025533	21.57%
Nickel,7440-02-0†	20.8	0.00103	mg/L	0.000838	0.08145	mg/kg	0.066498	81.64%
Potassium,7440-09-7†	144.4	0.10731	mg/L	0.066480	8.51649	mg/kg	5.276175	61.95%
Selenium,7782-49-2†	4.1	0.00857	mg/L	0.003194	0.68023	mg/kg	0.253504	37.27%
Silicon,7440-21-3†	-4.9	-0.07854	mg/L	0.020619	-6.23369	mg/kg	1.636424	26.25%
Silver,7440-22-4†	-62.8	-0.00046	mg/L	0.000843	-0.03616	mg/kg	0.066925	185.07%
Sodium,7440-23-5†	-225.7	-0.14731	mg/L	0.007351	-11.6915	mg/kg	0.58344	4.99%
Strontium,7440-24-6†	-77.9	-0.00081	mg/L	0.000404	-0.06430	mg/kg	0.032056	49.85%
Thallium,7440-28-0†	-2.0	-0.00291	mg/L	0.001553	-0.23117	mg/kg	0.123292	53.33%
Tin,7440-31-5†	1.8	0.00114	mg/L	0.000064	0.09010	mg/kg	0.005062	5.62%
Titanium,7440-32-6†	72.6	0.00028	mg/L	0.000186	0.02192	mg/kg	0.014789	67.45%
Vanadium,7440-62-2†	71.9	0.00111	mg/L	0.000614	0.08776	mg/kg	0.048769	55.57%
Zinc,7440-66-6†	-14.8	-0.00052	mg/L	0.000176	-0.04152	mg/kg	0.013996	33.71%
Zirconium,7440-67-7†	-10.7	-0.00006	mg/L	0.000112	-0.00498	mg/kg	0.008871	178.31%

Sequence No.: 39
Sample ID: 20712200916 Zn
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 2X

Autosampler Location: 39
Date Collected: 12/22/2007 6:47:47 PM
Data Type: Reprocessed on 12/24/2007 11:41:42 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20712200916 Zn

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2032449.2	104.703	%	0.4467				0.43%
Yttrium,7440-65-5A	1205851.7	107.362	%	0.4071				0.38%
Yttrium,7440-65-5R	70515.1	117.791	%	1.6860				1.43%
Ar 420.067 R	983122.5	105.199	%	0.1839				0.17%
Ar 363.268 A	41871.7	100.155	%	0.6103				0.61%
Aluminum,7429-90-5†	10582.9	57.1411	mg/L	0.12690	4535.01	mg/kg	10.071	0.22%
Antimony,7440-36-0†	7.7	0.02965	mg/L	0.002273	2.35299	mg/kg	0.180431	7.67%
Arsenic,7440-38-2†	2.7	0.01598	mg/L	0.010028	1.26800	mg/kg	0.795873	62.77%
Barium,7440-39-3†	45251.8	0.98600	mg/L	0.004873	78.2540	mg/kg	0.38678	0.49%
Beryllium,7440-41-7†	6026.8	0.00343	mg/L	0.000063	0.27208	mg/kg	0.004983	1.83%
Boron,7440-42-8†	-488.2	0.00011	mg/L	0.001480	0.00863	mg/kg	0.117468	>999.9%
Cadmium,7440-43-9†	595.4	0.01196	mg/L	0.000264	0.94894	mg/kg	0.020987	2.21%
Calcium,7440-70-2†	30495.8	24.6614	mg/L	0.02546	1957.25	mg/kg	2.021	0.10%

169899

Chromium,7440-47-3†	4096.0	0.10269 mg/L	0.000775	8.15031 mg/kg	0.061532	0.75%
Cobalt,7440-48-4†	1093.4	0.06733 mg/L	0.001272	5.34374 mg/kg	0.100974	1.89%
Copper,7440-50-8†	9729.9	0.07060 mg/L	0.000287	5.60336 mg/kg	0.022778	0.41%
Iron,7439-89-6†	43256.9	114.185 mg/L	0.1676	9062.30 mg/kg	13.301	0.15%
Lead,7439-92-1†	814.7	0.16903 mg/L	0.003361	13.4147 mg/kg	0.26676	1.99%
Lithium,7439-93-2†	4657.8	0.08013 mg/L	0.001962	6.35988 mg/kg	0.155712	2.45%
Magnesium,7439-95-4†	1974.5	24.0558 mg/L	0.52286	1909.19 mg/kg	41.497	2.17%
Manganese,7439-96-5†	724486.7	2.74179 mg/L	0.005700	217.603 mg/kg	0.4524	0.21%
Molybdenum,7439-98-7†	-7.6	-0.00174 mg/L	0.001406	-0.13830 mg/kg	0.111568	80.67%
Nickel,7440-02-0†	2750.8	0.13020 mg/L	0.000695	10.3337 mg/kg	0.05518	0.53%
Potassium,7440-09-7†	10234.8	7.61266 mg/L	0.048906	604.179 mg/kg	3.8815	0.64%
Selenium,7782-49-2†	-10.3	-0.00580 mg/L	0.006360	-0.46033 mg/kg	0.504723	109.64%
Silicon,7440-21-3†	648.0	10.4268 mg/L	0.23234	827.522 mg/kg	18.4397	2.23%
Silver,7440-22-4†	-1611.0	-0.01052 mg/L	0.000360	-0.83531 mg/kg	0.028609	3.42%
Sodium,7440-23-5†	661.1	0.43776 mg/L	0.014131	34.7426 mg/kg	1.12153	3.23%
Strontium,7440-24-6†	12448.1	0.12777 mg/L	0.000631	10.1403 mg/kg	0.05010	0.49%
Thallium,7440-28-0†	-16.3	-0.01543 mg/L	0.005250	-1.22466 mg/kg	0.416689	34.02%
Tin,7440-31-5†	-33.3	-0.02027 mg/L	0.000934	-1.60877 mg/kg	0.074089	4.61%
Titanium,7440-32-6†	132529.6	0.50412 mg/L	0.001755	40.0094 mg/kg	0.13930	0.35%
Vanadium,7440-62-2†	9644.7	0.13991 mg/L	0.000306	11.1041 mg/kg	0.02430	0.22%
Zinc,7440-66-6†	267499.0	9.22862 mg/L	0.064943	732.430 mg/kg	5.1542	0.70%
Zirconium,7440-67-7†	5672.7	0.02990 mg/L	0.000046	2.37340 mg/kg	0.003681	0.16%

Sequence No.: 40
Sample ID: ---
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 40
Date Collected: 12/22/2007 6:55:01 PM
Data Type: Reprocessed on 12/24/2007 11:41:44 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3230611.4	166.426	%	3.2234				1.94%
Yttrium,7440-65-5A	1837011.7	163.557	%	3.1020				1.90%
Yttrium,7440-65-5R	105462.9	176.170	%	3.2808				1.86%
Ar 420.067 R	851995.5	91.1678	%	0.31760				0.35%
Ar 363.268 A	36086.4	86.3172	%	0.47699				0.55%
Aluminum,7429-90-5†	117.3	0.63401	mg/L	0.014657	0.63401	mg/L	0.014657	2.31%
Antimony,7440-36-0†	-10.6	-0.01723	mg/L	0.000725	-0.01723	mg/L	0.000725	4.21%
Arsenic,7440-38-2†	-3.1	-0.00783	mg/L	0.008126	-0.00783	mg/L	0.008126	103.84%
Barium,7440-39-3†	-27.5	-0.00057	mg/L	0.000153	-0.00057	mg/L	0.000153	26.86%
Beryllium,7440-41-7†	-760.2	-0.00049	mg/L	0.000008	-0.00049	mg/L	0.000008	1.64%
Boron,7440-42-8†	1894.9	0.16808	mg/L	0.002987	0.16808	mg/L	0.002987	1.78%
Cadmium,7440-43-9†	41.1	0.00116	mg/L	0.000089	0.00116	mg/L	0.000089	7.66%
Calcium,7440-70-2†	-221.2	-0.17900	mg/L	0.003675	-0.17900	mg/L	0.003675	2.05%
Chromium,7440-47-3†	-193.5	-0.00485	mg/L	0.000119	-0.00485	mg/L	0.000119	2.46%
Cobalt,7440-48-4†	45.6	0.00322	mg/L	0.000399	0.00322	mg/L	0.000399	12.41%
Copper,7440-50-8†	-3069.1	-0.02765	mg/L	0.000644	-0.02765	mg/L	0.000644	2.33%
Iron,7439-89-6†	56.2	0.14838	mg/L	0.006064	0.14838	mg/L	0.006064	4.09%
Lead,7439-92-1†	-74.5	-0.01452	mg/L	0.000551	-0.01452	mg/L	0.000551	3.79%
Lithium,7439-93-2†	-406.3	-0.00704	mg/L	0.000572	-0.00704	mg/L	0.000572	8.12%
Magnesium,7439-95-4†	25.8	0.31403	mg/L	0.008752	0.31403	mg/L	0.008752	2.79%
Manganese,7439-96-5†	356.6	0.00133	mg/L	0.000011	0.00133	mg/L	0.000011	0.82%
Molybdenum,7439-98-7†	69.4	0.01056	mg/L	0.000688	0.01056	mg/L	0.000688	6.51%
Nickel,7440-02-0†	-17.9	-0.00088	mg/L	0.000415	-0.00088	mg/L	0.000415	47.41%
Potassium,7440-09-7†	566.4	0.42100	mg/L	0.043229	0.42100	mg/L	0.043229	10.27%
Selenium,7782-49-2†	-31.0	-0.06522	mg/L	0.001239	-0.06522	mg/L	0.001239	1.90%
Silicon,7440-21-3†	-26.4	-0.42524	mg/L	0.009174	-0.42524	mg/L	0.009174	2.16%
Silver,7440-22-4†	-6006.6	-0.04373	mg/L	0.000350	-0.04373	mg/L	0.000350	0.80%
Sodium,7440-23-5†	-846.9	-0.55297	mg/L	0.015755	-0.55297	mg/L	0.015755	2.85%
Strontium,7440-24-6†	-141.2	-0.00143	mg/L	0.000238	-0.00143	mg/L	0.000238	16.62%
Thallium,7440-28-0†	21.6	0.03047	mg/L	0.002968	0.03047	mg/L	0.002968	9.74%
Tin,7440-31-5†	-2.6	-0.00167	mg/L	0.000875	-0.00167	mg/L	0.000875	52.48%
Titanium,7440-32-6†	-2803.5	-0.01069	mg/L	0.000920	-0.01069	mg/L	0.000920	8.61%
Vanadium,7440-62-2†	-3099.8	-0.04783	mg/L	0.000807	-0.04783	mg/L	0.000807	1.69%
Zinc,7440-66-6†	-149.3	-0.00518	mg/L	0.000127	-0.00518	mg/L	0.000127	2.45%
Zirconium,7440-67-7†	-701.1	-0.00401	mg/L	0.000345	-0.00401	mg/L	0.000345	8.60%

Sequence No.: 41
Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/22/2007 7:02:09 PM
Data Type: Reprocessed on 12/24/2007 11:41:45 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2021122.2	104.119	%	1.2384				1.19%
Yttrium,7440-65-5A	1156581.5	102.975	%	1.1788				1.14%
Yttrium,7440-65-5R	66021.8	110.286	%	0.6296				0.57%
Ar 420.067 R	979294.0	104.789	%	0.3183				0.30%
Ar 363.268 A	42142.5	100.803	%	0.2395				0.24%
Aluminum,7429-90-5†	966.8	5.21211	mg/L	0.057105	5.21211	mg/L	0.057105	1.10%
QC value within limits for Aluminum,7429-90-5 Recovery = 104.24%								
Antimony,7440-36-0†	317.3	0.50917	mg/L	0.011837	0.50917	mg/L	0.011837	2.32%
QC value within limits for Antimony,7440-36-0 Recovery = 101.83%								
Arsenic,7440-38-2†	235.9	0.51373	mg/L	0.008757	0.51373	mg/L	0.008757	1.70%
QC value within limits for Arsenic,7440-38-2 Recovery = 102.75%								
Barium,7440-39-3†	23032.0	0.50532	mg/L	0.007818	0.50532	mg/L	0.007818	1.55%
QC value within limits for Barium,7440-39-3 Recovery = 101.06%								
Beryllium,7440-41-7†	771614.8	0.51351	mg/L	0.000298	0.51351	mg/L	0.000298	0.06%
QC value within limits for Beryllium,7440-41-7 Recovery = 102.70%								
Boron,7440-42-8†	28346.0	2.51918	mg/L	0.022150	2.51918	mg/L	0.022150	0.88%
QC value within limits for Boron,7440-42-8 Recovery = 100.77%								
Cadmium,7440-43-9†	18232.1	0.50459	mg/L	0.008922	0.50459	mg/L	0.008922	1.77%
QC value within limits for Cadmium,7440-43-9 Recovery = 100.92%								
Calcium,7440-70-2†	6623.3	5.35828	mg/L	0.013264	5.35828	mg/L	0.013264	0.25%
QC value within limits for Calcium,7440-70-2 Recovery = 107.17%								
Chromium,7440-47-3†	20268.7	0.50831	mg/L	0.006728	0.50831	mg/L	0.006728	1.32%
QC value within limits for Chromium,7440-47-3 Recovery = 101.66%								
Cobalt,7440-48-4†	7364.6	0.51191	mg/L	0.007962	0.51191	mg/L	0.007962	1.56%
QC value within limits for Cobalt,7440-48-4 Recovery = 102.38%								
Copper,7440-50-8†	55561.9	0.49846	mg/L	0.007627	0.49846	mg/L	0.007627	1.53%
QC value within limits for Copper,7440-50-8 Recovery = 99.69%								
Iron,7439-89-6†	2060.4	5.43656	mg/L	0.044455	5.43656	mg/L	0.044455	0.82%
QC value within limits for Iron,7439-89-6 Recovery = 108.73%								
Lead,7439-92-1†	2598.3	0.51240	mg/L	0.007971	0.51240	mg/L	0.007971	1.56%
QC value within limits for Lead,7439-92-1 Recovery = 102.48%								
Lithium,7439-93-2†	36355.9	0.62978	mg/L	0.002008	0.62978	mg/L	0.002008	0.32%
QC value greater than the upper limit for Lithium,7439-93-2 Recovery = 125.96%								
Magnesium,7439-95-4†	449.2	5.46261	mg/L	0.085536	5.46261	mg/L	0.085536	1.57%
QC value within limits for Magnesium,7439-95-4 Recovery = 109.25%								
Manganese,7439-96-5†	135613.0	0.51325	mg/L	0.000614	0.51325	mg/L	0.000614	0.12%
QC value within limits for Manganese,7439-96-5 Recovery = 102.65%								
Molybdenum,7439-98-7†	3262.5	0.49504	mg/L	0.006356	0.49504	mg/L	0.006356	1.28%
QC value within limits for Molybdenum,7439-98-7 Recovery = 99.01%								
Nickel,7440-02-0†	10396.6	0.51200	mg/L	0.007384	0.51200	mg/L	0.007384	1.44%
QC value within limits for Nickel,7440-02-0 Recovery = 102.40%								
Potassium,7440-09-7†	14349.4	10.6605	mg/L	0.07034	10.6605	mg/L	0.07034	0.66%
QC value within limits for Potassium,7440-09-7 Recovery = 106.61%								
Selenium,7782-49-2†	235.5	0.49571	mg/L	0.019519	0.49571	mg/L	0.019519	3.94%
QC value within limits for Selenium,7782-49-2 Recovery = 99.14%								
Silicon,7440-21-3†	335.6	5.38861	mg/L	0.062915	5.38861	mg/L	0.062915	1.17%
QC value within limits for Silicon,7440-21-3 Recovery = 107.77%								
Silver,7440-22-4†	69823.1	0.50899	mg/L	0.006628	0.50899	mg/L	0.006628	1.30%
QC value within limits for Silver,7440-22-4 Recovery = 101.80%								
Sodium,7440-23-5†	29921.1	19.5349	mg/L	0.06252	19.5349	mg/L	0.06252	0.32%
QC value within limits for Sodium,7440-23-5 Recovery = 97.67%								
Strontium,7440-24-6†	45513.1	0.47193	mg/L	0.001237	0.47193	mg/L	0.001237	0.26%
QC value within limits for Strontium,7440-24-6 Recovery = 94.39%								
Thallium,7440-28-0†	345.4	0.51144	mg/L	0.008400	0.51144	mg/L	0.008400	1.64%
QC value within limits for Thallium,7440-28-0 Recovery = 102.29%								
Tin,7440-31-5†	792.4	0.50236	mg/L	0.011654	0.50236	mg/L	0.011654	2.32%
QC value within limits for Tin,7440-31-5 Recovery = 100.47%								
Titanium,7440-32-6†	133238.8	0.50796	mg/L	0.000913	0.50796	mg/L	0.000913	0.18%
QC value within limits for Titanium,7440-32-6 Recovery = 101.59%								

Vanadium,7440-62-2† 32420.6 0.49976 mg/L 0.008048 0.49976 mg/L 0.008048 1.61%
QC value within limits for Vanadium,7440-62-2 Recovery = 99.95%
Zinc,7440-66-6† 14845.6 0.50819 mg/L 0.009591 0.50819 mg/L 0.009591 1.89%
QC value within limits for Zinc,7440-66-6 Recovery = 101.64%
Zirconium,7440-67-7† 88681.3 0.50857 mg/L 0.006826 0.50857 mg/L 0.006826 1.34%
QC value within limits for Zirconium,7440-67-7 Recovery = 101.71%
QC Failed. Continue with analysis.

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Sequence No.: 42 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 12/22/2007 7:12:43 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:41:47 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2059914.3	106.117	%	0.7492				0.71%
Yttrium,7440-65-5A	1187563.2	105.734	%	0.8062				0.76%
Yttrium,7440-65-5R	67320.6	112.455	%	1.0683				0.95%
Ar 420.067 R	981998.6	105.079	%	0.2664				0.25%
Ar 363.268 A	42155.9	100.835	%	0.4582				0.45%
Aluminum,7429-90-5†	11.4	0.06132	mg/L	0.011240	0.06132	mg/L	0.011240	18.33%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	5.4	0.00856	mg/L	0.003426	0.00856	mg/L	0.003426	40.01%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	0.4	0.00094	mg/L	0.004826	0.00094	mg/L	0.004826	513.21%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	-11.2	-0.00025	mg/L	0.000186	-0.00025	mg/L	0.000186	75.47%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-236.7	-0.00016	mg/L	0.000016	-0.00016	mg/L	0.000016	9.85%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	139.5	0.01238	mg/L	0.006005	0.01238	mg/L	0.006005	48.51%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	1.4	0.00004	mg/L	0.000084	0.00004	mg/L	0.000084	209.45%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-6.2	-0.00500	mg/L	0.005669	-0.00500	mg/L	0.005669	113.46%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-16.4	-0.00041	mg/L	0.001240	-0.00041	mg/L	0.001240	299.29%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	5.5	0.00038	mg/L	0.000341	0.00038	mg/L	0.000341	88.86%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	42.4	0.00038	mg/L	0.000304	0.00038	mg/L	0.000304	79.99%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	0.3	0.00088	mg/L	0.003924	0.00088	mg/L	0.003924	447.79%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-8.4	-0.00165	mg/L	0.001752	-0.00165	mg/L	0.001752	106.23%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	12.7	0.00022	mg/L	0.002133	0.00022	mg/L	0.002133	967.53%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	2.6	0.03103	mg/L	0.014283	0.03103	mg/L	0.014283	46.04%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	4.7	0.00002	mg/L	0.000154	0.00002	mg/L	0.000154	907.47%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	-0.5	-0.00007	mg/L	0.001836	-0.00007	mg/L	0.001836	>999.9%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	5.9	0.00029	mg/L	0.000149	0.00029	mg/L	0.000149	51.44%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	133.6	0.09926	mg/L	0.053918	0.09926	mg/L	0.053918	54.32%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	1.7	0.00362	mg/L	0.005270	0.00362	mg/L	0.005270	145.48%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	-2.0	-0.03172	mg/L	0.014840	-0.03172	mg/L	0.014840	46.79%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	-27.5	-0.00020	mg/L	0.000532	-0.00020	mg/L	0.000532	268.72%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	-265.5	-0.17331	mg/L	0.037156	-0.17331	mg/L	0.037156	21.44%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								

Strontium,7440-24-6†	-61.4	-0.00064	mg/L	0.000677	-0.00064	mg/L	0.000677 106.34%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated							
Thallium,7440-28-0†	-1.4	-0.00206	mg/L	0.000153	-0.00206	mg/L	0.000153 7.40%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated							
Tin,7440-31-5†	3.3	0.00208	mg/L	0.002291	0.00208	mg/L	0.002291 109.88%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated							
Titanium,7440-32-6†	218.7	0.00083	mg/L	0.000916	0.00083	mg/L	0.000916 109.83%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated							
Vanadium,7440-62-2†	8.7	0.00013	mg/L	0.001058	0.00013	mg/L	0.001058 784.10%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated							
Zinc,7440-66-6†	4.7	0.00016	mg/L	0.000063	0.00016	mg/L	0.000063 39.49%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated							
Zirconium,7440-67-7†	-7.4	-0.00004	mg/L	0.000426	-0.00004	mg/L	0.000426 >999.9%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 43 **Autosampler Location: 47**
Sample ID: 558316 **Date Collected: 12/22/2007 7:19:51 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:41:49 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 558316

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2079334.0	107.118	%	0.2940				0.27%
Yttrium,7440-65-5A	1202389.4	107.054	%	0.2959				0.28%
Yttrium,7440-65-5R	67656.9	113.017	%	0.8787				0.78%
Ar 420.067 R	971381.7	103.943	%	0.8377				0.81%
Ar 363.268 A	42053.1	100.589	%	0.1640				0.16%
Aluminum,7429-90-5†	14.7	0.07918	mg/L	0.004305	0.07918	mg/L	0.004305	5.44%
Antimony,7440-36-0†	7.9	0.01263	mg/L	0.010162	0.01263	mg/L	0.010162	80.47%
Arsenic,7440-38-2†	-0.8	-0.00175	mg/L	0.010942	-0.00175	mg/L	0.010942	625.86%
Barium,7440-39-3†	-19.2	-0.00042	mg/L	0.000042	-0.00042	mg/L	0.000042	10.04%
Beryllium,7440-41-7†	-351.5	-0.00023	mg/L	0.000012	-0.00023	mg/L	0.000012	4.97%
Boron,7440-42-8†	130.1	0.01154	mg/L	0.002805	0.01154	mg/L	0.002805	24.31%
Cadmium,7440-43-9†	-1.1	-0.00003	mg/L	0.000159	-0.00003	mg/L	0.000159	571.64%
Calcium,7440-70-2†	-10.4	-0.00844	mg/L	0.002889	-0.00844	mg/L	0.002889	34.24%
Chromium,7440-47-3†	-27.7	-0.00069	mg/L	0.000273	-0.00069	mg/L	0.000273	39.24%
Cobalt,7440-48-4†	2.5	0.00017	mg/L	0.000558	0.00017	mg/L	0.000558	326.80%
Copper,7440-50-8†	-379.4	-0.00342	mg/L	0.000751	-0.00342	mg/L	0.000751	21.97%
Iron,7439-89-6†	1.9	0.00489	mg/L	0.006542	0.00489	mg/L	0.006542	133.69%
Lead,7439-92-1†	-18.7	-0.00366	mg/L	0.000643	-0.00366	mg/L	0.000643	17.58%
Lithium,7439-93-2†	-80.8	-0.00140	mg/L	0.000586	-0.00140	mg/L	0.000586	41.87%
Magnesium,7439-95-4†	2.9	0.03505	mg/L	0.075906	0.03505	mg/L	0.075906	216.57%
Manganese,7439-96-5†	-49.3	-0.00019	mg/L	0.000050	-0.00019	mg/L	0.000050	26.96%
Molybdenum,7439-98-7†	-12.0	-0.00182	mg/L	0.001614	-0.00182	mg/L	0.001614	88.43%
Nickel,7440-02-0†	-39.6	-0.00195	mg/L	0.000304	-0.00195	mg/L	0.000304	15.56%
Potassium,7440-09-7†	194.9	0.14482	mg/L	0.018341	0.14482	mg/L	0.018341	12.66%
Selenium,7782-49-2†	-8.4	-0.01764	mg/L	0.003196	-0.01764	mg/L	0.003196	18.12%
Silicon,7440-21-3†	-2.7	-0.04279	mg/L	0.035469	-0.04279	mg/L	0.035469	82.89%
Silver,7440-22-4†	-397.4	-0.00289	mg/L	0.000354	-0.00289	mg/L	0.000354	12.26%
Sodium,7440-23-5†	-297.1	-0.19395	mg/L	0.030939	-0.19395	mg/L	0.030939	15.95%
Strontium,7440-24-6†	-64.3	-0.00067	mg/L	0.000269	-0.00067	mg/L	0.000269	40.49%
Thallium,7440-28-0†	1.8	0.00263	mg/L	0.006355	0.00263	mg/L	0.006355	241.54%
Tin,7440-31-5†	-0.4	-0.00026	mg/L	0.003200	-0.00026	mg/L	0.003200	>999.9%
Titanium,7440-32-6†	300.5	0.00115	mg/L	0.000766	0.00115	mg/L	0.000766	66.87%
Vanadium,7440-62-2†	-141.0	-0.00217	mg/L	0.000512	-0.00217	mg/L	0.000512	23.54%
Zinc,7440-66-6†	-77.4	-0.00266	mg/L	0.000071	-0.00266	mg/L	0.000071	2.67%
Zirconium,7440-67-7†	-101.9	-0.00058	mg/L	0.000334	-0.00058	mg/L	0.000334	57.15%

Sequence No.: 44 **Autosampler Location: 48**
Sample ID: 558317 **Date Collected: 12/22/2007 7:26:59 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:41:53 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

169903

Mean Data: 558317

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	2039797.0	105.081	%	0.4588				0.44%
Yttrium,7440-65-5A	1168703.0	104.055	%	0.4823				0.46%
Yttrium,7440-65-5R	65633.8	109.637	%	1.0393				0.95%
Ar 420.067 R	960737.5	102.804	%	0.1586				0.15%
Ar 363.268 A	42197.6	100.935	%	0.2818				0.28%
Aluminum,7429-90-5†	991.0	5.34232	mg/L	0.031063	5.34232	mg/L	0.031063	0.58%
Antimony,7440-36-0†	331.8	0.53245	mg/L	0.014021	0.53245	mg/L	0.014021	2.63%
Arsenic,7440-38-2†	250.2	0.54496	mg/L	0.005048	0.54496	mg/L	0.005048	0.93%
Barium,7440-39-3†	24194.9	0.53085	mg/L	0.006486	0.53085	mg/L	0.006486	1.22%
Beryllium,7440-41-7†	818791.9	0.54491	mg/L	0.001099	0.54491	mg/L	0.001099	0.20%
Boron,7440-42-8†	29498.3	2.62151	mg/L	0.036415	2.62151	mg/L	0.036415	1.39%
Cadmium,7440-43-9†	19354.8	0.53568	mg/L	0.006847	0.53568	mg/L	0.006847	1.28%
Calcium,7440-70-2†	6631.8	5.36515	mg/L	0.022198	5.36515	mg/L	0.022198	0.41%
Chromium,7440-47-3†	21324.3	0.53478	mg/L	0.006859	0.53478	mg/L	0.006859	1.28%
Cobalt,7440-48-4†	7592.1	0.52772	mg/L	0.004124	0.52772	mg/L	0.004124	0.78%
Copper,7440-50-8†	58605.8	0.52583	mg/L	0.007301	0.52583	mg/L	0.007301	1.39%
Iron,7439-89-6†	2025.8	5.34526	mg/L	0.060310	5.34526	mg/L	0.060310	1.13%
Lead,7439-92-1†	2692.9	0.53105	mg/L	0.005338	0.53105	mg/L	0.005338	1.01%
Lithium,7439-93-2†	30156.1	0.52237	mg/L	0.003863	0.52237	mg/L	0.003863	0.74%
Magnesium,7439-95-4†	440.4	5.35526	mg/L	0.067362	5.35526	mg/L	0.067362	1.26%
Manganese,7439-96-5†	141222.2	0.53449	mg/L	0.007834	0.53449	mg/L	0.007834	1.47%
Molybdenum,7439-98-7†	3410.5	0.51750	mg/L	0.002757	0.51750	mg/L	0.002757	0.53%
Nickel,7440-02-0†	10985.9	0.54104	mg/L	0.008739	0.54104	mg/L	0.008739	1.62%
Potassium,7440-09-7†	14046.9	10.4356	mg/L	0.06040	10.4356	mg/L	0.06040	0.58%
Selenium,7782-49-2†	252.5	0.53145	mg/L	0.010908	0.53145	mg/L	0.010908	2.05%
Silicon,7440-21-3†	325.2	5.22085	mg/L	0.034830	5.22085	mg/L	0.034830	0.67%
Silver,7440-22-4†	72272.5	0.52686	mg/L	0.006453	0.52686	mg/L	0.006453	1.22%
Sodium,7440-23-5†	30747.3	20.0745	mg/L	0.04446	20.0745	mg/L	0.04446	0.22%
Strontium,7440-24-6†	49607.0	0.51441	mg/L	0.004435	0.51441	mg/L	0.004435	0.86%
Thallium,7440-28-0†	368.9	0.54613	mg/L	0.006118	0.54613	mg/L	0.006118	1.12%
Tin,7440-31-5†	854.4	0.54159	mg/L	0.006675	0.54159	mg/L	0.006675	1.23%
Titanium,7440-32-6†	138531.2	0.52814	mg/L	0.000272	0.52814	mg/L	0.000272	0.05%
Vanadium,7440-62-2†	34428.7	0.53074	mg/L	0.007754	0.53074	mg/L	0.007754	1.46%
Zinc,7440-66-6†	15575.7	0.53320	mg/L	0.007097	0.53320	mg/L	0.007097	1.33%
Zirconium,7440-67-7†	191.6	0.00060	mg/L	0.000337	0.00060	mg/L	0.000337	55.80%

Sequence No.: 45
Sample ID: 20712203507
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 49
Date Collected: 12/22/2007 7:34:13 PM
Data Type: Reprocessed on 12/24/2007 11:41:54 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20712203507

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	1980829.0	102.043	%	0.1849				0.18%
Yttrium,7440-65-5A	1126050.7	100.257	%	0.0307				0.03%
Yttrium,7440-65-5R	64933.3	108.467	%	0.0436				0.04%
Ar 420.067 R	969929.0	103.787	%	0.0630				0.06%
Ar 363.268 A	42632.1	101.974	%	0.3589				0.35%
Aluminum,7429-90-5†	10.2	0.05449	mg/L	0.038627	0.05449	mg/L	0.038627	70.89%
Antimony,7440-36-0†	-0.2	-0.00032	mg/L	0.001668	-0.00032	mg/L	0.001668	521.29%
Arsenic,7440-38-2†	1.4	0.00410	mg/L	0.014916	0.00410	mg/L	0.014916	363.77%
Barium,7440-39-3†	3245.6	0.07034	mg/L	0.000244	0.07034	mg/L	0.000244	0.35%
Beryllium,7440-41-7†	-132.1	-0.00015	mg/L	0.000051	-0.00015	mg/L	0.000051	33.50%
Boron,7440-42-8†	4136.3	0.36999	mg/L	0.003023	0.36999	mg/L	0.003023	0.82%
Cadmium,7440-43-9†	-21.6	-0.00074	mg/L	0.000018	-0.00074	mg/L	0.000018	2.42%
Calcium,7440-70-2†	137759.0	111.488	mg/L	0.2637	111.488	mg/L	0.2637	0.24%
Chromium,7440-47-3†	-113.8	-0.00287	mg/L	0.000590	-0.00287	mg/L	0.000590	20.53%
Cobalt,7440-48-4†	25.3	0.00165	mg/L	0.000295	0.00165	mg/L	0.000295	17.90%
Copper,7440-50-8†	428.2	0.00166	mg/L	0.000449	0.00166	mg/L	0.000449	27.08%
Iron,7439-89-6†	3.5	0.00534	mg/L	0.004902	0.00534	mg/L	0.004902	91.72%
Lead,7439-92-1†	-51.2	-0.00931	mg/L	0.000993	-0.00931	mg/L	0.000993	10.66%

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Lithium,7439-93-2†	2999.7	0.05190	mg/L	0.001394	0.05190	mg/L	0.001394	2.68%
Magnesium,7439-95-4†	3495.3	42.4685	mg/L	0.24876	42.4685	mg/L	0.24876	0.59%
Manganese,7439-96-5†	153708.5	0.58235	mg/L	0.000564	0.58235	mg/L	0.000564	0.10%
Molybdenum,7439-98-7†	185.8	0.02772	mg/L	0.000930	0.02772	mg/L	0.000930	3.35%
Nickel,7440-02-0†	257.3	0.01219	mg/L	0.000396	0.01219	mg/L	0.000396	3.24%
Potassium,7440-09-7†	10569.2	7.85502	mg/L	0.006974	7.85502	mg/L	0.006974	0.09%
Selenium,7782-49-2†	-1.5	-0.00290	mg/L	0.004863	-0.00290	mg/L	0.004863	167.77%
Silicon,7440-21-3†	907.8	14.6182	mg/L	0.09221	14.6182	mg/L	0.09221	0.63%
Silver,7440-22-4†	476.7	0.00123	mg/L	0.000212	0.00123	mg/L	0.000212	17.22%
Sodium,7440-23-5†	287551.0	187.662	mg/L	0.8355	187.662	mg/L	0.8355	0.45%
Strontium,7440-24-6†	54404.6	0.56166	mg/L	0.001773	0.56166	mg/L	0.001773	0.32%
Thallium,7440-28-0†	-4.4	-0.00716	mg/L	0.017366	-0.00716	mg/L	0.017366	242.48%
Tin,7440-31-5†	-142.8	-0.08891	mg/L	0.002629	-0.08891	mg/L	0.002629	2.96%
Titanium,7440-32-6†	90.3	0.00034	mg/L	0.001475	0.00034	mg/L	0.001475	436.71%
Vanadium,7440-62-2†	82.1	0.00183	mg/L	0.001276	0.00183	mg/L	0.001276	69.54%
Zinc,7440-66-6†	273.6	0.00762	mg/L	0.000177	0.00762	mg/L	0.000177	2.32%
Zirconium,7440-67-7†	-59.5	-0.00051	mg/L	0.000173	-0.00051	mg/L	0.000173	34.21%

Sequence No.: 46 **Autosampler Location: 50**
Sample ID: 558318 **Date Collected: 12/22/2007 7:41:31 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:41:56 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 558318

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	1992432.4	102.641	%	0.8971				0.87%
Yttrium,7440-65-5A	1134367.9	100.998	%	0.9058				0.90%
Yttrium,7440-65-5R	65484.7	109.388	%	0.4565				0.42%
Ar 420.067 R	964441.5	103.200	%	0.2866				0.28%
Ar 363.268 A	42378.5	101.368	%	0.1376				0.14%
Aluminum,7429-90-5†	22.5	0.12115	mg/L	0.071441	0.12115	mg/L	0.071441	58.97%
Antimony,7440-36-0†	9.1	0.01450	mg/L	0.002196	0.01450	mg/L	0.002196	15.14%
Arsenic,7440-38-2†	1.5	0.00413	mg/L	0.008820	0.00413	mg/L	0.008820	213.46%
Barium,7440-39-3†	3014.5	0.06529	mg/L	0.000386	0.06529	mg/L	0.000386	0.59%
Beryllium,7440-41-7†	-94.2	-0.00012	mg/L	0.000056	-0.00012	mg/L	0.000056	45.59%
Boron,7440-42-8†	3861.4	0.34548	mg/L	0.001731	0.34548	mg/L	0.001731	0.50%
Cadmium,7440-43-9†	-19.5	-0.00067	mg/L	0.000057	-0.00067	mg/L	0.000057	8.54%
Calcium,7440-70-2†	133780.6	108.269	mg/L	0.2263	108.269	mg/L	0.2263	0.21%
Chromium,7440-47-3†	-121.8	-0.00306	mg/L	0.000242	-0.00306	mg/L	0.000242	7.92%
Cobalt,7440-48-4†	25.0	0.00163	mg/L	0.000401	0.00163	mg/L	0.000401	24.56%
Copper,7440-50-8†	342.7	0.00097	mg/L	0.000758	0.00097	mg/L	0.000758	78.55%
Iron,7439-89-6†	0.8	-0.00172	mg/L	0.006017	-0.00172	mg/L	0.006017	350.63%
Lead,7439-92-1†	-54.8	-0.01002	mg/L	0.001115	-0.01002	mg/L	0.001115	11.13%
Lithium,7439-93-2†	3093.4	0.05353	mg/L	0.000525	0.05353	mg/L	0.000525	0.98%
Magnesium,7439-95-4†	3415.3	41.4956	mg/L	0.14480	41.4956	mg/L	0.14480	0.35%
Manganese,7439-96-5†	146163.6	0.55375	mg/L	0.008456	0.55375	mg/L	0.008456	1.53%
Molybdenum,7439-98-7†	175.5	0.02618	mg/L	0.001968	0.02618	mg/L	0.001968	7.52%
Nickel,7440-02-0†	236.2	0.01117	mg/L	0.000760	0.01117	mg/L	0.000760	6.80%
Potassium,7440-09-7†	10772.7	8.00617	mg/L	0.117289	8.00617	mg/L	0.117289	1.46%
Selenium,7782-49-2†	-3.7	-0.00754	mg/L	0.003509	-0.00754	mg/L	0.003509	46.54%
Silicon,7440-21-3†	899.2	14.4788	mg/L	0.14217	14.4788	mg/L	0.14217	0.98%
Silver,7440-22-4†	202.8	-0.00070	mg/L	0.000927	-0.00070	mg/L	0.000927	132.41%
Sodium,7440-23-5†	282901.7	184.627	mg/L	1.5170	184.627	mg/L	1.5170	0.82%
Strontium,7440-24-6†	51844.7	0.53518	mg/L	0.004733	0.53518	mg/L	0.004733	0.88%
Thallium,7440-28-0†	1.9	0.00200	mg/L	0.007405	0.00200	mg/L	0.007405	370.60%
Tin,7440-31-5†	-144.1	-0.08981	mg/L	0.004330	-0.08981	mg/L	0.004330	4.82%
Titanium,7440-32-6†	-217.0	-0.00083	mg/L	0.000862	-0.00083	mg/L	0.000862	103.47%
Vanadium,7440-62-2†	-110.9	-0.00115	mg/L	0.002150	-0.00115	mg/L	0.002150	186.31%
Zinc,7440-66-6†	168.1	0.00403	mg/L	0.000115	0.00403	mg/L	0.000115	2.85%
Zirconium,7440-67-7†	-136.3	-0.00094	mg/L	0.000236	-0.00094	mg/L	0.000236	25.17%

Sequence No.: 47 **Autosampler Location: 51**
Sample ID: 558319 **Date Collected: 12/22/2007 7:48:46 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:41:58 AM**
Logged In Analyst (Original) : met

Initial Sample Wt: Initial Sample Vol:
Dilution: 1X Sample Prep Vol:

Mean Data: 558319

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2000023.8	103.032	%	0.8899				0.86%
Yttrium,7440-65-5A	1138797.9	101.392	%	0.8606				0.85%
Yttrium,7440-65-5R	65884.5	110.056	%	0.5372				0.49%
Ar 420.067 R	947579.0	101.396	%	0.0627				0.06%
Ar 363.268 A	42540.2	101.754	%	0.1926				0.19%
Aluminum,7429-90-5†	970.4	5.23047	mg/L	0.036979	5.23047	mg/L	0.036979	0.71%
Antimony,7440-36-0†	348.6	0.55937	mg/L	0.004141	0.55937	mg/L	0.004141	0.74%
Arsenic,7440-38-2†	268.2	0.58426	mg/L	0.010346	0.58426	mg/L	0.010346	1.77%
Barium,7440-39-3†	26512.3	0.58085	mg/L	0.002351	0.58085	mg/L	0.002351	0.40%
Beryllium,7440-41-7†	830254.1	0.55251	mg/L	0.001134	0.55251	mg/L	0.001134	0.21%
Boron,7440-42-8†	34862.4	3.10017	mg/L	0.007077	3.10017	mg/L	0.007077	0.23%
Cadmium,7440-43-9†	18588.0	0.51431	mg/L	0.002679	0.51431	mg/L	0.002679	0.52%
Calcium,7440-70-2†	136253.0	110.268	mg/L	0.1230	110.268	mg/L	0.1230	0.11%
Chromium,7440-47-3†	20686.2	0.51875	mg/L	0.002359	0.51875	mg/L	0.002359	0.45%
Cobalt,7440-48-4†	7378.8	0.51274	mg/L	0.005228	0.51274	mg/L	0.005228	1.02%
Copper,7440-50-8†	59796.1	0.53452	mg/L	0.002880	0.53452	mg/L	0.002880	0.54%
Iron,7439-89-6†	2004.0	5.28410	mg/L	0.058135	5.28410	mg/L	0.058135	1.10%
Lead,7439-92-1†	2570.3	0.50760	mg/L	0.010693	0.50760	mg/L	0.010693	2.11%
Lithium,7439-93-2†	31648.4	0.54817	mg/L	0.001214	0.54817	mg/L	0.001214	0.22%
Magnesium,7439-95-4†	3735.6	45.3925	mg/L	0.66054	45.3925	mg/L	0.66054	1.46%
Manganese,7439-96-5†	283492.2	1.07353	mg/L	0.003265	1.07353	mg/L	0.003265	0.30%
Molybdenum,7439-98-7†	3655.4	0.55421	mg/L	0.008105	0.55421	mg/L	0.008105	1.46%
Nickel,7440-02-0†	10522.7	0.51773	mg/L	0.000783	0.51773	mg/L	0.000783	0.15%
Potassium,7440-09-7†	25671.9	19.0751	mg/L	0.02245	19.0751	mg/L	0.02245	0.12%
Selenium,7782-49-2†	265.6	0.55930	mg/L	0.006208	0.55930	mg/L	0.006208	1.11%
Silicon,7440-21-3†	1192.0	19.1789	mg/L	0.18699	19.1789	mg/L	0.18699	0.97%
Silver,7440-22-4†	71481.9	0.51900	mg/L	0.002042	0.51900	mg/L	0.002042	0.39%
Sodium,7440-23-5†	308139.4	201.106	mg/L	0.0794	201.106	mg/L	0.0794	0.04%
Strontium,7440-24-6†	99248.2	1.02681	mg/L	0.001782	1.02681	mg/L	0.001782	0.17%
Thallium,7440-28-0†	354.0	0.52399	mg/L	0.009245	0.52399	mg/L	0.009245	1.76%
Tin,7440-31-5†	719.0	0.45727	mg/L	0.005586	0.45727	mg/L	0.005586	1.22%
Titanium,7440-32-6†	138760.7	0.52901	mg/L	0.001473	0.52901	mg/L	0.001473	0.28%
Vanadium,7440-62-2†	34727.1	0.53589	mg/L	0.001912	0.53589	mg/L	0.001912	0.36%
Zinc,7440-66-6†	15405.0	0.52585	mg/L	0.002289	0.52585	mg/L	0.002289	0.44%
Zirconium,7440-67-7†	10.4	-0.00058	mg/L	0.000329	-0.00058	mg/L	0.000329	56.37%

Sequence No.: 48 Autosampler Location: 52
Sample ID: 558751 Date Collected: 12/22/2007 7:55:47 PM
Analyst: Data Type: Reprocessed on 12/24/2007 11:41:59 AM
Logged In Analyst (Original) : met
Initial Sample Wt: Initial Sample Vol:
Dilution: 1X Sample Prep Vol:

Mean Data: 558751

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	1984288.2	102.222	%	0.4772				0.47%
Yttrium,7440-65-5A	1129699.7	100.582	%	0.4786				0.48%
Yttrium,7440-65-5R	66240.0	110.650	%	0.4169				0.38%
Ar 420.067 R	963825.6	103.134	%	0.3536				0.34%
Ar 363.268 A	42527.7	101.725	%	0.3259				0.32%
Aluminum,7429-90-5†	950.6	5.12382	mg/L	0.060084	5.12382	mg/L	0.060084	1.17%
Antimony,7440-36-0†	427.5	0.68486	mg/L	0.010432	0.68486	mg/L	0.010432	1.52%
Arsenic,7440-38-2†	265.6	0.57815	mg/L	0.001999	0.57815	mg/L	0.001999	0.35%
Barium,7440-39-3†	26021.1	0.57002	mg/L	0.003071	0.57002	mg/L	0.003071	0.54%
Beryllium,7440-41-7†	801906.0	0.53359	mg/L	0.000613	0.53359	mg/L	0.000613	0.11%
Boron,7440-42-8†	43296.0	3.84850	mg/L	0.020909	3.84850	mg/L	0.020909	0.54%
Cadmium,7440-43-9†	18176.1	0.50291	mg/L	0.003810	0.50291	mg/L	0.003810	0.76%
Calcium,7440-70-2†	143047.2	115.766	mg/L	0.1685	115.766	mg/L	0.1685	0.15%
Chromium,7440-47-3†	20208.3	0.50678	mg/L	0.002936	0.50678	mg/L	0.002936	0.58%
Cobalt,7440-48-4†	7260.9	0.50426	mg/L	0.000992	0.50426	mg/L	0.000992	0.20%
Copper,7440-50-8†	57921.6	0.51749	mg/L	0.001094	0.51749	mg/L	0.001094	0.21%

169906

Iron,7439-89-6†	2016.2	5.31605 mg/L	0.045777	5.31605 mg/L	0.045777	0.86%
Lead,7439-92-1†	2533.4	0.50032 mg/L	0.003532	0.50032 mg/L	0.003532	0.71%
Lithium,7439-93-2†	32764.6	0.56750 mg/L	0.001089	0.56750 mg/L	0.001089	0.19%
Magnesium,7439-95-4†	3957.0	48.0824 mg/L	0.49840	48.0824 mg/L	0.49840	1.04%
Manganese,7439-96-5†	284460.3	1.07716 mg/L	0.004831	1.07716 mg/L	0.004831	0.45%
Molybdenum,7439-98-7†	4439.4	0.67321 mg/L	0.000738	0.67321 mg/L	0.000738	0.11%
Nickel,7440-02-0†	10248.3	0.50415 mg/L	0.002279	0.50415 mg/L	0.002279	0.45%
Potassium,7440-09-7†	26751.4	19.8772 mg/L	0.10593	19.8772 mg/L	0.10593	0.53%
Selenium,7782-49-2†	253.0	0.53298 mg/L	0.003743	0.53298 mg/L	0.003743	0.70%
Silicon,7440-21-3†	1323.8	21.2980 mg/L	0.18765	21.2980 mg/L	0.18765	0.88%
Silver,7440-22-4†	69147.1	0.50209 mg/L	0.001758	0.50209 mg/L	0.001758	0.35%
Sodium,7440-23-5†	314982.8	205.573 mg/L	0.2914	205.573 mg/L	0.2914	0.14%
Strontium,7440-24-6†	97162.7	1.00502 mg/L	0.000996	1.00502 mg/L	0.000996	0.10%
Thallium,7440-28-0†	349.4	0.51827 mg/L	0.002969	0.51827 mg/L	0.002969	0.57%
Tin,7440-31-5†	917.3	0.58301 mg/L	0.001452	0.58301 mg/L	0.001452	0.25%
Titanium,7440-32-6†	168843.9	0.64373 mg/L	0.000356	0.64373 mg/L	0.000356	0.06%
Vanadium,7440-62-2†	33314.5	0.51415 mg/L	0.000662	0.51415 mg/L	0.000662	0.13%
Zinc,7440-66-6†	15152.5	0.51716 mg/L	0.003340	0.51716 mg/L	0.003340	0.65%
Zirconium,7440-67-7†	-21.6	-0.00076 mg/L	0.000230	-0.00076 mg/L	0.000230	30.35%

Sequence No.: 49
Sample ID: 558752
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 53
Date Collected: 12/22/2007 8:02:47 PM
Data Type: Reprocessed on 12/24/2007 11:42:01 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 558752

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2012431.0	103.671	%	0.0859				0.08%
Yttrium,7440-65-5A	1151130.8	102.490	%	0.0269				0.03%
Yttrium,7440-65-5R	65640.7	109.649	%	1.0287				0.94%
Ar 420.067 R	946055.1	101.233	%	0.8157				0.81%
Ar 363.268 A	41565.0	99.4217	%	0.19854				0.20%
Aluminum,7429-90-5†	24.2	0.13062	mg/L	0.047303	0.65311	mg/L	0.236517	36.21%
Antimony,7440-36-0†	6.9	0.01103	mg/L	0.006111	0.05517	mg/L	0.030557	55.39%
Arsenic,7440-38-2†	-0.6	-0.00117	mg/L	0.002738	-0.00584	mg/L	0.013691	234.60%
Barium,7440-39-3†	612.9	0.01327	mg/L	0.000262	0.06637	mg/L	0.001309	1.97%
Beryllium,7440-41-7†	-161.3	-0.00012	mg/L	0.000024	-0.00059	mg/L	0.000120	20.16%
Boron,7440-42-8†	1182.5	0.10550	mg/L	0.001770	0.52750	mg/L	0.008851	1.68%
Cadmium,7440-43-9†	0.9	0.00000	mg/L	0.000154	-0.00001	mg/L	0.000771	>999.9%
Calcium,7440-70-2†	27138.5	21.9632	mg/L	0.05795	109.816	mg/L	0.2898	0.26%
Chromium,7440-47-3†	-52.1	-0.00131	mg/L	0.000522	-0.00656	mg/L	0.002612	39.80%
Cobalt,7440-48-4†	7.5	0.00050	mg/L	0.000155	0.00249	mg/L	0.000777	31.14%
Copper,7440-50-8†	116.7	0.00062	mg/L	0.000688	0.00308	mg/L	0.003442	111.83%
Iron,7439-89-6†	6.1	0.01544	mg/L	0.004907	0.07722	mg/L	0.024533	31.77%
Lead,7439-92-1†	-16.4	-0.00305	mg/L	0.002460	-0.01525	mg/L	0.012299	80.63%
Lithium,7439-93-2†	576.4	0.00997	mg/L	0.000787	0.04986	mg/L	0.003936	7.89%
Magnesium,7439-95-4†	700.0	8.50515	mg/L	0.112620	42.5257	mg/L	0.56310	1.32%
Manganese,7439-96-5†	30159.9	0.11426	mg/L	0.000613	0.57131	mg/L	0.003066	0.54%
Molybdenum,7439-98-7†	36.5	0.00545	mg/L	0.000792	0.02725	mg/L	0.003961	14.54%
Nickel,7440-02-0†	51.4	0.00244	mg/L	0.000790	0.01219	mg/L	0.003949	32.40%
Potassium,7440-09-7†	2114.2	1.57131	mg/L	0.037809	7.85653	mg/L	0.189046	2.41%
Selenium,7782-49-2†	-1.4	-0.00279	mg/L	0.014550	-0.01394	mg/L	0.072748	521.96%
Silicon,7440-21-3†	168.5	2.71309	mg/L	0.071040	13.5654	mg/L	0.35520	2.62%
Silver,7440-22-4†	-294.7	-0.00259	mg/L	0.000355	-0.01293	mg/L	0.001775	13.73%
Sodium,7440-23-5†	57263.5	37.3713	mg/L	0.56051	186.857	mg/L	2.8026	1.50%
Strontium,7440-24-6†	10779.6	0.11129	mg/L	0.000751	0.55646	mg/L	0.003755	0.67%
Thallium,7440-28-0†	-0.9	-0.00142	mg/L	0.007431	-0.00710	mg/L	0.037154	523.49%
Tin,7440-31-5†	-39.7	-0.02485	mg/L	0.002914	-0.12424	mg/L	0.014572	11.73%
Titanium,7440-32-6†	-161.2	-0.00062	mg/L	0.000702	-0.00308	mg/L	0.003511	113.99%
Vanadium,7440-62-2†	-143.7	-0.00210	mg/L	0.000355	-0.01052	mg/L	0.001777	16.89%
Zinc,7440-66-6†	55.3	0.00154	mg/L	0.000296	0.00771	mg/L	0.001481	19.21%
Zirconium,7440-67-7†	-143.7	-0.00086	mg/L	0.000589	-0.00428	mg/L	0.002946	68.79%

Sequence No.: 50
Sample ID: 20712203306

Autosampler Location: 54
Date Collected: 12/22/2007 8:09:59 PM

169907

Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Data Type: Reprocessed on 12/24/2007 11:42:05 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20712203306

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2088689.0	107.600	%	1.2374				1.15%
Yttrium,7440-65-5A	1207160.2	107.479	%	1.2428				1.16%
Yttrium,7440-65-5R	67862.7	113.361	%	0.3034				0.27%
Ar 420.067 R	966051.7	103.372	%	0.4883				0.47%
Ar 363.268 A	42180.9	100.895	%	0.3706				0.37%
Aluminum,7429-90-5†	23.8	0.12877	mg/L	0.009479	0.12877	mg/L	0.009479	7.36%
Antimony,7440-36-0†	4.0	0.00640	mg/L	0.002697	0.00640	mg/L	0.002697	42.17%
Arsenic,7440-38-2†	3.0	0.00640	mg/L	0.009268	0.00640	mg/L	0.009268	144.83%
Barium,7440-39-3†	-22.1	-0.00048	mg/L	0.000130	-0.00048	mg/L	0.000130	26.83%
Beryllium,7440-41-7†	-363.6	-0.00024	mg/L	0.000018	-0.00024	mg/L	0.000018	7.68%
Boron,7440-42-8†	201.6	0.01788	mg/L	0.003033	0.01788	mg/L	0.003033	16.96%
Cadmium,7440-43-9†	3.1	0.00009	mg/L	0.000278	0.00009	mg/L	0.000278	312.21%
Calcium,7440-70-2†	-16.8	-0.01363	mg/L	0.006345	-0.01363	mg/L	0.006345	46.54%
Chromium,7440-47-3†	-23.6	-0.00059	mg/L	0.000773	-0.00059	mg/L	0.000773	129.97%
Cobalt,7440-48-4†	-3.5	-0.00024	mg/L	0.000599	-0.00024	mg/L	0.000599	251.23%
Copper,7440-50-8†	-325.4	-0.00293	mg/L	0.000448	-0.00293	mg/L	0.000448	15.27%
Iron,7439-89-6†	3.7	0.00975	mg/L	0.006271	0.00975	mg/L	0.006271	64.33%
Lead,7439-92-1†	-10.7	-0.00207	mg/L	0.001557	-0.00207	mg/L	0.001557	75.29%
Lithium,7439-93-2†	-83.3	-0.00144	mg/L	0.001783	-0.00144	mg/L	0.001783	123.54%
Magnesium,7439-95-4†	2.1	0.02502	mg/L	0.021510	0.02502	mg/L	0.021510	85.96%
Manganese,7439-96-5†	-53.9	-0.00020	mg/L	0.000052	-0.00020	mg/L	0.000052	25.34%
Molybdenum,7439-98-7†	1.2	0.00018	mg/L	0.000525	0.00018	mg/L	0.000525	291.88%
Nickel,7440-02-0†	-25.8	-0.00127	mg/L	0.000550	-0.00127	mg/L	0.000550	43.27%
Potassium,7440-09-7†	258.6	0.19218	mg/L	0.039946	0.19218	mg/L	0.039946	20.79%
Selenium,7782-49-2†	-1.6	-0.00329	mg/L	0.002962	-0.00329	mg/L	0.002962	90.13%
Silicon,7440-21-3†	0.3	0.00516	mg/L	0.044571	0.00516	mg/L	0.044571	864.28%
Silver,7440-22-4†	-321.5	-0.00234	mg/L	0.001031	-0.00234	mg/L	0.001031	44.05%
Sodium,7440-23-5†	263.8	0.17215	mg/L	0.006798	0.17215	mg/L	0.006798	3.95%
Strontium,7440-24-6†	-70.3	-0.00073	mg/L	0.000387	-0.00073	mg/L	0.000387	53.17%
Thallium,7440-28-0†	2.4	0.00347	mg/L	0.003765	0.00347	mg/L	0.003765	108.55%
Tin,7440-31-5†	-0.9	-0.00059	mg/L	0.001796	-0.00059	mg/L	0.001796	303.64%
Titanium,7440-32-6†	-210.5	-0.00080	mg/L	0.000280	-0.00080	mg/L	0.000280	34.82%
Vanadium,7440-62-2†	-146.2	-0.00226	mg/L	0.001387	-0.00226	mg/L	0.001387	61.47%
Zinc,7440-66-6†	-43.7	-0.00150	mg/L	0.000311	-0.00150	mg/L	0.000311	20.72%
Zirconium,7440-67-7†	-77.6	-0.00044	mg/L	0.000222	-0.00044	mg/L	0.000222	49.86%

Sequence No.: 51
Sample ID: 20712196005
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 55
Date Collected: 12/22/2007 8:17:12 PM
Data Type: Reprocessed on 12/24/2007 11:42:07 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20712196005

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2089364.0	107.635	%	0.8566				0.80%
Yttrium,7440-65-5A	1201657.5	106.989	%	0.8969				0.84%
Yttrium,7440-65-5R	66787.9	111.565	%	0.6763				0.61%
Ar 420.067 R	962502.4	102.993	%	0.3057				0.30%
Ar 363.268 A	41798.7	99.9808	%	0.06879				0.07%
Aluminum,7429-90-5†	479.9	2.56739	mg/L	0.058652	101.881	mg/kg	2.3275	2.28%
Antimony,7440-36-0†	3.8	0.02144	mg/L	0.004901	0.85063	mg/kg	0.194476	22.86%
Arsenic,7440-38-2†	2.4	0.05231	mg/L	0.007963	2.07588	mg/kg	0.315988	15.22%
Barium,7440-39-3†	5266.0	0.11380	mg/L	0.002222	4.51576	mg/kg	0.088168	1.95%
Beryllium,7440-41-7†	11.6	-0.00095	mg/L	0.000043	-0.03776	mg/kg	0.001691	4.48%
Boron,7440-42-8†	296.5	0.03222	mg/L	0.002998	1.27861	mg/kg	0.118980	9.31%
Cadmium,7440-43-9†	40.6	0.00004	mg/L	0.000026	0.00153	mg/kg	0.001048	68.53%
Calcium,7440-70-2†	8205.0	6.63627	mg/L	0.025833	263.344	mg/kg	1.0251	0.39%
Chromium,7440-47-3†	663.5	0.01492	mg/L	0.000395	0.59202	mg/kg	0.015666	2.65%

Cobalt,7440-48-4†	897.5	0.06114 mg/L	0.000702	2.42622 mg/kg	0.027862	1.15%
Copper,7440-50-8†	12493.4	0.10922 mg/L	0.002662	4.33405 mg/kg	0.105626	2.44%
Iron,7439-89-6†	1685.8	4.44711 mg/L	0.040734	176.473 mg/kg	1.6164	0.92%
Lead,7439-92-1†	72.4	0.01382 mg/L	0.000573	0.54842 mg/kg	0.022719	4.14%
Lithium,7439-93-2†	20.7	0.00029 mg/L	0.000786	0.01150 mg/kg	0.031203	271.45%
Magnesium,7439-95-4†	99.6	1.21156 mg/L	0.060997	48.0776 mg/kg	2.42051	5.03%
Manganese,7439-96-5†	263806.2	0.99908 mg/L	0.001824	39.6459 mg/kg	0.07237	0.18%
Molybdenum,7439-98-7†	188.3	0.02803 mg/L	0.001331	1.11220 mg/kg	0.052836	4.75%
Nickel,7440-02-0†	24846.2	1.22446 mg/L	0.019331	48.5895 mg/kg	0.76711	1.58%
Potassium,7440-09-7†	649.5	0.47944 mg/L	0.062656	19.0252 mg/kg	2.48636	13.07%
Selenium,7782-49-2†	2.8	0.00543 mg/L	0.009332	0.21544 mg/kg	0.370325	171.89%
Silicon,7440-21-3†	109.1	1.75339 mg/L	0.014177	69.5788 mg/kg	0.56256	0.81%
Silver,7440-22-4†	-426.1	-0.00225 mg/L	0.000693	-0.08924 mg/kg	0.027488	30.80%
Sodium,7440-23-5†	1641.0	1.08326 mg/L	0.014703	42.9864 mg/kg	0.58347	1.36%
Strontium,7440-24-6†	2757.0	0.02749 mg/L	0.000169	1.09095 mg/kg	0.006691	0.61%
Thallium,7440-28-0†	-33.7	-0.02796 mg/L	0.007415	-1.10963 mg/kg	0.294255	26.52%
Tin,7440-31-5†	4.1	0.00303 mg/L	0.000880	0.12034 mg/kg	0.034902	29.00%
Titanium,7440-32-6†	29874.4	0.11377 mg/L	0.004091	4.51454 mg/kg	0.162352	3.60%
Vanadium,7440-62-2†	104427.9	1.61061 mg/L	0.029319	63.9130 mg/kg	1.16346	1.82%
Zinc,7440-66-6†	9366.7	0.31362 mg/L	0.006653	12.4454 mg/kg	0.26400	2.12%
Zirconium,7440-67-7†	780.4	0.00364 mg/L	0.000305	0.14459 mg/kg	0.012086	8.36%

Sequence No.: 52
Sample ID: ---
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 56
Date Collected: 12/22/2007 8:24:16 PM
Data Type: Reprocessed on 12/24/2007 11:42:09 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2110844.9	108.741	%	0.4408				0.41%
Yttrium,7440-65-5A	1215302.0	108.204	%	0.4692				0.43%
Yttrium,7440-65-5R	68681.8	114.729	%	0.9419				0.82%
Ar 420.067 R	980639.7	104.933	%	0.2417				0.23%
Ar 363.268 A	42691.9	102.117	%	0.4459				0.44%
Aluminum,7429-90-5†	28.0	0.15131	mg/L	0.006502	0.15131	mg/L	0.006502	4.30%
Antimony,7440-36-0†	4.6	0.00734	mg/L	0.005657	0.00734	mg/L	0.005657	77.10%
Arsenic,7440-38-2†	-0.2	-0.00037	mg/L	0.005597	-0.00037	mg/L	0.005597	>999.9%
Barium,7440-39-3†	-19.8	-0.00043	mg/L	0.000082	-0.00043	mg/L	0.000082	18.98%
Beryllium,7440-41-7†	-423.5	-0.00028	mg/L	0.000054	-0.00028	mg/L	0.000054	19.25%
Boron,7440-42-8†	25.6	0.00226	mg/L	0.004463	0.00226	mg/L	0.004463	197.09%
Cadmium,7440-43-9†	5.0	0.00014	mg/L	0.000041	0.00014	mg/L	0.000041	29.25%
Calcium,7440-70-2†	-17.7	-0.01431	mg/L	0.003761	-0.01431	mg/L	0.003761	26.28%
Chromium,7440-47-3†	-5.1	-0.00013	mg/L	0.000385	-0.00013	mg/L	0.000385	294.52%
Cobalt,7440-48-4†	0.6	0.00004	mg/L	0.000632	0.00004	mg/L	0.000632	>999.9%
Copper,7440-50-8†	-172.1	-0.00155	mg/L	0.000551	-0.00155	mg/L	0.000551	35.54%
Iron,7439-89-6†	1.2	0.00329	mg/L	0.008535	0.00329	mg/L	0.008535	259.54%
Lead,7439-92-1†	-12.3	-0.00238	mg/L	0.002148	-0.00238	mg/L	0.002148	90.34%
Lithium,7439-93-2†	-110.8	-0.00192	mg/L	0.000414	-0.00192	mg/L	0.000414	21.57%
Magnesium,7439-95-4†	0.9	0.01096	mg/L	0.077216	0.01096	mg/L	0.077216	704.57%
Manganese,7439-96-5†	-65.5	-0.00025	mg/L	0.000063	-0.00025	mg/L	0.000063	25.46%
Molybdenum,7439-98-7†	-6.2	-0.00094	mg/L	0.000578	-0.00094	mg/L	0.000578	61.37%
Nickel,7440-02-0†	-27.7	-0.00137	mg/L	0.000896	-0.00137	mg/L	0.000896	65.59%
Potassium,7440-09-7†	216.7	0.16103	mg/L	0.059925	0.16103	mg/L	0.059925	37.21%
Selenium,7782-49-2†	-1.1	-0.00238	mg/L	0.006497	-0.00238	mg/L	0.006497	273.10%
Silicon,7440-21-3†	-3.0	-0.04845	mg/L	0.060253	-0.04845	mg/L	0.060253	124.36%
Silver,7440-22-4†	-271.4	-0.00197	mg/L	0.000562	-0.00197	mg/L	0.000562	28.48%
Sodium,7440-23-5†	369.8	0.24137	mg/L	0.014232	0.24137	mg/L	0.014232	5.90%
Strontium,7440-24-6†	-92.0	-0.00095	mg/L	0.000475	-0.00095	mg/L	0.000475	49.78%
Thallium,7440-28-0†	-1.1	-0.00165	mg/L	0.004424	-0.00165	mg/L	0.004424	267.89%
Tin,7440-31-5†	-0.7	-0.00041	mg/L	0.001681	-0.00041	mg/L	0.001681	410.76%
Titanium,7440-32-6†	352.5	0.00134	mg/L	0.000847	0.00134	mg/L	0.000847	63.00%
Vanadium,7440-62-2†	-74.0	-0.00114	mg/L	0.001053	-0.00114	mg/L	0.001053	92.19%
Zinc,7440-66-6†	-76.8	-0.00264	mg/L	0.000261	-0.00264	mg/L	0.000261	9.89%
Zirconium,7440-67-7†	-81.4	-0.00047	mg/L	0.000249	-0.00047	mg/L	0.000249	53.30%

169909

Sequence No.: 53
Sample ID: 1800
Analyst:.
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/22/2007 8:31:22 PM
Data Type: Reprocessed on 12/24/2007 11:42:10 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2031725.6	104.665	%	0.7834				0.75%
Yttrium,7440-65-5A	1161331.8	103.398	%	0.7324				0.71%
Yttrium,7440-65-5R	65958.8	110.180	%	1.2508				1.14%
Ar 420.067 R	950316.3	101.689	%	0.2274				0.22%
Ar 363.268 A	42216.1	100.979	%	0.2495				0.25%
Aluminum,7429-90-5†	937.2	5.05223	mg/L	0.035390	5.05223	mg/L	0.035390	0.70%
QC value within limits for Aluminum,7429-90-5 Recovery = 101.04%								
Antimony,7440-36-0†	322.9	0.51810	mg/L	0.018203	0.51810	mg/L	0.018203	3.51%
QC value within limits for Antimony,7440-36-0 Recovery = 103.62%								
Arsenic,7440-38-2†	240.8	0.52431	mg/L	0.008611	0.52431	mg/L	0.008611	1.64%
QC value within limits for Arsenic,7440-38-2 Recovery = 104.86%								
Barium,7440-39-3†	23183.7	0.50867	mg/L	0.005101	0.50867	mg/L	0.005101	1.00%
QC value within limits for Barium,7440-39-3 Recovery = 101.73%								
Beryllium,7440-41-7†	772042.4	0.51379	mg/L	0.002714	0.51379	mg/L	0.002714	0.53%
QC value within limits for Beryllium,7440-41-7 Recovery = 102.76%								
Boron,7440-42-8†	28691.7	2.54973	mg/L	0.021539	2.54973	mg/L	0.021539	0.84%
QC value within limits for Boron,7440-42-8 Recovery = 101.99%								
Cadmium,7440-43-9†	18350.8	0.50788	mg/L	0.003739	0.50788	mg/L	0.003739	0.74%
QC value within limits for Cadmium,7440-43-9 Recovery = 101.58%								
Calcium,7440-70-2†	6302.0	5.09833	mg/L	0.027404	5.09833	mg/L	0.027404	0.54%
QC value within limits for Calcium,7440-70-2 Recovery = 101.97%								
Chromium,7440-47-3†	20401.7	0.51164	mg/L	0.005232	0.51164	mg/L	0.005232	1.02%
QC value within limits for Chromium,7440-47-3 Recovery = 102.33%								
Cobalt,7440-48-4†	7305.8	0.50782	mg/L	0.007389	0.50782	mg/L	0.007389	1.45%
QC value within limits for Cobalt,7440-48-4 Recovery = 101.56%								
Copper,7440-50-8†	56576.2	0.50765	mg/L	0.006111	0.50765	mg/L	0.006111	1.20%
QC value within limits for Copper,7440-50-8 Recovery = 101.53%								
Iron,7439-89-6†	1913.0	5.04754	mg/L	0.036398	5.04754	mg/L	0.036398	0.72%
QC value within limits for Iron,7439-89-6 Recovery = 100.95%								
Lead,7439-92-1†	2567.6	0.50633	mg/L	0.010087	0.50633	mg/L	0.010087	1.99%
QC value within limits for Lead,7439-92-1 Recovery = 101.27%								
Lithium,7439-93-2†	29668.3	0.51393	mg/L	0.007728	0.51393	mg/L	0.007728	1.50%
QC value within limits for Lithium,7439-93-2 Recovery = 102.79%								
Magnesium,7439-95-4†	422.4	5.13660	mg/L	0.064220	5.13660	mg/L	0.064220	1.25%
QC value within limits for Magnesium,7439-95-4 Recovery = 102.73%								
Manganese,7439-96-5†	135408.2	0.51249	mg/L	0.005664	0.51249	mg/L	0.005664	1.11%
QC value within limits for Manganese,7439-96-5 Recovery = 102.50%								
Molybdenum,7439-98-7†	3302.2	0.50106	mg/L	0.007411	0.50106	mg/L	0.007411	1.48%
QC value within limits for Molybdenum,7439-98-7 Recovery = 100.21%								
Nickel,7440-02-0†	10474.5	0.51586	mg/L	0.005616	0.51586	mg/L	0.005616	1.09%
QC value within limits for Nickel,7440-02-0 Recovery = 103.17%								
Potassium,7440-09-7†	13202.1	9.80799	mg/L	0.064765	9.80799	mg/L	0.064765	0.66%
QC value within limits for Potassium,7440-09-7 Recovery = 98.08%								
Selenium,7782-49-2†	241.6	0.50853	mg/L	0.012613	0.50853	mg/L	0.012613	2.48%
QC value within limits for Selenium,7782-49-2 Recovery = 101.71%								
Silicon,7440-21-3†	315.9	5.07173	mg/L	0.035272	5.07173	mg/L	0.035272	0.70%
QC value within limits for Silicon,7440-21-3 Recovery = 101.43%								
Silver,7440-22-4†	69676.1	0.50793	mg/L	0.006324	0.50793	mg/L	0.006324	1.24%
QC value within limits for Silver,7440-22-4 Recovery = 101.59%								
Sodium,7440-23-5†	29596.1	19.3230	mg/L	0.05677	19.3230	mg/L	0.05677	0.29%
QC value within limits for Sodium,7440-23-5 Recovery = 96.61%								
Strontium,7440-24-6†	46978.9	0.48715	mg/L	0.006651	0.48715	mg/L	0.006651	1.37%
QC value within limits for Strontium,7440-24-6 Recovery = 97.43%								
Thallium,7440-28-0†	352.2	0.52148	mg/L	0.011229	0.52148	mg/L	0.011229	2.15%
QC value within limits for Thallium,7440-28-0 Recovery = 104.30%								
Tin,7440-31-5†	803.8	0.50956	mg/L	0.008186	0.50956	mg/L	0.008186	1.61%
QC value within limits for Tin,7440-31-5 Recovery = 101.91%								
Titanium,7440-32-6†	133824.0	0.51019	mg/L	0.001688	0.51019	mg/L	0.001688	0.33%
QC value within limits for Titanium,7440-32-6 Recovery = 102.04%								
Vanadium,7440-62-2†	32793.4	0.50554	mg/L	0.006958	0.50554	mg/L	0.006958	1.38%

169910

QC value within limits for Vanadium,7440-62-2 Recovery = 101.11%
Zinc,7440-66-6† 14903.4 0.51021 mg/L 0.005529 0.51021 mg/L 0.005529 1.08%
QC value within limits for Zinc,7440-66-6 Recovery = 102.04%
Zirconium,7440-67-7† 88311.8 0.50645 mg/L 0.006130 0.50645 mg/L 0.006130 1.21%
QC value within limits for Zirconium,7440-67-7 Recovery = 101.29%
All analyte(s) passed QC.

Sequence No.: 54 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 12/22/2007 8:38:41 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:42:12 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2077405.3	107.019	%	1.0499				0.98%
Yttrium,7440-65-5A	1196310.7	106.513	%	0.9847				0.92%
Yttrium,7440-65-5R	67093.1	112.075	%	0.9002				0.80%
Ar 420.067 R	969943.6	103.789	%	0.4236				0.41%
Ar 363.268 A	42322.5	101.234	%	0.3289				0.32%
Aluminum,7429-90-5†	22.1	0.11936	mg/L	0.061217	0.11936	mg/L	0.061217	51.29%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	2.0	0.00322	mg/L	0.007460	0.00322	mg/L	0.007460	231.87%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-1.2	-0.00254	mg/L	0.006646	-0.00254	mg/L	0.006646	261.45%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	-18.9	-0.00041	mg/L	0.000408	-0.00041	mg/L	0.000408	98.39%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-269.4	-0.00018	mg/L	0.000041	-0.00018	mg/L	0.000041	22.98%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	329.9	0.02926	mg/L	0.001583	0.02926	mg/L	0.001583	5.41%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	3.0	0.00008	mg/L	0.000199	0.00008	mg/L	0.000199	237.00%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-14.8	-0.01198	mg/L	0.013028	-0.01198	mg/L	0.013028	108.73%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-3.4	-0.00009	mg/L	0.001026	-0.00009	mg/L	0.001026	>999.9%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	4.6	0.00032	mg/L	0.001029	0.00032	mg/L	0.001029	317.78%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-40.6	-0.00037	mg/L	0.000643	-0.00037	mg/L	0.000643	176.16%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	-1.6	-0.00412	mg/L	0.003729	-0.00412	mg/L	0.003729	90.51%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-11.9	-0.00231	mg/L	0.000774	-0.00231	mg/L	0.000774	33.48%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-82.6	-0.00143	mg/L	0.001715	-0.00143	mg/L	0.001715	119.84%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	-1.4	-0.01643	mg/L	0.081386	-0.01643	mg/L	0.081386	495.30%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	66.1	0.00025	mg/L	0.000173	0.00025	mg/L	0.000173	69.28%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	-6.6	-0.00101	mg/L	0.001865	-0.00101	mg/L	0.001865	185.26%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	2.3	0.00011	mg/L	0.000233	0.00011	mg/L	0.000233	205.92%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	168.3	0.12507	mg/L	0.010598	0.12507	mg/L	0.010598	8.47%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	1.9	0.00395	mg/L	0.014351	0.00395	mg/L	0.014351	363.41%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	1.8	0.02904	mg/L	0.046849	0.02904	mg/L	0.046849	161.31%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	-262.5	-0.00191	mg/L	0.000970	-0.00191	mg/L	0.000970	50.77%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	-9.6	-0.00627	mg/L	0.017418	-0.00627	mg/L	0.017418	277.62%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	-51.2	-0.00053	mg/L	0.000393	-0.00053	mg/L	0.000393	73.97%

169911

QC value within limits for Strontium,7440-24-6 Recovery = Not calculated

Thallium,7440-28-0†	-0.8	-0.00118	mg/L	0.004850	-0.00118	mg/L	0.004850 411.09%

QC value within limits for Thallium,7440-28-0 Recovery = Not calculated

Tin,7440-31-5†	4.2	0.00265	mg/L	0.001789	0.00265	mg/L	0.001789 67.51%

QC value within limits for Tin,7440-31-5 Recovery = Not calculated

Titanium,7440-32-6†	-5.1	-0.00002	mg/L	0.000452	-0.00002	mg/L	0.000452 >999.9%

QC value within limits for Titanium,7440-32-6 Recovery = Not calculated

Vanadium,7440-62-2†	-80.1	-0.00124	mg/L	0.001681	-0.00124	mg/L	0.001681 135.97%

QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated

Zinc,7440-66-6†	-40.5	-0.00140	mg/L	0.000098	-0.00140	mg/L	0.000098 7.02%

QC value within limits for Zinc,7440-66-6 Recovery = Not calculated

Zirconium,7440-67-7†	-67.5	-0.00039	mg/L	0.000100	-0.00039	mg/L	0.000100 25.75%

QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 55
Sample ID: 558098
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 57
Date Collected: 12/22/2007 8:45:46 PM
Data Type: Reprocessed on 12/24/2007 11:42:14 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 558098

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2080898.6	107.198	%	0.6812				0.64%
Yttrium,7440-65-5A	1198304.6	106.690	%	0.6785				0.64%
Yttrium,7440-65-5R	67296.6	112.415	%	0.4348				0.39%
Ar 420.067 R	956295.2	102.328	%	0.8231				0.80%
Ar 363.268 A	42340.7	101.277	%	0.3992				0.39%
Aluminum,7429-90-5†	25.1	0.13534	mg/L	0.021093	5.41342	mg/kg	0.843712	15.59%
Antimony,7440-36-0†	1.5	0.00232	mg/L	0.001347	0.09278	mg/kg	0.053873	58.07%
Arsenic,7440-38-2†	1.0	0.00204	mg/L	0.003332	0.08180	mg/kg	0.133267	162.93%
Barium,7440-39-3†	9.2	0.00020	mg/L	0.000237	0.00812	mg/kg	0.009481	116.73%
Beryllium,7440-41-7†	-295.7	-0.00020	mg/L	0.000029	-0.00782	mg/kg	0.001177	15.05%
Boron,7440-42-8†	281.2	0.02495	mg/L	0.003789	0.99800	mg/kg	0.151572	15.19%
Cadmium,7440-43-9†	2.2	0.00006	mg/L	0.000040	0.00256	mg/kg	0.001612	62.96%
Calcium,7440-70-2†	142.0	0.11495	mg/L	0.004907	4.59785	mg/kg	0.196266	4.27%
Chromium,7440-47-3†	-23.9	-0.00060	mg/L	0.000456	-0.02404	mg/kg	0.018223	75.79%
Cobalt,7440-48-4†	0.5	0.00004	mg/L	0.000657	0.00145	mg/kg	0.026296	>999.9%
Copper,7440-50-8†	-404.6	-0.00365	mg/L	0.000720	-0.14591	mg/kg	0.028801	19.74%
Iron,7439-89-6†	6.7	0.01775	mg/L	0.003079	0.71000	mg/kg	0.123178	17.35%
Lead,7439-92-1†	-16.9	-0.00329	mg/L	0.002494	-0.13145	mg/kg	0.099767	75.90%
Lithium,7439-93-2†	-83.7	-0.00145	mg/L	0.001111	-0.05799	mg/kg	0.044448	76.65%
Magnesium,7439-95-4†	3.4	0.04160	mg/L	0.053826	1.66387	mg/kg	2.153046	129.40%
Manganese,7439-96-5†	139.0	0.00053	mg/L	0.000153	0.02101	mg/kg	0.006111	29.08%
Molybdenum,7439-98-7†	-2.9	-0.00043	mg/L	0.001526	-0.01731	mg/kg	0.061049	352.70%
Nickel,7440-02-0†	-29.8	-0.00147	mg/L	0.000346	-0.05882	mg/kg	0.013852	23.55%
Potassium,7440-09-7†	278.6	0.20702	mg/L	0.008095	8.28095	mg/kg	0.323819	3.91%
Selenium,7782-49-2†	-0.3	-0.00061	mg/L	0.004832	-0.02460	mg/kg	0.193275	785.73%
Silicon,7440-21-3†	-1.1	-0.01699	mg/L	0.058216	-0.67946	mg/kg	2.328629	342.72%
Silver,7440-22-4†	-571.1	-0.00416	mg/L	0.000962	-0.16628	mg/kg	0.038494	23.15%
Sodium,7440-23-5†	-125.7	-0.08208	mg/L	0.033934	-3.28307	mg/kg	1.357372	41.34%
Strontium,7440-24-6†	-66.8	-0.00069	mg/L	0.000280	-0.02777	mg/kg	0.011188	40.29%
Thallium,7440-28-0†	-0.0	-0.00006	mg/L	0.004533	-0.00224	mg/kg	0.181326	>999.9%
Tin,7440-31-5†	39.5	0.02496	mg/L	0.002167	0.99849	mg/kg	0.086660	8.68%
Titanium,7440-32-6†	229.2	0.00087	mg/L	0.000723	0.03496	mg/kg	0.028918	82.73%
Vanadium,7440-62-2†	-243.5	-0.00376	mg/L	0.000910	-0.15026	mg/kg	0.036403	24.23%
Zinc,7440-66-6†	301.1	0.01042	mg/L	0.000177	0.41660	mg/kg	0.007074	1.70%
Zirconium,7440-67-7†	-89.7	-0.00051	mg/L	0.000263	-0.02056	mg/kg	0.010537	51.25%

Sequence No.: 56
Sample ID: 558099
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 58
Date Collected: 12/22/2007 8:52:53 PM
Data Type: Reprocessed on 12/24/2007 11:42:18 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

169912

Mean Data: 558099

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Scandium-IS	2078648.3	107.083	%	0.3667				0.34%
Yttrium,7440-65-5A	1185199.7	105.523	%	0.4244				0.40%
Yttrium,7440-65-5R	66686.9	111.397	%	0.9806				0.88%
Ar 420.067 R	973943.0	104.217	%	0.5624				0.54%
Ar 363.268 A	42811.8	102.404	%	0.3862				0.38%
Aluminum,7429-90-5†	959.3	5.17160	mg/L	0.022058	206.864	mg/kg	0.8823	0.43%
Antimony,7440-36-0†	321.9	0.51654	mg/L	0.007109	20.6616	mg/kg	0.28437	1.38%
Arsenic,7440-38-2†	241.2	0.52527	mg/L	0.001039	21.0108	mg/kg	0.04157	0.20%
Barium,7440-39-3†	23290.3	0.51100	mg/L	0.004199	20.4401	mg/kg	0.16795	0.82%
Beryllium,7440-41-7†	788998.1	0.52508	mg/L	0.000104	21.0032	mg/kg	0.00417	0.02%
Boron,7440-42-8†	27200.3	2.41749	mg/L	0.020702	96.6996	mg/kg	0.82807	0.86%
Cadmium,7440-43-9†	18382.9	0.50876	mg/L	0.003062	20.3504	mg/kg	0.12249	0.60%
Calcium,7440-70-2†	6453.9	5.22125	mg/L	0.026546	208.850	mg/kg	1.0619	0.51%
Chromium,7440-47-3†	20730.2	0.51989	mg/L	0.003028	20.7954	mg/kg	0.12110	0.58%
Cobalt,7440-48-4†	7454.5	0.51816	mg/L	0.000724	20.7265	mg/kg	0.02895	0.14%
Copper,7440-50-8†	56975.4	0.51122	mg/L	0.003824	20.4487	mg/kg	0.15296	0.75%
Iron,7439-89-6†	1949.1	5.14295	mg/L	0.023691	205.718	mg/kg	0.9476	0.46%
Lead,7439-92-1†	2616.1	0.51591	mg/L	0.003466	20.6366	mg/kg	0.13862	0.67%
Lithium,7439-93-2†	29123.7	0.50449	mg/L	0.006398	20.1796	mg/kg	0.25591	1.27%
Magnesium,7439-95-4†	429.4	5.22157	mg/L	0.057230	208.863	mg/kg	2.2892	1.10%
Manganese,7439-96-5†	135999.7	0.51472	mg/L	0.003220	20.5887	mg/kg	0.12880	0.63%
Molybdenum,7439-98-7†	3340.6	0.50690	mg/L	0.001109	20.2759	mg/kg	0.04434	0.22%
Nickel,7440-02-0†	10603.9	0.52223	mg/L	0.002030	20.8892	mg/kg	0.08119	0.39%
Potassium,7440-09-7†	13653.7	10.1435	mg/L	0.02633	405.739	mg/kg	1.0532	0.26%
Selenium,7782-49-2†	239.5	0.50407	mg/L	0.008312	20.1626	mg/kg	0.33247	1.65%
Silicon,7440-21-3†	66.4	1.05183	mg/L	0.015512	42.0733	mg/kg	0.62048	1.47%
Silver,7440-22-4†	68818.4	0.50171	mg/L	0.002830	20.0683	mg/kg	0.11319	0.56%
Sodium,7440-23-5†	29943.4	19.5497	mg/L	0.04616	781.988	mg/kg	1.8463	0.24%
Strontium,7440-24-6†	47924.9	0.49697	mg/L	0.005284	19.8786	mg/kg	0.21134	1.06%
Thallium,7440-28-0†	351.9	0.52114	mg/L	0.002095	20.8456	mg/kg	0.08381	0.40%
Tin,7440-31-5†	885.3	0.56106	mg/L	0.005253	22.4425	mg/kg	0.21010	0.94%
Titanium,7440-32-6†	136436.3	0.52015	mg/L	0.001319	20.8062	mg/kg	0.05277	0.25%
Vanadium,7440-62-2†	33122.4	0.51061	mg/L	0.003437	20.4243	mg/kg	0.13747	0.67%
Zinc,7440-66-6†	14836.9	0.50785	mg/L	0.002904	20.3139	mg/kg	0.11615	0.57%
Zirconium,7440-67-7†	46.6	-0.00021	mg/L	0.000369	-0.00846	mg/kg	0.014775	174.62%

Sequence No.: 57
Sample ID: 20712202001
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 59
Date Collected: 12/22/2007 9:00:02 PM
Data Type: Reprocessed on 12/24/2007 11:42:20 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20712202001

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Scandium-IS	1926930.0	99.2667	%	0.71307				0.72%
Yttrium,7440-65-5A	1163171.9	103.562	%	0.6379				0.62%
Yttrium,7440-65-5R	66835.8	111.645	%	5.0526				4.53%
Ar 420.067 R	920912.0	98.5422	%	0.52981				0.54%
Ar 363.268 A	40849.5	97.7104	%	0.41602				0.43%
Aluminum,7429-90-5†	46682.0	252.060	mg/L	16.2600	10082.4	mg/kg	650.40	6.45%
Antimony,7440-36-0†	24.0	0.08684	mg/L	0.004547	3.47356	mg/kg	0.181892	5.24%
Arsenic,7440-38-2†	-61.8	-0.07490	mg/L	0.004551	-2.99595	mg/kg	0.182024	6.08%
Barium,7440-39-3†	89925.6	1.94433	mg/L	0.012060	77.7733	mg/kg	0.48240	0.62%
Beryllium,7440-41-7†	24268.3	0.01430	mg/L	0.000090	0.57194	mg/kg	0.003608	0.63%
Boron,7440-42-8†	1141.0	0.23989	mg/L	0.012788	9.59575	mg/kg	0.511501	5.33%
Cadmium,7440-43-9†	528.0	0.00161	mg/L	0.000594	0.06433	mg/kg	0.023779	36.96%
Calcium,7440-70-2†	1154248.5	934.094	mg/L	57.5723	37363.8	mg/kg	2302.89	6.16%
Chromium,7440-47-3†	11292.9	0.27787	mg/L	0.001800	11.1146	mg/kg	0.07199	0.65%
Cobalt,7440-48-4†	2549.5	0.15414	mg/L	0.003582	6.16571	mg/kg	0.143264	2.32%
Copper,7440-50-8†	26900.2	0.18381	mg/L	0.003640	7.35257	mg/kg	0.145598	1.98%
Iron,7439-89-6†	117188.0	309.321	mg/L	19.9406	12372.9	mg/kg	797.63	6.45%
Lead,7439-92-1†	842.2	0.21876	mg/L	0.004755	8.75037	mg/kg	0.190207	2.17%
Lithium,7439-93-2†	20771.3	0.35801	mg/L	0.022244	14.3205	mg/kg	0.88976	6.21%

169913

Magnesium,7439-95-4†	16967.8	206.329	mg/L	12.4939	8253.16	mg/kg	499.756	6.06%
Manganese,7439-96-5†	3282679.6	12.4296	mg/L	0.15105	497.182	mg/kg	6.0420	1.22%
Molybdenum,7439-98-7†	-15.0	-0.00609	mg/L	0.001028	-0.24361	mg/kg	0.041114	16.88%
Nickel,7440-02-0†	6794.2	0.31684	mg/L	0.004011	12.6737	mg/kg	0.16045	1.27%
Potassium,7440-09-7†	105247.8	78.2362	mg/L	4.71773	3129.45	mg/kg	188.709	6.03%
Selenium,7782-49-2†	-47.0	-0.05856	mg/L	0.013613	-2.34239	mg/kg	0.544527	23.25%
Silicon,7440-21-3†	910.3	14.6384	mg/L	0.94725	585.536	mg/kg	37.8900	6.47%
Silver,7440-22-4†	-3677.6	-0.04246	mg/L	0.001782	-1.69838	mg/kg	0.071299	4.20%
Sodium,7440-23-5†	262651.4	171.333	mg/L	9.2928	6853.31	mg/kg	371.711	5.42%
Strontium,7440-24-6†	155170.0	1.58279	mg/L	0.093538	63.3114	mg/kg	3.74152	5.91%
Thallium,7440-28-0†	-31.6	-0.03241	mg/L	0.011973	-1.29634	mg/kg	0.478935	36.95%
Tin,7440-31-5†	-207.7	-0.12274	mg/L	0.004340	-4.90942	mg/kg	0.173613	3.54%
Titanium,7440-32-6†	151527.6	0.57435	mg/L	0.007389	22.9740	mg/kg	0.29554	1.29%
Vanadium,7440-62-2†	33123.3	0.48851	mg/L	0.004733	19.5405	mg/kg	0.18932	0.97%
Zinc,7440-66-6†	20892.3	0.67091	mg/L	0.004614	26.8365	mg/kg	0.18455	0.69%
Zirconium,7440-67-7†	22615.4	0.12117	mg/L	0.001212	4.84699	mg/kg	0.048493	1.00%

Sequence No.: 58
Sample ID: 20712202002
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 60
Date Collected: 12/22/2007 9:07:04 PM
Data Type: Reprocessed on 12/24/2007 11:42:21 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20712202002

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	1949292.9	100.419	%	0.5293				0.53%
Yttrium,7440-65-5A	1169738.0	104.147	%	0.5035				0.48%
Yttrium,7440-65-5R	69152.8	115.516	%	0.8823				0.76%
Ar 420.067 R	937085.7	100.273	%	0.4870				0.49%
Ar 363.268 A	40903.1	97.8385	%	0.54569				0.56%
Aluminum,7429-90-5†	67319.8	363.505	mg/L	0.9494	14540.2	mg/kg	37.98	0.26%
Antimony,7440-36-0†	133.1	0.27166	mg/L	0.000766	10.8663	mg/kg	0.03062	0.28%
Arsenic,7440-38-2†	146.2	0.39887	mg/L	0.016193	15.9546	mg/kg	0.64773	4.06%
Barium,7440-39-3†	135473.8	2.94281	mg/L	0.039834	117.713	mg/kg	1.5933	1.35%
Beryllium,7440-41-7†	769835.8	0.51049	mg/L	0.000830	20.4197	mg/kg	0.03321	0.16%
Boron,7440-42-8†	24038.2	2.28229	mg/L	0.027562	91.2915	mg/kg	1.10247	1.21%
Cadmium,7440-43-9†	16185.8	0.43417	mg/L	0.003476	17.3669	mg/kg	0.13904	0.80%
Calcium,7440-70-2†	1043883.4	844.765	mg/L	0.8317	33790.6	mg/kg	33.27	0.10%
Chromium,7440-47-3†	33021.6	0.82188	mg/L	0.011702	32.8752	mg/kg	0.46806	1.42%
Cobalt,7440-48-4†	8872.2	0.59040	mg/L	0.004209	23.6158	mg/kg	0.16835	0.71%
Copper,7440-50-8†	81599.7	0.67181	mg/L	0.009189	26.8725	mg/kg	0.36758	1.37%
Iron,7439-89-6†	134209.8	354.250	mg/L	0.1592	14170.0	mg/kg	6.37	0.04%
Lead,7439-92-1†	2983.0	0.66353	mg/L	0.005390	26.5413	mg/kg	0.21560	0.81%
Lithium,7439-93-2†	50568.2	0.87404	mg/L	0.001324	34.9615	mg/kg	0.05295	0.15%
Magnesium,7439-95-4†	18315.0	222.729	mg/L	2.2419	8909.18	mg/kg	89.675	1.01%
Manganese,7439-96-5†	3098915.7	11.7306	mg/L	0.03228	469.222	mg/kg	1.2913	0.28%
Molybdenum,7439-98-7†	2491.5	0.37620	mg/L	0.000846	15.0481	mg/kg	0.03385	0.22%
Nickel,7440-02-0†	15458.1	0.74212	mg/L	0.005126	29.6850	mg/kg	0.20505	0.69%
Potassium,7440-09-7†	153776.3	114.303	mg/L	0.4466	4572.14	mg/kg	17.866	0.39%
Selenium,7782-49-2†	181.8	0.42659	mg/L	0.008333	17.0635	mg/kg	0.33333	1.95%
Silicon,7440-21-3†	1236.6	19.8726	mg/L	0.21384	794.902	mg/kg	8.5535	1.08%
Silver,7440-22-4†	63562.1	0.45025	mg/L	0.006614	18.0099	mg/kg	0.26455	1.47%
Sodium,7440-23-5†	276537.2	180.395	mg/L	0.4977	7215.79	mg/kg	19.907	0.28%
Strontium,7440-24-6†	187254.7	1.91772	mg/L	0.003259	76.7088	mg/kg	0.13038	0.17%
Thallium,7440-28-0†	263.4	0.41317	mg/L	0.008632	16.5269	mg/kg	0.34529	2.09%
Tin,7440-31-5†	564.2	0.36512	mg/L	0.002270	14.6046	mg/kg	0.09082	0.62%
Titanium,7440-32-6†	337538.9	1.28314	mg/L	0.014862	51.3255	mg/kg	0.59447	1.16%
Vanadium,7440-62-2†	70343.3	1.05944	mg/L	0.015034	42.3775	mg/kg	0.60135	1.42%
Zinc,7440-66-6†	37854.8	1.24816	mg/L	0.014047	49.9265	mg/kg	0.56187	1.13%
Zirconium,7440-67-7†	39822.8	0.21917	mg/L	0.003930	8.76669	mg/kg	0.157197	1.79%

Sequence No.: 59
Sample ID: 20712202003
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g

Autosampler Location: 61
Date Collected: 12/22/2007 9:14:10 PM
Data Type: Reprocessed on 12/24/2007 11:42:23 AM
Initial Sample Vol:

169914

Dilution: 1X Sample Prep Vol: 50 mL

Mean Data: 20712202003

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	1927434.9	99.2927	%	0.53962				0.54%
Yttrium,7440-65-5A	1151058.3	102.484	%	0.5611				0.55%
Yttrium,7440-65-5R	67713.3	113.111	%	1.3493				1.19%
Ar 420.067 R	919333.5	98.3733	%	0.39201				0.40%
Ar 363.268 A	41222.8	98.6032	%	0.47953				0.49%
Aluminum,7429-90-5†	69335.4	374.401	mg/L	0.7120	14976.0	mg/kg	28.48	0.19%
Antimony,7440-36-0†	139.8	0.27984	mg/L	0.015830	11.1936	mg/kg	0.63321	5.66%
Arsenic,7440-38-2†	138.6	0.38256	mg/L	0.007751	15.3023	mg/kg	0.31006	2.03%
Barium,7440-39-3†	120881.5	2.62479	mg/L	0.006488	104.991	mg/kg	0.2595	0.25%
Beryllium,7440-41-7†	784975.6	0.52107	mg/L	0.000099	20.8428	mg/kg	0.00395	0.02%
Boron,7440-42-8†	25511.5	2.39464	mg/L	0.008220	95.7857	mg/kg	0.32880	0.34%
Cadmium,7440-43-9†	16674.4	0.44953	mg/L	0.005465	17.9814	mg/kg	0.21860	1.22%
Calcium,7440-70-2†	946422.1	765.895	mg/L	0.7734	30635.8	mg/kg	30.94	0.10%
Chromium,7440-47-3†	34164.3	0.85338	mg/L	0.000595	34.1352	mg/kg	0.02379	0.07%
Cobalt,7440-48-4†	8349.4	0.55580	mg/L	0.004777	22.2321	mg/kg	0.19108	0.86%
Copper,7440-50-8†	81811.1	0.68268	mg/L	0.000567	27.3073	mg/kg	0.02268	0.08%
Iron,7439-89-6†	127166.8	335.661	mg/L	0.3209	13426.5	mg/kg	12.84	0.10%
Lead,7439-92-1†	2908.0	0.65205	mg/L	0.009761	26.0818	mg/kg	0.39045	1.50%
Lithium,7439-93-2†	51046.6	0.88255	mg/L	0.002755	35.3021	mg/kg	0.11019	0.31%
Magnesium,7439-95-4†	18044.6	219.441	mg/L	3.1117	8777.64	mg/kg	124.470	1.42%
Manganese,7439-96-5†	1811510.6	6.85168	mg/L	0.012142	274.067	mg/kg	0.4857	0.18%
Molybdenum,7439-98-7†	2657.6	0.40293	mg/L	0.006114	16.1170	mg/kg	0.24455	1.52%
Nickel,7440-02-0†	15339.1	0.73923	mg/L	0.007654	29.5694	mg/kg	0.30615	1.04%
Potassium,7440-09-7†	154856.8	115.110	mg/L	0.6309	4604.41	mg/kg	25.235	0.55%
Selenium,7782-49-2†	188.3	0.43960	mg/L	0.008410	17.5842	mg/kg	0.33640	1.91%
Silicon,7440-21-3†	978.0	15.7046	mg/L	0.28239	628.184	mg/kg	11.2956	1.80%
Silver,7440-22-4†	66132.7	0.47037	mg/L	0.000435	18.8150	mg/kg	0.01742	0.09%
Sodium,7440-23-5†	281808.5	183.812	mg/L	0.3785	7352.50	mg/kg	15.142	0.21%
Strontium,7440-24-6†	177364.1	1.81750	mg/L	0.004556	72.6998	mg/kg	0.18224	0.25%
Thallium,7440-28-0†	267.0	0.42282	mg/L	0.017087	16.9127	mg/kg	0.68347	4.04%
Tin,7440-31-5†	592.6	0.38234	mg/L	0.007865	15.2937	mg/kg	0.31459	2.06%
Titanium,7440-32-6†	358297.7	1.36255	mg/L	0.004461	54.5020	mg/kg	0.17845	0.33%
Vanadium,7440-62-2†	67735.0	1.02099	mg/L	0.000681	40.8395	mg/kg	0.02724	0.07%
Zinc,7440-66-6†	38299.1	1.26673	mg/L	0.006048	50.6693	mg/kg	0.24191	0.48%
Zirconium,7440-67-7†	42950.4	0.23879	mg/L	0.000333	9.55166	mg/kg	0.013310	0.14%

Sequence No.: 60 Autosampler Location: 62
Sample ID: 558964 Date Collected: 12/22/2007 9:21:03 PM
Analyst: Data Type: Reprocessed on 12/24/2007 11:42:24 AM
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 50 mL

Mean Data: 558964

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	1951845.0	100.550	%	0.2194				0.22%
Yttrium,7440-65-5A	1178932.8	104.965	%	0.2434				0.23%
Yttrium,7440-65-5R	69414.9	115.953	%	0.8488				0.73%
Ar 420.067 R	929305.0	99.4403	%	0.34999				0.35%
Ar 363.268 A	41024.1	98.1280	%	0.45084				0.46%
Aluminum,7429-90-5†	46166.8	249.270	mg/L	0.0436	9970.80	mg/kg	1.743	0.02%
Antimony,7440-36-0†	390.5	0.67324	mg/L	0.006077	26.9294	mg/kg	0.24308	0.90%
Arsenic,7440-38-2†	164.9	0.41691	mg/L	0.004371	16.6765	mg/kg	0.17484	1.05%
Barium,7440-39-3†	109437.8	2.37300	mg/L	0.017771	94.9198	mg/kg	0.71084	0.75%
Beryllium,7440-41-7†	745062.8	0.49399	mg/L	0.000537	19.7596	mg/kg	0.02147	0.11%
Boron,7440-42-8†	35124.4	3.25655	mg/L	0.031051	130.262	mg/kg	1.2421	0.95%
Cadmium,7440-43-9†	15692.2	0.42144	mg/L	0.003225	16.8574	mg/kg	0.12902	0.77%
Calcium,7440-70-2†	1135765.4	919.135	mg/L	2.1628	36765.4	mg/kg	86.51	0.24%
Chromium,7440-47-3†	28922.8	0.72004	mg/L	0.002971	28.8017	mg/kg	0.11884	0.41%
Cobalt,7440-48-4†	8636.9	0.57724	mg/L	0.002242	23.0895	mg/kg	0.08967	0.39%
Copper,7440-50-8†	78460.4	0.64721	mg/L	0.004831	25.8882	mg/kg	0.19322	0.75%
Iron,7439-89-6†	116700.8	308.033	mg/L	0.4400	12321.3	mg/kg	17.60	0.14%

169915

Lead,7439-92-1†	3031.4	0.64877 mg/L	0.001096	25.9507 mg/kg	0.04383	0.17%
Lithium,7439-93-2†	46560.9	0.80477 mg/L	0.001288	32.1910 mg/kg	0.05153	0.16%
Magnesium,7439-95-4†	17266.8	209.963 mg/L	2.1990	8398.51 mg/kg	87.960	1.05%
Manganese,7439-96-5†	3389206.4	12.8329 mg/L	0.01925	513.315 mg/kg	0.7698	0.15%
Molybdenum,7439-98-7†	3711.8	0.55946 mg/L	0.003695	22.3783 mg/kg	0.14779	0.66%
Nickel,7440-02-0†	15281.3	0.73494 mg/L	0.003013	29.3977 mg/kg	0.12054	0.41%
Potassium,7440-09-7†	121060.3	89.9830 mg/L	0.16813	3599.32 mg/kg	6.725	0.19%
Selenium,7782-49-2†	187.5	0.43425 mg/L	0.013016	17.3701 mg/kg	0.52065	3.00%
Silicon,7440-21-3†	1425.0	22.9094 mg/L	0.22347	916.374 mg/kg	8.9389	0.98%
Silver,7440-22-4†	60884.9	0.42876 mg/L	0.002730	17.1504 mg/kg	0.10918	0.64%
Sodium,7440-23-5†	281169.2	183.429 mg/L	0.1559	7337.14 mg/kg	6.235	0.08%
Strontium,7440-24-6†	186094.1	1.90390 mg/L	0.002065	76.1562 mg/kg	0.08261	0.11%
Thallium,7440-28-0†	262.3	0.40484 mg/L	0.013326	16.1937 mg/kg	0.53305	3.29%
Tin,7440-31-5†	719.8	0.46516 mg/L	0.004156	18.6064 mg/kg	0.16623	0.89%
Titanium,7440-32-6†	307435.4	1.16883 mg/L	0.003955	46.7534 mg/kg	0.15820	0.34%
Vanadium,7440-62-2†	62398.7	0.94029 mg/L	0.006403	37.6115 mg/kg	0.25611	0.68%
Zinc,7440-66-6†	33469.3	1.10241 mg/L	0.008250	44.0965 mg/kg	0.33001	0.75%
Zirconium,7440-67-7†	22643.2	0.12103 mg/L	0.001320	4.84115 mg/kg	0.052806	1.09%

Sequence No.: 61
Sample ID: 558965
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 5X

Autosampler Location: 63
Date Collected: 12/22/2007 9:28:11 PM
Data Type: Reprocessed on 12/24/2007 11:42:26 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 558965

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	2033390.2	104.751	%	1.2638				1.21%
Yttrium,7440-65-5A	1172797.2	104.419	%	1.0462				1.00%
Yttrium,7440-65-5R	66117.9	110.446	%	0.4330				0.39%
Ar 420.067 R	931410.8	99.6657	%	0.22767				0.23%
Ar 363.268 A	42461.6	101.566	%	0.3308				0.33%
Aluminum,7429-90-5†	9968.4	53.8241	mg/L	0.26733	10764.8	mg/kg	53.47	0.50%
Antimony,7440-36-0†	5.4	0.01929	mg/L	0.009079	3.85837	mg/kg	1.815900	47.06%
Arsenic,7440-38-2†	-11.2	-0.01187	mg/L	0.005314	-2.37423	mg/kg	1.062822	44.76%
Barium,7440-39-3†	19697.4	0.42589	mg/L	0.006974	85.1772	mg/kg	1.39476	1.64%
Beryllium,7440-41-7†	5197.6	0.00305	mg/L	0.000071	0.60936	mg/kg	0.014262	2.34%
Boron,7440-42-8†	616.2	0.08525	mg/L	0.007642	17.0504	mg/kg	1.52836	8.96%
Cadmium,7440-43-9†	108.3	0.00012	mg/L	0.000102	0.02438	mg/kg	0.020362	83.53%
Calcium,7440-70-2†	250537.0	202.751	mg/L	0.4624	40550.2	mg/kg	92.48	0.23%
Chromium,7440-47-3†	2490.9	0.06132	mg/L	0.001054	12.2630	mg/kg	0.21079	1.72%
Cobalt,7440-48-4†	586.3	0.03569	mg/L	0.001305	7.13743	mg/kg	0.260934	3.66%
Copper,7440-50-8†	5914.5	0.04032	mg/L	0.001421	8.06332	mg/kg	0.284239	3.53%
Iron,7439-89-6†	25734.0	67.9256	mg/L	0.22537	13585.1	mg/kg	45.07	0.33%
Lead,7439-92-1†	146.5	0.04007	mg/L	0.000545	8.01401	mg/kg	0.108931	1.36%
Lithium,7439-93-2†	4755.3	0.08198	mg/L	0.001273	16.3952	mg/kg	0.25466	1.55%
Magnesium,7439-95-4†	3857.5	46.9058	mg/L	0.29902	9381.17	mg/kg	59.803	0.64%
Manganese,7439-96-5†	736104.8	2.78725	mg/L	0.028905	557.449	mg/kg	5.7809	1.04%
Molybdenum,7439-98-7†	-4.4	-0.00153	mg/L	0.002834	-0.30621	mg/kg	0.566824	185.11%
Nickel,7440-02-0†	1514.1	0.07064	mg/L	0.000673	14.1282	mg/kg	0.13468	0.95%
Potassium,7440-09-7†	21203.7	15.7623	mg/L	0.09504	3152.46	mg/kg	19.009	0.60%
Selenium,7782-49-2†	-8.4	-0.00886	mg/L	0.009571	-1.77237	mg/kg	1.914228	108.00%
Silicon,7440-21-3†	217.5	3.49768	mg/L	0.054056	699.536	mg/kg	10.8112	1.55%
Silver,7440-22-4†	-858.2	-0.00964	mg/L	0.000363	-1.92745	mg/kg	0.072546	3.76%
Sodium,7440-23-5†	54495.2	35.5480	mg/L	0.10173	7109.60	mg/kg	20.346	0.29%
Strontium,7440-24-6†	31753.9	0.32355	mg/L	0.001197	64.7098	mg/kg	0.23942	0.37%
Thallium,7440-28-0†	-4.8	-0.00426	mg/L	0.012243	-0.85172	mg/kg	2.448681	287.50%
Tin,7440-31-5†	-154.5	-0.09573	mg/L	0.003036	-19.1457	mg/kg	0.60727	3.17%
Titanium,7440-32-6†	33685.4	0.12769	mg/L	0.002321	25.5381	mg/kg	0.46429	1.82%
Vanadium,7440-62-2†	6905.4	0.10161	mg/L	0.002243	20.3223	mg/kg	0.44859	2.21%
Zinc,7440-66-6†	4394.3	0.14058	mg/L	0.002205	28.1162	mg/kg	0.44097	1.57%
Zirconium,7440-67-7†	4560.2	0.02426	mg/L	0.000349	4.85279	mg/kg	0.069790	1.44%

Sequence No.: 62
Sample ID: 20712202004
Analyst:

Autosampler Location: 64
Date Collected: 12/22/2007 9:35:22 PM
Data Type: Reprocessed on 12/24/2007 11:42:28 AM

169916

Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20712202004

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2079264.3	107.114	%	0.6379				0.60%
Yttrium,7440-65-5A	1241079.2	110.499	%	0.7111				0.64%
Yttrium,7440-65-5R	70075.5	117.057	%	0.8407				0.72%
Ar 420.067 R	952611.5	101.934	%	0.3949				0.39%
Ar 363.268 A	42218.5	100.985	%	0.1222				0.12%
Aluminum,7429-90-5†	31261.3	168.815	mg/L	0.2240	6698.99	mg/kg	8.888	0.13%
Antimony,7440-36-0†	10.5	0.04321	mg/L	0.008689	1.71487	mg/kg	0.344816	20.11%
Arsenic,7440-38-2†	-34.1	-0.03900	mg/L	0.008020	-1.54777	mg/kg	0.318271	20.56%
Barium,7440-39-3†	24126.3	0.51784	mg/L	0.003565	20.5492	mg/kg	0.14147	0.69%
Beryllium,7440-41-7†	15198.5	0.00962	mg/L	0.000060	0.38168	mg/kg	0.002395	0.63%
Boron,7440-42-8†	3218.4	0.33871	mg/L	0.001485	13.4407	mg/kg	0.05895	0.44%
Cadmium,7440-43-9†	273.7	0.00213	mg/L	0.000123	0.08450	mg/kg	0.004873	5.77%
Calcium,7440-70-2†	38071.7	30.7821	mg/L	0.05910	1221.51	mg/kg	2.345	0.19%
Chromium,7440-47-3†	7805.8	0.19589	mg/L	0.000950	7.77355	mg/kg	0.037697	0.48%
Cobalt,7440-48-4†	992.9	0.05741	mg/L	0.000280	2.27829	mg/kg	0.011117	0.49%
Copper,7440-50-8†	19619.7	0.15490	mg/L	0.000845	6.14674	mg/kg	0.033543	0.55%
Iron,7439-89-6†	61251.7	161.680	mg/L	0.3548	6415.88	mg/kg	14.080	0.22%
Lead,7439-92-1†	1106.9	0.25085	mg/L	0.002100	9.95451	mg/kg	0.083323	0.84%
Lithium,7439-93-2†	10669.1	0.18405	mg/L	0.001989	7.30377	mg/kg	0.078946	1.08%
Magnesium,7439-95-4†	8023.3	97.5830	mg/L	0.79503	3872.34	mg/kg	31.549	0.81%
Manganese,7439-96-5†	290475.0	1.09444	mg/L	0.006962	43.4300	mg/kg	0.27627	0.64%
Molybdenum,7439-98-7†	43.9	0.00785	mg/L	0.001024	0.31151	mg/kg	0.040625	13.04%
Nickel,7440-02-0†	3943.0	0.18746	mg/L	0.001278	7.43894	mg/kg	0.050726	0.68%
Potassium,7440-09-7†	93694.7	69.6414	mg/L	0.16802	2763.55	mg/kg	6.667	0.24%
Selenium,7782-49-2†	-16.4	-0.01306	mg/L	0.007309	-0.51819	mg/kg	0.290033	55.97%
Silicon,7440-21-3†	735.1	11.8277	mg/L	0.10224	469.351	mg/kg	4.0572	0.86%
Silver,7440-22-4†	-2383.1	-0.01600	mg/L	0.000490	-0.63484	mg/kg	0.019455	3.06%
Sodium,7440-23-5†	209194.9	136.512	mg/L	0.9524	5417.16	mg/kg	37.794	0.70%
Strontium,7440-24-6†	43771.7	0.45246	mg/L	0.000580	17.9549	mg/kg	0.02301	0.13%
Thallium,7440-28-0†	-25.4	-0.02340	mg/L	0.004629	-0.92851	mg/kg	0.183686	19.78%
Tin,7440-31-5†	-25.7	-0.01705	mg/L	0.003884	-0.67643	mg/kg	0.154126	22.79%
Titanium,7440-32-6†	120992.8	0.45962	mg/L	0.001483	18.2390	mg/kg	0.05886	0.32%
Vanadium,7440-62-2†	20447.0	0.30394	mg/L	0.002190	12.0612	mg/kg	0.08691	0.72%
Zinc,7440-66-6†	34431.1	1.16529	mg/L	0.010415	46.2415	mg/kg	0.41331	0.89%
Zirconium,7440-67-7†	23322.4	0.13085	mg/L	0.000823	5.19246	mg/kg	0.032648	0.63%

Sequence No.: 63
Sample ID: ---
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 65
Date Collected: 12/22/2007 9:42:32 PM
Data Type: Reprocessed on 12/24/2007 11:42:32 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2167607.8	111.665	%	0.7661				0.69%
Yttrium,7440-65-5A	1252820.8	111.544	%	0.7246				0.65%
Yttrium,7440-65-5R	68804.8	114.934	%	0.5212				0.45%
Ar 420.067 R	960050.9	102.730	%	0.2437				0.24%
Ar 363.268 A	42970.7	102.784	%	0.2743				0.27%
Aluminum,7429-90-5†	37.7	0.20349	mg/L	0.019196	0.20349	mg/L	0.019196	9.43%
Antimony,7440-36-0†	1.2	0.00188	mg/L	0.007443	0.00188	mg/L	0.007443	396.90%
Arsenic,7440-38-2†	-1.2	-0.00254	mg/L	0.004715	-0.00254	mg/L	0.004715	185.41%
Barium,7440-39-3†	-18.8	-0.00041	mg/L	0.000104	-0.00041	mg/L	0.000104	25.25%
Beryllium,7440-41-7†	-487.8	-0.00032	mg/L	0.000047	-0.00032	mg/L	0.000047	14.56%
Boron,7440-42-8†	177.6	0.01575	mg/L	0.002355	0.01575	mg/L	0.002355	14.95%
Cadmium,7440-43-9†	3.4	0.00010	mg/L	0.000255	0.00010	mg/L	0.000255	263.99%
Calcium,7440-70-2†	-32.0	-0.02591	mg/L	0.006201	-0.02591	mg/L	0.006201	23.93%
Chromium,7440-47-3†	-31.0	-0.00078	mg/L	0.000293	-0.00078	mg/L	0.000293	37.59%
Cobalt,7440-48-4†	7.5	0.00052	mg/L	0.000363	0.00052	mg/L	0.000363	69.63%

169917

Copper,7440-50-8†	-414.3	-0.00374 mg/L	0.000265	-0.00374 mg/L	0.000265	7.08%
Iron,7439-89-6†	7.3	0.01924 mg/L	0.011098	0.01924 mg/L	0.011098	57.69%
Lead,7439-92-1†	-10.6	-0.00204 mg/L	0.000829	-0.00204 mg/L	0.000829	40.58%
Lithium,7439-93-2†	-155.7	-0.00270 mg/L	0.001048	-0.00270 mg/L	0.001048	38.84%
Magnesium,7439-95-4†	9.8	0.11927 mg/L	0.089901	0.11927 mg/L	0.089901	75.38%
Manganese,7439-96-5†	-69.0	-0.00026 mg/L	0.000075	-0.00026 mg/L	0.000075	28.51%
Molybdenum,7439-98-7†	-2.3	-0.00035 mg/L	0.001455	-0.00035 mg/L	0.001455	419.57%
Nickel,7440-02-0†	-8.2	-0.00041 mg/L	0.000455	-0.00041 mg/L	0.000455	111.92%
Potassium,7440-09-7†	520.8	0.38699 mg/L	0.017642	0.38699 mg/L	0.017642	4.56%
Selenium,7782-49-2†	2.7	0.00563 mg/L	0.010507	0.00563 mg/L	0.010507	186.55%
Silicon,7440-21-3†	0.3	0.00526 mg/L	0.026661	0.00526 mg/L	0.026661	506.88%
Silver,7440-22-4†	-493.1	-0.00359 mg/L	0.000814	-0.00359 mg/L	0.000814	22.69%
Sodium,7440-23-5†	415.9	0.27140 mg/L	0.004950	0.27140 mg/L	0.004950	1.82%
Strontium,7440-24-6†	-103.1	-0.00107 mg/L	0.000603	-0.00107 mg/L	0.000603	56.53%
Thallium,7440-28-0†	1.2	0.00171 mg/L	0.003294	0.00171 mg/L	0.003294	192.50%
Tin,7440-31-5†	-1.6	-0.00102 mg/L	0.000160	-0.00102 mg/L	0.000160	15.69%
Titanium,7440-32-6†	13.8	0.00005 mg/L	0.001035	0.00005 mg/L	0.001035	>999.9%
Vanadium,7440-62-2†	-262.1	-0.00404 mg/L	0.001741	-0.00404 mg/L	0.001741	43.04%
Zinc,7440-66-6†	-72.8	-0.00252 mg/L	0.000060	-0.00252 mg/L	0.000060	2.38%
Zirconium,7440-67-7†	-84.8	-0.00049 mg/L	0.000437	-0.00049 mg/L	0.000437	89.96%

Sequence No.: 64 **Autosampler Location: 66**
Sample ID: --- **Date Collected: 12/22/2007 9:49:40 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:42:33 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2147772.1	110.643	%	0.4807				0.43%
Yttrium,7440-65-5A	1239062.2	110.319	%	0.5297				0.48%
Yttrium,7440-65-5R	69068.4	115.375	%	0.7227				0.63%
Ar 420.067 R	962455.1	102.988	%	0.4982				0.48%
Ar 363.268 A	42775.2	102.317	%	0.0685				0.07%
Aluminum,7429-90-5†	38.8	0.20972	mg/L	0.007955	0.20972	mg/L	0.007955	3.79%
Antimony,7440-36-0†	3.3	0.00517	mg/L	0.005731	0.00517	mg/L	0.005731	110.79%
Arsenic,7440-38-2†	-2.5	-0.00540	mg/L	0.009892	-0.00540	mg/L	0.009892	183.29%
Barium,7440-39-3†	-13.9	-0.00030	mg/L	0.000053	-0.00030	mg/L	0.000053	17.39%
Beryllium,7440-41-7†	-351.9	-0.00023	mg/L	0.000040	-0.00023	mg/L	0.000040	17.27%
Boron,7440-42-8†	181.2	0.01607	mg/L	0.003509	0.01607	mg/L	0.003509	21.84%
Cadmium,7440-43-9†	6.0	0.00017	mg/L	0.000061	0.00017	mg/L	0.000061	35.73%
Calcium,7440-70-2†	-42.3	-0.03426	mg/L	0.004376	-0.03426	mg/L	0.004376	12.77%
Chromium,7440-47-3†	-57.4	-0.00144	mg/L	0.000322	-0.00144	mg/L	0.000322	22.28%
Cobalt,7440-48-4†	8.2	0.00057	mg/L	0.000131	0.00057	mg/L	0.000131	22.87%
Copper,7440-50-8†	-503.0	-0.00453	mg/L	0.000306	-0.00453	mg/L	0.000306	6.75%
Iron,7439-89-6†	7.9	0.02092	mg/L	0.004093	0.02092	mg/L	0.004093	19.56%
Lead,7439-92-1†	-16.4	-0.00317	mg/L	0.001652	-0.00317	mg/L	0.001652	52.07%
Lithium,7439-93-2†	-155.3	-0.00269	mg/L	0.001248	-0.00269	mg/L	0.001248	46.38%
Magnesium,7439-95-4†	5.7	0.06947	mg/L	0.008867	0.06947	mg/L	0.008867	12.76%
Manganese,7439-96-5†	22.4	0.00008	mg/L	0.000133	0.00008	mg/L	0.000133	161.09%
Molybdenum,7439-98-7†	-1.7	-0.00026	mg/L	0.000853	-0.00026	mg/L	0.000853	328.62%
Nickel,7440-02-0†	-21.7	-0.00107	mg/L	0.000348	-0.00107	mg/L	0.000348	32.45%
Potassium,7440-09-7†	375.2	0.27879	mg/L	0.013545	0.27879	mg/L	0.013545	4.86%
Selenium,7782-49-2†	-1.0	-0.00213	mg/L	0.007853	-0.00213	mg/L	0.007853	369.24%
Silicon,7440-21-3†	0.0	0.00060	mg/L	0.015137	0.00060	mg/L	0.015137	>999.9%
Silver,7440-22-4†	-586.5	-0.00427	mg/L	0.000322	-0.00427	mg/L	0.000322	7.55%
Sodium,7440-23-5†	227.9	0.14874	mg/L	0.011658	0.14874	mg/L	0.011658	7.84%
Strontium,7440-24-6†	-73.8	-0.00076	mg/L	0.000460	-0.00076	mg/L	0.000460	60.30%
Thallium,7440-28-0†	0.8	0.00117	mg/L	0.010591	0.00117	mg/L	0.010591	902.01%
Tin,7440-31-5†	-1.8	-0.00111	mg/L	0.002342	-0.00111	mg/L	0.002342	211.26%
Titanium,7440-32-6†	192.2	0.00073	mg/L	0.000681	0.00073	mg/L	0.000681	92.91%
Vanadium,7440-62-2†	-346.6	-0.00535	mg/L	0.000290	-0.00535	mg/L	0.000290	5.42%
Zinc,7440-66-6†	-83.2	-0.00287	mg/L	0.000166	-0.00287	mg/L	0.000166	5.78%
Zirconium,7440-67-7†	-83.6	-0.00048	mg/L	0.000073	-0.00048	mg/L	0.000073	15.19%

Sequence No.: 65 **Autosampler Location: 7**

169918

Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Date Collected: 12/22/2007 9:56:55 PM
Data Type: Reprocessed on 12/24/2007 11:42:35 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	2082531.2	107.283	%	0.7733				0.72%
Yttrium,7440-65-5A	1190564.3	106.001	%	0.7886				0.74%
Yttrium,7440-65-5R	66162.1	110.520	%	0.2906				0.26%
Ar 420.067 R	950474.0	101.706	%	0.2868				0.28%
Ar 363.268 A	42862.5	102.525	%	0.4547				0.44%
Aluminum,7429-90-5†	951.0	5.12676	mg/L	0.071172	5.12676	mg/L	0.071172	1.39%
QC value within limits for Aluminum,7429-90-5 Recovery = 102.54%								
Antimony,7440-36-0†	327.3	0.52510	mg/L	0.005050	0.52510	mg/L	0.005050	0.96%
QC value within limits for Antimony,7440-36-0 Recovery = 105.02%								
Arsenic,7440-38-2†	240.8	0.52412	mg/L	0.004292	0.52412	mg/L	0.004292	0.82%
QC value within limits for Arsenic,7440-38-2 Recovery = 104.82%								
Barium,7440-39-3†	23184.6	0.50870	mg/L	0.003114	0.50870	mg/L	0.003114	0.61%
QC value within limits for Barium,7440-39-3 Recovery = 101.74%								
Beryllium,7440-41-7†	769414.0	0.51204	mg/L	0.000503	0.51204	mg/L	0.000503	0.10%
QC value within limits for Beryllium,7440-41-7 Recovery = 102.41%								
Boron,7440-42-8†	28317.6	2.51654	mg/L	0.020020	2.51654	mg/L	0.020020	0.80%
QC value within limits for Boron,7440-42-8 Recovery = 100.66%								
Cadmium,7440-43-9†	18261.8	0.50542	mg/L	0.007171	0.50542	mg/L	0.007171	1.42%
QC value within limits for Cadmium,7440-43-9 Recovery = 101.08%								
Calcium,7440-70-2†	6293.1	5.09118	mg/L	0.019918	5.09118	mg/L	0.019918	0.39%
QC value within limits for Calcium,7440-70-2 Recovery = 101.82%								
Chromium,7440-47-3†	20518.1	0.51456	mg/L	0.001086	0.51456	mg/L	0.001086	0.21%
QC value within limits for Chromium,7440-47-3 Recovery = 102.91%								
Cobalt,7440-48-4†	7373.1	0.51251	mg/L	0.003147	0.51251	mg/L	0.003147	0.61%
QC value within limits for Cobalt,7440-48-4 Recovery = 102.50%								
Copper,7440-50-8†	56205.7	0.50431	mg/L	0.001843	0.50431	mg/L	0.001843	0.37%
QC value within limits for Copper,7440-50-8 Recovery = 100.86%								
Iron,7439-89-6†	1911.2	5.04270	mg/L	0.009669	5.04270	mg/L	0.009669	0.19%
QC value within limits for Iron,7439-89-6 Recovery = 100.85%								
Lead,7439-92-1†	2587.5	0.51028	mg/L	0.004363	0.51028	mg/L	0.004363	0.86%
QC value within limits for Lead,7439-92-1 Recovery = 102.06%								
Lithium,7439-93-2†	29213.9	0.50605	mg/L	0.002664	0.50605	mg/L	0.002664	0.53%
QC value within limits for Lithium,7439-93-2 Recovery = 101.21%								
Magnesium,7439-95-4†	425.0	5.16813	mg/L	0.059130	5.16813	mg/L	0.059130	1.14%
QC value within limits for Magnesium,7439-95-4 Recovery = 103.36%								
Manganese,7439-96-5†	135544.0	0.51300	mg/L	0.002485	0.51300	mg/L	0.002485	0.48%
QC value within limits for Manganese,7439-96-5 Recovery = 102.60%								
Molybdenum,7439-98-7†	3321.9	0.50406	mg/L	0.004217	0.50406	mg/L	0.004217	0.84%
QC value within limits for Molybdenum,7439-98-7 Recovery = 100.81%								
Nickel,7440-02-0†	10521.7	0.51818	mg/L	0.005186	0.51818	mg/L	0.005186	1.00%
QC value within limits for Nickel,7440-02-0 Recovery = 103.64%								
Potassium,7440-09-7†	13534.6	10.0551	mg/L	0.04411	10.0551	mg/L	0.04411	0.44%
QC value within limits for Potassium,7440-09-7 Recovery = 100.55%								
Selenium,7782-49-2†	237.2	0.49933	mg/L	0.011803	0.49933	mg/L	0.011803	2.36%
QC value within limits for Selenium,7782-49-2 Recovery = 99.87%								
Silicon,7440-21-3†	318.9	5.11992	mg/L	0.026918	5.11992	mg/L	0.026918	0.53%
QC value within limits for Silicon,7440-21-3 Recovery = 102.40%								
Silver,7440-22-4†	69377.0	0.50575	mg/L	0.002185	0.50575	mg/L	0.002185	0.43%
QC value within limits for Silver,7440-22-4 Recovery = 101.15%								
Sodium,7440-23-5†	30172.1	19.6989	mg/L	0.11747	19.6989	mg/L	0.11747	0.60%
QC value within limits for Sodium,7440-23-5 Recovery = 98.49%								
Strontium,7440-24-6†	47224.1	0.48970	mg/L	0.004237	0.48970	mg/L	0.004237	0.87%
QC value within limits for Strontium,7440-24-6 Recovery = 97.94%								
Thallium,7440-28-0†	358.7	0.53086	mg/L	0.007863	0.53086	mg/L	0.007863	1.48%
QC value within limits for Thallium,7440-28-0 Recovery = 106.17%								
Tin,7440-31-5†	817.4	0.51818	mg/L	0.003090	0.51818	mg/L	0.003090	0.60%
QC value within limits for Tin,7440-31-5 Recovery = 103.64%								
Titanium,7440-32-6†	133966.6	0.51074	mg/L	0.000574	0.51074	mg/L	0.000574	0.11%
QC value within limits for Titanium,7440-32-6 Recovery = 102.15%								
Vanadium,7440-62-2†	32576.8	0.50220	mg/L	0.002688	0.50220	mg/L	0.002688	0.54%
QC value within limits for Vanadium,7440-62-2 Recovery = 100.44%								

Zinc,7440-66-6† 14792.4 0.50636 mg/L 0.004183 0.50636 mg/L 0.004183 0.83%
QC value within limits for Zinc,7440-66-6 Recovery = 101.27%
Zirconium,7440-67-7† 88936.7 0.51004 mg/L 0.000587 0.51004 mg/L 0.000587 0.12%
QC value within limits for Zirconium,7440-67-7 Recovery = 102.01%
All analyte(s) passed QC.

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Sequence No.: 66 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 12/22/2007 10:04:13 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:42:37 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2115932.1	109.003	%	1.3173				1.21%
Yttrium,7440-65-5A	1220935.3	108.705	%	1.3596				1.25%
Yttrium,7440-65-5R	67603.0	112.927	%	0.4981				0.44%
Ar 420.067 R	952302.2	101.901	%	0.2156				0.21%
Ar 363.268 A	42341.4	101.279	%	0.3569				0.35%
Aluminum,7429-90-5†	33.7	0.18197	mg/L	0.035261	0.18197	mg/L	0.035261	19.38%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	1.2	0.00185	mg/L	0.006441	0.00185	mg/L	0.006441	347.39%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-1.2	-0.00272	mg/L	0.012220	-0.00272	mg/L	0.012220	449.52%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	-8.6	-0.00019	mg/L	0.000050	-0.00019	mg/L	0.000050	27.13%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-280.8	-0.00019	mg/L	0.000033	-0.00019	mg/L	0.000033	17.63%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	457.7	0.04060	mg/L	0.004291	0.04060	mg/L	0.004291	10.57%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	12.1	0.00034	mg/L	0.000096	0.00034	mg/L	0.000096	28.35%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-27.1	-0.02198	mg/L	0.004029	-0.02198	mg/L	0.004029	18.33%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-59.7	-0.00150	mg/L	0.000525	-0.00150	mg/L	0.000525	34.95%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	10.0	0.00070	mg/L	0.000037	0.00070	mg/L	0.000037	5.38%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-337.8	-0.00305	mg/L	0.000415	-0.00305	mg/L	0.000415	13.64%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	8.2	0.02165	mg/L	0.015736	0.02165	mg/L	0.015736	72.68%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-23.2	-0.00453	mg/L	0.000821	-0.00453	mg/L	0.000821	18.14%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-94.7	-0.00164	mg/L	0.001772	-0.00164	mg/L	0.001772	108.02%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	3.2	0.03886	mg/L	0.057076	0.03886	mg/L	0.057076	146.88%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	95.8	0.00036	mg/L	0.000138	0.00036	mg/L	0.000138	38.53%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	8.9	0.00136	mg/L	0.000558	0.00136	mg/L	0.000558	40.96%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	15.8	0.00078	mg/L	0.000914	0.00078	mg/L	0.000914	117.45%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	311.3	0.23135	mg/L	0.086119	0.23135	mg/L	0.086119	37.22%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-3.9	-0.00828	mg/L	0.010807	-0.00828	mg/L	0.010807	130.54%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	-1.0	-0.01606	mg/L	0.060780	-0.01606	mg/L	0.060780	378.39%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	-616.1	-0.00448	mg/L	0.000904	-0.00448	mg/L	0.000904	20.16%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	169.4	0.11053	mg/L	0.030455	0.11053	mg/L	0.030455	27.55%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	-90.9	-0.00094	mg/L	0.000730	-0.00094	mg/L	0.000730	77.63%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								

Thallium,7440-28-0† 5.6 0.00800 mg/L 0.005905 0.00800 mg/L 0.005905 73.81%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated
Tin,7440-31-5† 1.8 0.00116 mg/L 0.000671 0.00116 mg/L 0.000671 57.98%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated
Titanium,7440-32-6† 281.2 0.00107 mg/L 0.000314 0.00107 mg/L 0.000314 29.24%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated
Vanadium,7440-62-2† -344.9 -0.00532 mg/L 0.001195 -0.00532 mg/L 0.001195 22.46%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated
Zinc,7440-66-6† -32.7 -0.00114 mg/L 0.000383 -0.00114 mg/L 0.000383 33.66%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated
Zirconium,7440-67-7† -55.0 -0.00031 mg/L 0.000309 -0.00031 mg/L 0.000309 98.32%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 67 **Autosampler Location: 67**
Sample ID: 20712202005 **Date Collected: 12/22/2007 10:11:21 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:42:39 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 50 mL**

Mean Data: 20712202005

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2101053.5	108.237	%	0.8699				0.80%
Yttrium,7440-65-5A	1236468.6	110.088	%	0.8524				0.77%
Yttrium,7440-65-5R	70159.1	117.197	%	0.5454				0.47%
Ar 420.067 R	969311.6	103.721	%	0.1698				0.16%
Ar 363.268 A	42641.4	101.997	%	0.2672				0.26%
Aluminum,7429-90-5†	24193.4	130.646	mg/L	0.3054	5225.85	mg/kg	12.216	0.23%
Antimony,7440-36-0†	12.0	0.04136	mg/L	0.008437	1.65453	mg/kg	0.337462	20.40%
Arsenic,7440-38-2†	-23.0	-0.02267	mg/L	0.004783	-0.90679	mg/kg	0.191322	21.10%
Barium,7440-39-3†	41951.7	0.91185	mg/L	0.014999	36.4739	mg/kg	0.59996	1.64%
Beryllium,7440-41-7†	11613.7	0.00730	mg/L	0.000111	0.29218	mg/kg	0.004455	1.52%
Boron,7440-42-8†	3088.5	0.31947	mg/L	0.001187	12.7789	mg/kg	0.04749	0.37%
Cadmium,7440-43-9†	227.1	0.00161	mg/L	0.000308	0.06447	mg/kg	0.012331	19.13%
Calcium,7440-70-2†	35060.0	28.3490	mg/L	0.05408	1133.96	mg/kg	2.163	0.19%
Chromium,7440-47-3†	6280.5	0.15799	mg/L	0.002589	6.31954	mg/kg	0.103565	1.64%
Cobalt,7440-48-4†	921.1	0.05427	mg/L	0.000705	2.17096	mg/kg	0.028204	1.30%
Copper,7440-50-8†	16990.8	0.13428	mg/L	0.003161	5.37138	mg/kg	0.126433	2.35%
Iron,7439-89-6†	51789.1	136.703	mg/L	0.3628	5468.11	mg/kg	14.510	0.27%
Lead,7439-92-1†	845.8	0.19151	mg/L	0.003033	7.66045	mg/kg	0.121334	1.58%
Lithium,7439-93-2†	9805.7	0.16921	mg/L	0.000781	6.76826	mg/kg	0.031228	0.46%
Magnesium,7439-95-4†	7403.3	90.0342	mg/L	0.66605	3601.37	mg/kg	26.642	0.74%
Manganese,7439-96-5†	265722.3	1.00166	mg/L	0.015099	40.0663	mg/kg	0.60396	1.51%
Molybdenum,7439-98-7†	55.3	0.00917	mg/L	0.000386	0.36681	mg/kg	0.015449	4.21%
Nickel,7440-02-0†	3391.8	0.16135	mg/L	0.001028	6.45391	mg/kg	0.041107	0.64%
Potassium,7440-09-7†	79584.5	59.1530	mg/L	0.10983	2366.12	mg/kg	4.393	0.19%
Selenium,7782-49-2†	-16.0	-0.01496	mg/L	0.003780	-0.59858	mg/kg	0.151205	25.26%
Silicon,7440-21-3†	757.5	12.1904	mg/L	0.08313	487.616	mg/kg	3.3251	0.68%
Silver,7440-22-4†	-1650.9	-0.01093	mg/L	0.000148	-0.43706	mg/kg	0.005903	1.35%
Sodium,7440-23-5†	220422.4	143.845	mg/L	0.5671	5753.79	mg/kg	22.683	0.39%
Strontium,7440-24-6†	38097.9	0.39379	mg/L	0.000331	15.7517	mg/kg	0.01322	0.08%
Thallium,7440-28-0†	-21.0	-0.01962	mg/L	0.005702	-0.78473	mg/kg	0.228087	29.07%
Tin,7440-31-5†	-35.5	-0.02303	mg/L	0.003657	-0.92111	mg/kg	0.146267	15.88%
Titanium,7440-32-6†	100011.5	0.37989	mg/L	0.000094	15.1955	mg/kg	0.00374	0.02%
Vanadium,7440-62-2†	17573.8	0.26150	mg/L	0.006207	10.4598	mg/kg	0.24830	2.37%
Zinc,7440-66-6†	30492.8	1.03271	mg/L	0.020026	41.3083	mg/kg	0.80106	1.94%
Zirconium,7440-67-7†	20136.6	0.11301	mg/L	0.001096	4.52034	mg/kg	0.043858	0.97%

Sequence No.: 68 **Autosampler Location: 68**
Sample ID: 20712202008 **Date Collected: 12/22/2007 10:18:32 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:42:40 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 50 mL**

169921

Mean Data: 20712202008

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2035867.8	104.879	%	1.0478				1.00%
Yttrium,7440-65-5A	1236981.4	110.134	%	1.0291				0.93%
Yttrium,7440-65-5R	71051.5	118.687	%	0.6075				0.51%
Ar 420.067 R	929000.1	99.4077	%	0.12652				0.13%
Ar 363.268 A	41502.0	99.2709	%	0.24320				0.24%
Aluminum,7429-90-5†	47583.6	256.944	mg/L	0.5220	10277.8	mg/kg	20.88	0.20%
Antimony,7440-36-0†	18.9	0.07883	mg/L	0.013709	3.15300	mg/kg	0.548379	17.39%
Arsenic,7440-38-2†	-51.9	-0.05912	mg/L	0.006464	-2.36500	mg/kg	0.258579	10.93%
Barium,7440-39-3†	106027.3	2.30497	mg/L	0.032013	92.1988	mg/kg	1.28051	1.39%
Beryllium,7440-41-7†	26511.4	0.01641	mg/L	0.000225	0.65625	mg/kg	0.008987	1.37%
Boron,7440-42-8†	1323.6	0.23444	mg/L	0.003042	9.37763	mg/kg	0.121669	1.30%
Cadmium,7440-43-9†	548.9	0.00343	mg/L	0.000276	0.13734	mg/kg	0.011029	8.03%
Calcium,7440-70-2†	348306.6	281.832	mg/L	0.5472	11273.3	mg/kg	21.89	0.19%
Chromium,7440-47-3†	11814.4	0.29460	mg/L	0.003233	11.7842	mg/kg	0.12931	1.10%
Cobalt,7440-48-4†	2315.2	0.13929	mg/L	0.001895	5.57172	mg/kg	0.075782	1.36%
Copper,7440-50-8†	31951.4	0.23883	mg/L	0.004200	9.55334	mg/kg	0.168005	1.76%
Iron,7439-89-6†	116821.1	308.360	mg/L	0.5480	12334.4	mg/kg	21.92	0.18%
Lead,7439-92-1†	1527.6	0.34982	mg/L	0.006372	13.9929	mg/kg	0.25487	1.82%
Lithium,7439-93-2†	20832.9	0.35927	mg/L	0.001339	14.3707	mg/kg	0.05356	0.37%
Magnesium,7439-95-4†	15448.7	187.880	mg/L	1.4465	7515.19	mg/kg	57.862	0.77%
Manganese,7439-96-5†	1907751.9	7.21864	mg/L	0.005871	288.745	mg/kg	0.2348	0.08%
Molybdenum,7439-98-7†	-46.2	-0.00752	mg/L	0.002535	-0.30082	mg/kg	0.101384	33.70%
Nickel,7440-02-0†	6657.6	0.31291	mg/L	0.003896	12.5164	mg/kg	0.15583	1.25%
Potassium,7440-09-7†	113287.1	84.2120	mg/L	0.26618	3368.48	mg/kg	10.647	0.32%
Selenium,7782-49-2†	-42.6	-0.04863	mg/L	0.021417	-1.94500	mg/kg	0.856676	44.04%
Silicon,7440-21-3†	851.5	13.7059	mg/L	0.08094	548.238	mg/kg	3.2374	0.59%
Silver,7440-22-4†	-4055.9	-0.03225	mg/L	0.000439	-1.29016	mg/kg	0.017571	1.36%
Sodium,7440-23-5†	167559.1	109.326	mg/L	0.1086	4373.04	mg/kg	4.345	0.10%
Strontium,7440-24-6†	84557.0	0.86788	mg/L	0.001303	34.7151	mg/kg	0.05212	0.15%
Thallium,7440-28-0†	-30.1	-0.03053	mg/L	0.003775	-1.22139	mg/kg	0.151013	12.36%
Tin,7440-31-5†	-144.2	-0.09123	mg/L	0.005084	-3.64923	mg/kg	0.203377	5.57%
Titanium,7440-32-6†	99528.9	0.37613	mg/L	0.000383	15.0453	mg/kg	0.01533	0.10%
Vanadium,7440-62-2†	31761.5	0.46766	mg/L	0.007723	18.7066	mg/kg	0.30893	1.65%
Zinc,7440-66-6†	42639.7	1.42556	mg/L	0.015988	57.0225	mg/kg	0.63953	1.12%
Zirconium,7440-67-7†	19735.6	0.10611	mg/L	0.001389	4.24445	mg/kg	0.055572	1.31%

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Sequence No.: 69
Sample ID: 20712202009
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 69
Date Collected: 12/22/2007 10:25:34 PM
Data Type: Reprocessed on 12/24/2007 11:42:44 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20712202009

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2006863.7	103.385	%	1.1152				1.08%
Yttrium,7440-65-5A	1210746.9	107.798	%	1.1382				1.06%
Yttrium,7440-65-5R	70297.9	117.428	%	0.3940				0.34%
Ar 420.067 R	938720.0	100.448	%	0.3447				0.34%
Ar 363.268 A	41776.5	99.9276	%	0.10292				0.10%
Aluminum,7429-90-5†	45386.5	245.081	mg/L	0.3028	9725.44	mg/kg	12.017	0.12%
Antimony,7440-36-0†	22.7	0.08195	mg/L	0.006022	3.25190	mg/kg	0.238968	7.35%
Arsenic,7440-38-2†	-44.6	-0.04453	mg/L	0.009211	-1.76720	mg/kg	0.365513	20.68%
Barium,7440-39-3†	158140.8	3.45193	mg/L	0.020339	136.981	mg/kg	0.8071	0.59%
Beryllium,7440-41-7†	23665.7	0.01465	mg/L	0.000084	0.58133	mg/kg	0.003316	0.57%
Boron,7440-42-8†	1481.3	0.24054	mg/L	0.001483	9.54538	mg/kg	0.058854	0.62%
Cadmium,7440-43-9†	512.1	0.00343	mg/L	0.000076	0.13595	mg/kg	0.003020	2.22%
Calcium,7440-70-2†	498441.2	403.344	mg/L	0.5478	16005.7	mg/kg	21.74	0.14%
Chromium,7440-47-3†	11200.5	0.27982	mg/L	0.000953	11.1039	mg/kg	0.03782	0.34%
Cobalt,7440-48-4†	2139.8	0.12855	mg/L	0.000652	5.10128	mg/kg	0.025877	0.51%
Copper,7440-50-8†	30633.1	0.23094	mg/L	0.002120	9.16445	mg/kg	0.084117	0.92%
Iron,7439-89-6†	108831.6	287.270	mg/L	0.1281	11399.6	mg/kg	5.08	0.04%
Lead,7439-92-1†	1263.7	0.29722	mg/L	0.003687	11.7946	mg/kg	0.14629	1.24%
Lithium,7439-93-2†	19582.3	0.33773	mg/L	0.000807	13.4022	mg/kg	0.03201	0.24%
Magnesium,7439-95-4†	14745.7	179.327	mg/L	0.7281	7116.15	mg/kg	28.893	0.41%

169922

Manganese,7439-96-5†	1557763.3	5.89291	mg/L	0.017330	233.846	mg/kg	0.6877	0.29%
Molybdenum,7439-98-7†	-43.2	-0.00727	mg/L	0.001398	-0.28862	mg/kg	0.055462	19.22%
Nickel,7440-02-0†	6106.8	0.28713	mg/L	0.002840	11.3942	mg/kg	0.11269	0.99%
Potassium,7440-09-7†	105941.1	78.7531	mg/L	0.28792	3125.12	mg/kg	11.425	0.37%
Selenium,7782-49-2†	-38.5	-0.04205	mg/L	0.025525	-1.66855	mg/kg	1.012911	60.71%
Silicon,7440-21-3†	926.0	14.9023	mg/L	0.07748	591.361	mg/kg	3.0744	0.52%
Silver,7440-22-4†	-3501.4	-0.03086	mg/L	0.000392	-1.22478	mg/kg	0.015542	1.27%
Sodium,7440-23-5†	106887.2	69.7030	mg/L	0.03155	2765.99	mg/kg	1.252	0.05%
Strontium,7440-24-6†	95836.2	0.98178	mg/L	0.001225	38.9596	mg/kg	0.04862	0.12%
Thallium,7440-28-0†	-35.9	-0.03713	mg/L	0.011304	-1.47340	mg/kg	0.448585	30.45%
Tin,7440-31-5†	-158.7	-0.09855	mg/L	0.007006	-3.91080	mg/kg	0.278022	7.11%
Titanium,7440-32-6†	111241.2	0.42103	mg/L	0.002048	16.7077	mg/kg	0.08126	0.49%
Vanadium,7440-62-2†	31555.4	0.46614	mg/L	0.003046	18.4977	mg/kg	0.12086	0.65%
Zinc,7440-66-6†	38439.6	1.28332	mg/L	0.010967	50.9253	mg/kg	0.43519	0.85%
Zirconium,7440-67-7†	25068.1	0.13744	mg/L	0.000702	5.45392	mg/kg	0.027870	0.51%

Sequence No.: 70 **Autosampler Location: 70**
Sample ID: 20712202010 **Date Collected: 12/22/2007 10:32:37 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:42:46 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 50 mL**

Mean Data: 20712202010

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2051840.0	105.701	%	1.1380				1.08%
Yttrium,7440-65-5A	1246847.0	111.012	%	1.0498				0.95%
Yttrium,7440-65-5R	71854.1	120.028	%	0.4234				0.35%
Ar 420.067 R	934410.4	99.9866	%	0.35491				0.35%
Ar 363.268 A	41906.8	100.239	%	0.2623				0.26%
Aluminum,7429-90-5†	38579.7	208.326	mg/L	0.2788	8266.91	mg/kg	11.063	0.13%
Antimony,7440-36-0†	14.9	0.06303	mg/L	0.005988	2.50111	mg/kg	0.237602	9.50%
Arsenic,7440-38-2†	-37.9	-0.03879	mg/L	0.015264	-1.53915	mg/kg	0.605709	39.35%
Barium,7440-39-3†	347796.8	7.62780	mg/L	0.024557	302.690	mg/kg	0.9745	0.32%
Beryllium,7440-41-7†	21549.4	0.01337	mg/L	0.000073	0.53062	mg/kg	0.002879	0.54%
Boron,7440-42-8†	3440.3	0.39750	mg/L	0.002627	15.7736	mg/kg	0.10424	0.66%
Cadmium,7440-43-9†	454.8	0.00330	mg/L	0.000042	0.13099	mg/kg	0.001651	1.26%
Calcium,7440-70-2†	289590.7	234.324	mg/L	0.1617	9298.56	mg/kg	6.417	0.07%
Chromium,7440-47-3†	10926.2	0.27337	mg/L	0.000575	10.8479	mg/kg	0.02280	0.21%
Cobalt,7440-48-4†	1990.8	0.12095	mg/L	0.000662	4.79977	mg/kg	0.026273	0.55%
Copper,7440-50-8†	28486.7	0.21814	mg/L	0.001477	8.65646	mg/kg	0.058613	0.68%
Iron,7439-89-6†	93802.0	247.598	mg/L	0.0880	9825.34	mg/kg	3.492	0.04%
Lead,7439-92-1†	1712.7	0.37724	mg/L	0.006245	14.9697	mg/kg	0.24783	1.66%
Lithium,7439-93-2†	17032.1	0.29376	mg/L	0.001023	11.6572	mg/kg	0.04059	0.35%
Magnesium,7439-95-4†	13100.7	159.319	mg/L	1.3224	6322.19	mg/kg	52.475	0.83%
Manganese,7439-96-5†	1305487.2	4.93825	mg/L	0.006941	195.962	mg/kg	0.2754	0.14%
Molybdenum,7439-98-7†	-24.7	-0.00400	mg/L	0.001211	-0.15864	mg/kg	0.048060	30.30%
Nickel,7440-02-0†	6073.2	0.28747	mg/L	0.004296	11.4077	mg/kg	0.17047	1.49%
Potassium,7440-09-7†	102089.2	75.8858	mg/L	0.11974	3011.34	mg/kg	4.751	0.16%
Selenium,7782-49-2†	-29.4	-0.02846	mg/L	0.011549	-1.12935	mg/kg	0.458289	40.58%
Silicon,7440-21-3†	913.6	14.7033	mg/L	0.11421	583.466	mg/kg	4.5323	0.78%
Silver,7440-22-4†	-3336.6	-0.02650	mg/L	0.000564	-1.05146	mg/kg	0.022377	2.13%
Sodium,7440-23-5†	126383.5	82.4515	mg/L	0.10519	3271.89	mg/kg	4.174	0.13%
Strontium,7440-24-6†	82878.8	0.85219	mg/L	0.001642	33.8172	mg/kg	0.06517	0.19%
Thallium,7440-28-0†	-30.8	-0.03202	mg/L	0.001805	-1.27079	mg/kg	0.071641	5.64%
Tin,7440-31-5†	-142.7	-0.08980	mg/L	0.001577	-3.56361	mg/kg	0.062599	1.76%
Titanium,7440-32-6†	105960.7	0.40133	mg/L	0.001389	15.9260	mg/kg	0.05511	0.35%
Vanadium,7440-62-2†	26740.0	0.39479	mg/L	0.001027	15.6662	mg/kg	0.04076	0.26%
Zinc,7440-66-6†	128968.2	4.41808	mg/L	0.006520	175.321	mg/kg	0.2587	0.15%
Zirconium,7440-67-7†	22738.4	0.12499	mg/L	0.000345	4.95992	mg/kg	0.013680	0.28%

Sequence No.: 71 **Autosampler Location: 71**
Sample ID: 20712202012 **Date Collected: 12/22/2007 10:39:40 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:42:47 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 50 mL**

169923

Mean Data: 20712202012

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2042127.7	105.201	%	0.5733				0.54%
Yttrium,7440-65-5A	1243729.2	110.735	%	0.5681				0.51%
Yttrium,7440-65-5R	70766.3	118.211	%	3.0130				2.55%
Ar 420.067 R	934664.0	100.014	%	0.6032				0.60%
Ar 363.268 A	41578.3	99.4535	%	0.24944				0.25%
Aluminum,7429-90-5†	39767.5	214.737	mg/L	7.1731	8589.47	mg/kg	286.926	3.34%
Antimony,7440-36-0†	16.0	0.06835	mg/L	0.009558	2.73417	mg/kg	0.382307	13.98%
Arsenic,7440-38-2†	-42.5	-0.04676	mg/L	0.014271	-1.87028	mg/kg	0.570827	30.52%
Barium,7440-39-3†	113067.8	2.46291	mg/L	0.025237	98.5164	mg/kg	1.00948	1.02%
Beryllium,7440-41-7†	22079.1	0.01359	mg/L	0.000176	0.54350	mg/kg	0.007037	1.29%
Boron,7440-42-8†	2892.6	0.35977	mg/L	0.001808	14.3906	mg/kg	0.07230	0.50%
Cadmium,7440-43-9†	471.3	0.00270	mg/L	0.000480	0.10808	mg/kg	0.019183	17.75%
Calcium,7440-70-2†	340624.1	275.622	mg/L	8.7781	11024.9	mg/kg	351.12	3.18%
Chromium,7440-47-3†	10138.9	0.25319	mg/L	0.003382	10.1275	mg/kg	0.13529	1.34%
Cobalt,7440-48-4†	1970.7	0.11782	mg/L	0.001731	4.71267	mg/kg	0.069223	1.47%
Copper,7440-50-8†	25956.3	0.19088	mg/L	0.003412	7.63521	mg/kg	0.136495	1.79%
Iron,7439-89-6†	102539.3	270.662	mg/L	8.9935	10826.5	mg/kg	359.74	3.32%
Lead,7439-92-1†	1331.6	0.30296	mg/L	0.002668	12.1184	mg/kg	0.10672	0.88%
Lithium,7439-93-2†	18051.9	0.31130	mg/L	0.009380	12.4518	mg/kg	0.37521	3.01%
Magnesium,7439-95-4†	13501.5	164.200	mg/L	3.7658	6567.99	mg/kg	150.633	2.29%
Manganese,7439-96-5†	1640274.0	6.20638	mg/L	0.023857	248.255	mg/kg	0.9543	0.38%
Molybdenum,7439-98-7†	-30.5	-0.00533	mg/L	0.000675	-0.21339	mg/kg	0.026983	12.64%
Nickel,7440-02-0†	5877.9	0.27643	mg/L	0.002297	11.0571	mg/kg	0.09187	0.83%
Potassium,7440-09-7†	103877.5	77.2154	mg/L	2.79749	3088.62	mg/kg	111.899	3.62%
Selenium,7782-49-2†	-38.0	-0.04344	mg/L	0.014111	-1.73746	mg/kg	0.564428	32.49%
Silicon,7440-21-3†	912.9	14.6925	mg/L	0.36325	587.700	mg/kg	14.5301	2.47%
Silver,7440-22-4†	-3734.0	-0.03000	mg/L	0.000423	-1.20019	mg/kg	0.016917	1.41%
Sodium,7440-23-5†	121873.1	79.5089	mg/L	2.48783	3180.36	mg/kg	99.513	3.13%
Strontium,7440-24-6†	82789.9	0.84996	mg/L	0.027142	33.9985	mg/kg	1.08566	3.19%
Thallium,7440-28-0†	-24.6	-0.02287	mg/L	0.007789	-0.91499	mg/kg	0.311546	34.05%
Tin,7440-31-5†	-146.5	-0.09188	mg/L	0.004495	-3.67519	mg/kg	0.179798	4.89%
Titanium,7440-32-6†	112051.8	0.42430	mg/L	0.002280	16.9721	mg/kg	0.09118	0.54%
Vanadium,7440-62-2†	28771.2	0.42427	mg/L	0.005531	16.9710	mg/kg	0.22123	1.30%
Zinc,7440-66-6†	46759.6	1.57380	mg/L	0.015603	62.9521	mg/kg	0.62414	0.99%
Zirconium,7440-67-7†	19370.2	0.10493	mg/L	0.001197	4.19714	mg/kg	0.047899	1.14%

Sequence No.: 72
Sample ID: 20712202013
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 72
Date Collected: 12/22/2007 10:46:35 PM
Data Type: Reprocessed on 12/24/2007 11:42:49 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20712202013

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2019399.5	104.030	%	0.1683				0.16%
Yttrium,7440-65-5A	1217359.6	108.387	%	0.2329				0.21%
Yttrium,7440-65-5R	70468.7	117.714	%	0.2266				0.19%
Ar 420.067 R	937852.3	100.355	%	0.3599				0.36%
Ar 363.268 A	42013.1	100.494	%	0.3398				0.34%
Aluminum,7429-90-5†	38188.1	206.210	mg/L	0.2161	8248.41	mg/kg	8.643	0.10%
Antimony,7440-36-0†	14.3	0.06213	mg/L	0.007431	2.48529	mg/kg	0.297221	11.96%
Arsenic,7440-38-2†	-37.1	-0.03639	mg/L	0.014035	-1.45560	mg/kg	0.561398	38.57%
Barium,7440-39-3†	361957.9	7.93844	mg/L	0.072433	317.538	mg/kg	2.8973	0.91%
Beryllium,7440-41-7†	22021.2	0.01369	mg/L	0.000166	0.54748	mg/kg	0.006659	1.22%
Boron,7440-42-8†	2493.8	0.31469	mg/L	0.002063	12.5876	mg/kg	0.08253	0.66%
Cadmium,7440-43-9†	477.0	0.00394	mg/L	0.000143	0.15777	mg/kg	0.005720	3.63%
Calcium,7440-70-2†	414040.9	335.045	mg/L	0.5709	13401.8	mg/kg	22.83	0.17%
Chromium,7440-47-3†	10831.6	0.27107	mg/L	0.001901	10.8427	mg/kg	0.07604	0.70%
Cobalt,7440-48-4†	1981.3	0.12025	mg/L	0.001623	4.80999	mg/kg	0.064933	1.35%
Copper,7440-50-8†	28712.6	0.22024	mg/L	0.002298	8.80980	mg/kg	0.091921	1.04%
Iron,7439-89-6†	93705.1	247.343	mg/L	0.1079	9893.72	mg/kg	4.315	0.04%
Lead,7439-92-1†	1499.4	0.33572	mg/L	0.005349	13.4289	mg/kg	0.21396	1.59%

169924

Lithium,7439-93-2†	17006.2	0.29333	mg/L	0.000393	11.7330	mg/kg	0.01571	0.13%
Magnesium,7439-95-4†	12624.5	153.532	mg/L	0.6051	6141.28	mg/kg	24.204	0.39%
Manganese,7439-96-5†	1275666.6	4.82529	mg/L	0.011694	193.011	mg/kg	0.4678	0.24%
Molybdenum,7439-98-7†	-28.4	-0.00493	mg/L	0.001431	-0.19724	mg/kg	0.057224	29.01%
Nickel,7440-02-0†	5662.4	0.26729	mg/L	0.002812	10.6918	mg/kg	0.11249	1.05%
Potassium,7440-09-7†	101196.4	75.2226	mg/L	0.23097	3008.90	mg/kg	9.239	0.31%
Selenium,7782-49-2†	-31.6	-0.03262	mg/L	0.008690	-1.30499	mg/kg	0.347597	26.64%
Silicon,7440-21-3†	857.0	13.7900	mg/L	0.09187	551.598	mg/kg	3.6750	0.67%
Silver,7440-22-4†	-3118.0	-0.02695	mg/L	0.000760	-1.07801	mg/kg	0.030391	2.82%
Sodium,7440-23-5†	171874.7	112.127	mg/L	0.0641	4485.09	mg/kg	2.565	0.06%
Strontium,7440-24-6†	95732.5	0.98285	mg/L	0.001103	39.3141	mg/kg	0.04411	0.11%
Thallium,7440-28-0†	-33.2	-0.03421	mg/L	0.008265	-1.36832	mg/kg	0.330615	24.16%
Tin,7440-31-5†	-148.0	-0.09185	mg/L	0.003018	-3.67411	mg/kg	0.120708	3.29%
Titanium,7440-32-6†	115394.3	0.43731	mg/L	0.002610	17.4925	mg/kg	0.10440	0.60%
Vanadium,7440-62-2†	27952.5	0.41344	mg/L	0.003975	16.5377	mg/kg	0.15901	0.96%
Zinc,7440-66-6†	139394.7	4.77854	mg/L	0.056917	191.142	mg/kg	2.2767	1.19%
Zirconium,7440-67-7†	19334.6	0.10549	mg/L	0.000377	4.21946	mg/kg	0.015068	0.36%

Sequence No.: 73 **Autosampler Location: 73**
Sample ID: --- **Date Collected: 12/22/2007 10:53:31 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:42:51 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2170326.6	111.805	%	1.5415				1.38%
Yttrium,7440-65-5A	1255332.0	111.768	%	1.4999				1.34%
Yttrium,7440-65-5R	68538.3	114.489	%	0.8963				0.78%
Ar 420.067 R	950168.1	101.673	%	0.1257				0.12%
Ar 363.268 A	42863.4	102.528	%	0.4942				0.48%
Aluminum,7429-90-5†	46.7	0.25221	mg/L	0.042532	0.25221	mg/L	0.042532	16.86%
Antimony,7440-36-0†	0.7	0.00111	mg/L	0.003748	0.00111	mg/L	0.003748	336.77%
Arsenic,7440-38-2†	0.1	0.00008	mg/L	0.005960	0.00008	mg/L	0.005960	>999.9%
Barium,7440-39-3†	-5.7	-0.00012	mg/L	0.000139	-0.00012	mg/L	0.000139	115.46%
Beryllium,7440-41-7†	-425.2	-0.00028	mg/L	0.000024	-0.00028	mg/L	0.000024	8.71%
Boron,7440-42-8†	254.8	0.02260	mg/L	0.001353	0.02260	mg/L	0.001353	5.99%
Cadmium,7440-43-9†	8.0	0.00022	mg/L	0.000082	0.00022	mg/L	0.000082	36.59%
Calcium,7440-70-2†	-27.4	-0.02217	mg/L	0.006618	-0.02217	mg/L	0.006618	29.85%
Chromium,7440-47-3†	-34.9	-0.00088	mg/L	0.000626	-0.00088	mg/L	0.000626	71.31%
Cobalt,7440-48-4†	8.2	0.00057	mg/L	0.000828	0.00057	mg/L	0.000828	144.66%
Copper,7440-50-8†	-558.7	-0.00504	mg/L	0.000882	-0.00504	mg/L	0.000882	17.51%
Iron,7439-89-6†	11.4	0.03015	mg/L	0.009674	0.03015	mg/L	0.009674	32.09%
Lead,7439-92-1†	-20.8	-0.00404	mg/L	0.002555	-0.00404	mg/L	0.002555	63.21%
Lithium,7439-93-2†	-176.5	-0.00306	mg/L	0.000583	-0.00306	mg/L	0.000583	19.08%
Magnesium,7439-95-4†	6.1	0.07391	mg/L	0.073449	0.07391	mg/L	0.073449	99.38%
Manganese,7439-96-5†	-21.1	-0.00008	mg/L	0.000219	-0.00008	mg/L	0.000219	260.92%
Molybdenum,7439-98-7†	0.9	0.00014	mg/L	0.000555	0.00014	mg/L	0.000555	392.55%
Nickel,7440-02-0†	-15.1	-0.00075	mg/L	0.000609	-0.00075	mg/L	0.000609	81.60%
Potassium,7440-09-7†	634.4	0.47144	mg/L	0.016844	0.47144	mg/L	0.016844	3.57%
Selenium,7782-49-2†	-6.0	-0.01272	mg/L	0.004411	-0.01272	mg/L	0.004411	34.68%
Silicon,7440-21-3†	1.8	0.02940	mg/L	0.046510	0.02940	mg/L	0.046510	158.21%
Silver,7440-22-4†	-721.9	-0.00525	mg/L	0.001161	-0.00525	mg/L	0.001161	22.10%
Sodium,7440-23-5†	284.9	0.18588	mg/L	0.025548	0.18588	mg/L	0.025548	13.74%
Strontium,7440-24-6†	-43.1	-0.00044	mg/L	0.000340	-0.00044	mg/L	0.000340	76.84%
Thallium,7440-28-0†	-2.1	-0.00308	mg/L	0.004428	-0.00308	mg/L	0.004428	143.88%
Tin,7440-31-5†	-0.2	-0.00011	mg/L	0.000872	-0.00011	mg/L	0.000872	768.59%
Titanium,7440-32-6†	149.9	0.00057	mg/L	0.000796	0.00057	mg/L	0.000796	139.21%
Vanadium,7440-62-2†	-459.8	-0.00709	mg/L	0.001243	-0.00709	mg/L	0.001243	17.52%
Zinc,7440-66-6†	-35.2	-0.00122	mg/L	0.000127	-0.00122	mg/L	0.000127	10.43%
Zirconium,7440-67-7†	-165.2	-0.00095	mg/L	0.000447	-0.00095	mg/L	0.000447	47.28%

Sequence No.: 74 **Autosampler Location: 74**
Sample ID: --- **Date Collected: 12/22/2007 11:00:35 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:42:52 AM**
Logged In Analyst (Original) : met

169925

Initial Sample Wt: Initial Sample Vol:
Dilution: 1X Sample Prep Vol:

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2161021.3	111.326	%	0.4937				0.44%
Yttrium,7440-65-5A	1248283.5	111.140	%	0.4008				0.36%
Yttrium,7440-65-5R	68614.2	114.616	%	0.8512				0.74%
Ar 420.067 R	953073.0	101.984	%	0.3002				0.29%
Ar 363.268 A	43081.8	103.050	%	0.1500				0.15%
Aluminum,7429-90-5†	43.8	0.23664	mg/L	0.027161	0.23664	mg/L	0.027161	11.48%
Antimony,7440-36-0†	5.1	0.00807	mg/L	0.001297	0.00807	mg/L	0.001297	16.08%
Arsenic,7440-38-2†	-1.1	-0.00237	mg/L	0.009586	-0.00237	mg/L	0.009586	405.04%
Barium,7440-39-3†	-20.2	-0.00044	mg/L	0.000171	-0.00044	mg/L	0.000171	38.71%
Beryllium,7440-41-7†	-428.8	-0.00028	mg/L	0.000038	-0.00028	mg/L	0.000038	13.48%
Boron,7440-42-8†	133.1	0.01180	mg/L	0.001546	0.01180	mg/L	0.001546	13.10%
Cadmium,7440-43-9†	5.0	0.00014	mg/L	0.000167	0.00014	mg/L	0.000167	118.18%
Calcium,7440-70-2†	-44.7	-0.03615	mg/L	0.006593	-0.03615	mg/L	0.006593	18.24%
Chromium,7440-47-3†	-29.4	-0.00074	mg/L	0.000392	-0.00074	mg/L	0.000392	52.94%
Cobalt,7440-48-4†	10.1	0.00071	mg/L	0.000124	0.00071	mg/L	0.000124	17.57%
Copper,7440-50-8†	-478.4	-0.00431	mg/L	0.000463	-0.00431	mg/L	0.000463	10.74%
Iron,7439-89-6†	7.2	0.01912	mg/L	0.005918	0.01912	mg/L	0.005918	30.95%
Lead,7439-92-1†	-22.0	-0.00428	mg/L	0.001522	-0.00428	mg/L	0.001522	35.58%
Lithium,7439-93-2†	-171.9	-0.00298	mg/L	0.000928	-0.00298	mg/L	0.000928	31.16%
Magnesium,7439-95-4†	9.5	0.11500	mg/L	0.019355	0.11500	mg/L	0.019355	16.83%
Manganese,7439-96-5†	-84.0	-0.00032	mg/L	0.000168	-0.00032	mg/L	0.000168	52.30%
Molybdenum,7439-98-7†	-4.2	-0.00064	mg/L	0.001618	-0.00064	mg/L	0.001618	253.41%
Nickel,7440-02-0†	-27.4	-0.00135	mg/L	0.000182	-0.00135	mg/L	0.000182	13.49%
Potassium,7440-09-7†	382.0	0.28384	mg/L	0.028270	0.28384	mg/L	0.028270	9.96%
Selenium,7782-49-2†	-4.1	-0.00868	mg/L	0.009221	-0.00868	mg/L	0.009221	106.26%
Silicon,7440-21-3†	3.2	0.05198	mg/L	0.011478	0.05198	mg/L	0.011478	22.08%
Silver,7440-22-4†	-465.1	-0.00338	mg/L	0.000297	-0.00338	mg/L	0.000297	8.78%
Sodium,7440-23-5†	93.8	0.06119	mg/L	0.014296	0.06119	mg/L	0.014296	23.36%
Strontium,7440-24-6†	-46.6	-0.00048	mg/L	0.000215	-0.00048	mg/L	0.000215	44.77%
Thallium,7440-28-0†	1.1	0.00160	mg/L	0.008347	0.00160	mg/L	0.008347	520.15%
Tin,7440-31-5†	-0.4	-0.00024	mg/L	0.000942	-0.00024	mg/L	0.000942	399.14%
Titanium,7440-32-6†	113.4	0.00043	mg/L	0.000592	0.00043	mg/L	0.000592	136.88%
Vanadium,7440-62-2†	-342.5	-0.00528	mg/L	0.000808	-0.00528	mg/L	0.000808	15.29%
Zinc,7440-66-6†	-63.7	-0.00220	mg/L	0.000054	-0.00220	mg/L	0.000054	2.48%
Zirconium,7440-67-7†	-183.4	-0.00105	mg/L	0.000373	-0.00105	mg/L	0.000373	35.50%

Sequence No.: 75 Autosampler Location: 75
Sample ID: --- Date Collected: 12/22/2007 11:07:42 PM
Analyst: Data Type: Reprocessed on 12/24/2007 11:42:56 AM
Logged In Analyst (Original) : met
Initial Sample Wt: Initial Sample Vol:
Dilution: 1X Sample Prep Vol:

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2182157.6	112.415	%	0.6507				0.58%
Yttrium,7440-65-5A	1259517.3	112.140	%	0.5789				0.52%
Yttrium,7440-65-5R	68376.5	114.219	%	0.7058				0.62%
Ar 420.067 R	950639.7	101.723	%	0.2903				0.29%
Ar 363.268 A	43204.2	103.343	%	0.4488				0.43%
Aluminum,7429-90-5†	39.7	0.21461	mg/L	0.016883	0.21461	mg/L	0.016883	7.87%
Antimony,7440-36-0†	0.9	0.00145	mg/L	0.002473	0.00145	mg/L	0.002473	170.20%
Arsenic,7440-38-2†	-3.9	-0.00837	mg/L	0.002179	-0.00837	mg/L	0.002179	26.05%
Barium,7440-39-3†	-14.9	-0.00032	mg/L	0.000138	-0.00032	mg/L	0.000138	42.78%
Beryllium,7440-41-7†	-448.7	-0.00030	mg/L	0.000030	-0.00030	mg/L	0.000030	10.16%
Boron,7440-42-8†	94.1	0.00834	mg/L	0.001520	0.00834	mg/L	0.001520	18.23%
Cadmium,7440-43-9†	0.1	0.00000	mg/L	0.000189	0.00000	mg/L	0.000189	>999.9%
Calcium,7440-70-2†	-35.1	-0.02845	mg/L	0.005818	-0.02845	mg/L	0.005818	20.45%
Chromium,7440-47-3†	-46.0	-0.00116	mg/L	0.000495	-0.00116	mg/L	0.000495	42.76%
Cobalt,7440-48-4†	9.0	0.00063	mg/L	0.000496	0.00063	mg/L	0.000496	78.87%
Copper,7440-50-8†	-385.2	-0.00347	mg/L	0.000347	-0.00347	mg/L	0.000347	9.99%

169926

Iron,7439-89-6†	7.1	0.01868 mg/L	0.007945	0.01868 mg/L	0.007945	42.54%
Lead,7439-92-1†	-15.1	-0.00293 mg/L	0.001622	-0.00293 mg/L	0.001622	55.43%
Lithium,7439-98-2†	-178.4	-0.00309 mg/L	0.001311	-0.00309 mg/L	0.001311	42.42%
Magnesium,7439-95-4†	0.2	0.00291 mg/L	0.019267	0.00291 mg/L	0.019267	662.81%
Manganese,7439-96-5†	-72.2	-0.00028 mg/L	0.000131	-0.00028 mg/L	0.000131	47.70%
Molybdenum,7439-98-7†	-7.6	-0.00115 mg/L	0.000476	-0.00115 mg/L	0.000476	41.55%
Nickel,7440-02-0†	-28.7	-0.00142 mg/L	0.000276	-0.00142 mg/L	0.000276	19.48%
Potassium,7440-09-7†	350.9	0.26073 mg/L	0.049710	0.26073 mg/L	0.049710	19.07%
Selenium,7782-49-2†	-2.8	-0.00586 mg/L	0.001511	-0.00586 mg/L	0.001511	25.77%
Silicon,7440-21-3†	2.4	0.03890 mg/L	0.025413	0.03890 mg/L	0.025413	65.32%
Silver,7440-22-4†	-417.2	-0.00304 mg/L	0.000309	-0.00304 mg/L	0.000309	10.17%
Sodium,7440-23-5†	23.4	0.01524 mg/L	0.021492	0.01524 mg/L	0.021492	140.98%
Strontium,7440-24-6†	-106.0	-0.00110 mg/L	0.000643	-0.00110 mg/L	0.000643	58.66%
Thallium,7440-28-0†	0.4	0.00053 mg/L	0.008943	0.00053 mg/L	0.008943	>999.9%
Tin,7440-31-5†	-3.3	-0.00208 mg/L	0.001787	-0.00208 mg/L	0.001787	85.72%
Titanium,7440-32-6†	188.5	0.00072 mg/L	0.000927	0.00072 mg/L	0.000927	128.84%
Vanadium,7440-62-2†	-336.6	-0.00519 mg/L	0.000033	-0.00519 mg/L	0.000033	0.64%
Zinc,7440-66-6†	-74.4	-0.00256 mg/L	0.000231	-0.00256 mg/L	0.000231	9.01%
Zirconium,7440-67-7†	-61.4	-0.00035 mg/L	0.000307	-0.00035 mg/L	0.000307	87.61%

Sequence No.: 76
Sample ID: ---
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 76
Date Collected: 12/22/2007 11:14:49 PM
Data Type: Reprocessed on 12/24/2007 11:42:58 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2176568.8	112.127	%	0.3853				0.34%
Yttrium,7440-65-5A	1254122.2	111.660	%	0.3443				0.31%
Yttrium,7440-65-5R	68313.8	114.114	%	0.4182				0.37%
Ar 420.067 R	956280.8	102.327	%	0.0789				0.08%
Ar 363.268 A	43076.8	103.038	%	0.8868				0.86%
Aluminum,7429-90-5†	35.7	0.19278	mg/L	0.043988	0.19278	mg/L	0.043988	22.82%
Antimony,7440-36-0†	-1.0	-0.00165	mg/L	0.005106	-0.00165	mg/L	0.005106	309.46%
Arsenic,7440-38-2†	-2.5	-0.00544	mg/L	0.008159	-0.00544	mg/L	0.008159	150.09%
Barium,7440-39-3†	-20.4	-0.00044	mg/L	0.000159	-0.00044	mg/L	0.000159	35.66%
Beryllium,7440-41-7†	-458.7	-0.00030	mg/L	0.000014	-0.00030	mg/L	0.000014	4.46%
Boron,7440-42-8†	135.7	0.01203	mg/L	0.002002	0.01203	mg/L	0.002002	16.64%
Cadmium,7440-43-9†	6.0	0.00017	mg/L	0.000120	0.00017	mg/L	0.000120	71.14%
Calcium,7440-70-2†	-13.8	-0.01116	mg/L	0.007659	-0.01116	mg/L	0.007659	68.62%
Chromium,7440-47-3†	-39.5	-0.00099	mg/L	0.000738	-0.00099	mg/L	0.000738	74.33%
Cobalt,7440-48-4†	24.1	0.00168	mg/L	0.000250	0.00168	mg/L	0.000250	14.85%
Copper,7440-50-8†	-481.7	-0.00434	mg/L	0.000680	-0.00434	mg/L	0.000680	15.67%
Iron,7439-89-6†	3.0	0.00804	mg/L	0.002877	0.00804	mg/L	0.002877	35.80%
Lead,7439-92-1†	-13.8	-0.00268	mg/L	0.000715	-0.00268	mg/L	0.000715	26.70%
Lithium,7439-93-2†	-180.5	-0.00313	mg/L	0.000652	-0.00313	mg/L	0.000652	20.86%
Magnesium,7439-95-4†	6.5	0.07910	mg/L	0.039734	0.07910	mg/L	0.039734	50.23%
Manganese,7439-96-5†	-66.4	-0.00025	mg/L	0.000073	-0.00025	mg/L	0.000073	28.92%
Molybdenum,7439-98-7†	-11.0	-0.00167	mg/L	0.001186	-0.00167	mg/L	0.001186	70.94%
Nickel,7440-02-0†	-22.2	-0.00110	mg/L	0.001005	-0.00110	mg/L	0.001005	91.73%
Potassium,7440-09-7†	361.5	0.26861	mg/L	0.017299	0.26861	mg/L	0.017299	6.44%
Selenium,7782-49-2†	-2.9	-0.00611	mg/L	0.009527	-0.00611	mg/L	0.009527	156.03%
Silicon,7440-21-3†	1.1	0.01715	mg/L	0.030476	0.01715	mg/L	0.030476	177.75%
Silver,7440-22-4†	-558.9	-0.00407	mg/L	0.000401	-0.00407	mg/L	0.000401	9.86%
Sodium,7440-23-5†	14.9	0.00972	mg/L	0.028074	0.00972	mg/L	0.028074	288.72%
Strontium,7440-24-6†	-62.4	-0.00064	mg/L	0.000016	-0.00064	mg/L	0.000016	2.47%
Thallium,7440-28-0†	5.9	0.00850	mg/L	0.011777	0.00850	mg/L	0.011777	138.62%
Tin,7440-31-5†	-2.0	-0.00123	mg/L	0.001698	-0.00123	mg/L	0.001698	137.76%
Titanium,7440-32-6†	224.7	0.00086	mg/L	0.000644	0.00086	mg/L	0.000644	75.15%
Vanadium,7440-62-2†	-371.7	-0.00573	mg/L	0.001151	-0.00573	mg/L	0.001151	20.08%
Zinc,7440-66-6†	-81.8	-0.00282	mg/L	0.000285	-0.00282	mg/L	0.000285	10.09%
Zirconium,7440-67-7†	-110.3	-0.00063	mg/L	0.000361	-0.00063	mg/L	0.000361	57.27%

Sequence No.: 77
Sample ID: 1800

Autosampler Location: 7
Date Collected: 12/22/2007 11:21:55 PM

169927

Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Data Type: Reprocessed on 12/24/2007 11:43:00 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2113415.5	108.874	%	0.9423				0.87%
Yttrium,7440-65-5A	1207808.7	107.536	%	0.8461				0.79%
Yttrium,7440-65-5R	66994.7	111.911	%	0.3846				0.34%
Ar 420.067 R	951661.7	101.833	%	0.6582				0.65%
Ar 363.268 A	43127.8	103.160	%	0.0728				0.07%
Aluminum,7429-90-5†	954.1	5.14371	mg/L	0.006225	5.14371	mg/L	0.006225	0.12%
QC value within limits for Aluminum,7429-90-5 Recovery = 102.87%								
Antimony,7440-36-0†	325.8	0.52266	mg/L	0.006715	0.52266	mg/L	0.006715	1.28%
QC value within limits for Antimony,7440-36-0 Recovery = 104.53%								
Arsenic,7440-38-2†	234.1	0.50986	mg/L	0.003515	0.50986	mg/L	0.003515	0.69%
QC value within limits for Arsenic,7440-38-2 Recovery = 101.97%								
Barium,7440-39-3†	22896.6	0.50238	mg/L	0.007797	0.50238	mg/L	0.007797	1.55%
QC value within limits for Barium,7440-39-3 Recovery = 100.48%								
Beryllium,7440-41-7†	766529.5	0.51012	mg/L	0.000992	0.51012	mg/L	0.000992	0.19%
QC value within limits for Beryllium,7440-41-7 Recovery = 102.02%								
Boron,7440-42-8†	27928.9	2.48200	mg/L	0.030187	2.48200	mg/L	0.030187	1.22%
QC value within limits for Boron,7440-42-8 Recovery = 99.28%								
Cadmium,7440-43-9†	17982.7	0.49769	mg/L	0.005907	0.49769	mg/L	0.005907	1.19%
QC value within limits for Cadmium,7440-43-9 Recovery = 99.54%								
Calcium,7440-70-2†	6267.0	5.07003	mg/L	0.018820	5.07003	mg/L	0.018820	0.37%
QC value within limits for Calcium,7440-70-2 Recovery = 101.40%								
Chromium,7440-47-3†	20276.6	0.50850	mg/L	0.007845	0.50850	mg/L	0.007845	1.54%
QC value within limits for Chromium,7440-47-3 Recovery = 101.70%								
Cobalt,7440-48-4†	7309.4	0.50809	mg/L	0.001435	0.50809	mg/L	0.001435	0.28%
QC value within limits for Cobalt,7440-48-4 Recovery = 101.62%								
Copper,7440-50-8†	55330.6	0.49645	mg/L	0.008208	0.49645	mg/L	0.008208	1.65%
QC value within limits for Copper,7440-50-8 Recovery = 99.29%								
Iron,7439-89-6†	1882.9	4.96826	mg/L	0.017300	4.96826	mg/L	0.017300	0.35%
QC value within limits for Iron,7439-89-6 Recovery = 99.37%								
Lead,7439-92-1†	2563.5	0.50555	mg/L	0.002448	0.50555	mg/L	0.002448	0.48%
QC value within limits for Lead,7439-92-1 Recovery = 101.11%								
Lithium,7439-93-2†	28782.7	0.49858	mg/L	0.001995	0.49858	mg/L	0.001995	0.40%
QC value within limits for Lithium,7439-93-2 Recovery = 99.72%								
Magnesium,7439-95-4†	423.4	5.14914	mg/L	0.006102	5.14914	mg/L	0.006102	0.12%
QC value within limits for Magnesium,7439-95-4 Recovery = 102.98%								
Manganese,7439-96-5†	134000.4	0.50715	mg/L	0.006958	0.50715	mg/L	0.006958	1.37%
QC value within limits for Manganese,7439-96-5 Recovery = 101.43%								
Molybdenum,7439-98-7†	3267.0	0.49573	mg/L	0.003217	0.49573	mg/L	0.003217	0.65%
QC value within limits for Molybdenum,7439-98-7 Recovery = 99.15%								
Nickel,7440-02-0†	10413.8	0.51287	mg/L	0.008571	0.51287	mg/L	0.008571	1.67%
QC value within limits for Nickel,7440-02-0 Recovery = 102.57%								
Potassium,7440-09-7†	13441.0	9.98554	mg/L	0.204697	9.98554	mg/L	0.204697	2.05%
QC value within limits for Potassium,7440-09-7 Recovery = 99.86%								
Selenium,7782-49-2†	246.7	0.51918	mg/L	0.014456	0.51918	mg/L	0.014456	2.78%
QC value within limits for Selenium,7782-49-2 Recovery = 103.84%								
Silicon,7440-21-3†	312.7	5.02017	mg/L	0.054547	5.02017	mg/L	0.054547	1.09%
QC value within limits for Silicon,7440-21-3 Recovery = 100.40%								
Silver,7440-22-4†	68507.5	0.49942	mg/L	0.007357	0.49942	mg/L	0.007357	1.47%
QC value within limits for Silver,7440-22-4 Recovery = 99.88%								
Sodium,7440-23-5†	30149.4	19.6840	mg/L	0.11984	19.6840	mg/L	0.11984	0.61%
QC value within limits for Sodium,7440-23-5 Recovery = 98.42%								
Strontium,7440-24-6†	46984.9	0.48722	mg/L	0.001517	0.48722	mg/L	0.001517	0.31%
QC value within limits for Strontium,7440-24-6 Recovery = 97.44%								
Thallium,7440-28-0†	354.6	0.52480	mg/L	0.002411	0.52480	mg/L	0.002411	0.46%
QC value within limits for Thallium,7440-28-0 Recovery = 104.96%								
Tin,7440-31-5†	802.4	0.50867	mg/L	0.002300	0.50867	mg/L	0.002300	0.45%
QC value within limits for Tin,7440-31-5 Recovery = 101.73%								
Titanium,7440-32-6†	133104.6	0.50745	mg/L	0.000947	0.50745	mg/L	0.000947	0.19%
QC value within limits for Titanium,7440-32-6 Recovery = 101.49%								
Vanadium,7440-62-2†	32126.0	0.49525	mg/L	0.007892	0.49525	mg/L	0.007892	1.59%
QC value within limits for Vanadium,7440-62-2 Recovery = 99.05%								
Zinc,7440-66-6†	14680.9	0.50256	mg/L	0.007506	0.50256	mg/L	0.007506	1.49%

169928

QC value within limits for Zinc,7440-66-6 Recovery = 100.51%
Zirconium,7440-67-7† 87850.8 0.50381 mg/L 0.007995 0.50381 mg/L 0.007995 1.59%
QC value within limits for Zirconium,7440-67-7 Recovery = 100.76%
All analyte(s) passed QC.

Sequence No.: 78 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 12/22/2007 11:29:11 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:43:02 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2156205.6	111.078	%	1.0520				0.95%
Yttrium,7440-65-5A	1242735.9	110.646	%	1.0118				0.91%
Yttrium,7440-65-5R	67557.0	112.850	%	0.6737				0.60%
Ar 420.067 R	946665.5	101.298	%	0.6943				0.69%
Ar 363.268 A	42978.7	102.803	%	0.4652				0.45%
Aluminum,7429-90-5†	45.3	0.24486	mg/L	0.029355	0.24486	mg/L	0.029355	11.99%
QC value greater than the upper limit for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	3.5	0.00558	mg/L	0.007465	0.00558	mg/L	0.007465	133.72%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-2.7	-0.00589	mg/L	0.004128	-0.00589	mg/L	0.004128	70.07%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	-13.9	-0.00030	mg/L	0.000074	-0.00030	mg/L	0.000074	24.79%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-291.7	-0.00019	mg/L	0.000028	-0.00019	mg/L	0.000028	14.77%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	382.9	0.03396	mg/L	0.007541	0.03396	mg/L	0.007541	22.21%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	11.0	0.00031	mg/L	0.000213	0.00031	mg/L	0.000213	69.01%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-26.6	-0.02150	mg/L	0.006384	-0.02150	mg/L	0.006384	29.69%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-47.7	-0.00120	mg/L	0.000155	-0.00120	mg/L	0.000155	12.87%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	6.8	0.00047	mg/L	0.000564	0.00047	mg/L	0.000564	120.53%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-279.6	-0.00252	mg/L	0.000953	-0.00252	mg/L	0.000953	37.81%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	2.8	0.00744	mg/L	0.003052	0.00744	mg/L	0.003052	41.04%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-16.8	-0.00326	mg/L	0.001556	-0.00326	mg/L	0.001556	47.73%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-103.1	-0.00179	mg/L	0.001544	-0.00179	mg/L	0.001544	86.44%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	4.4	0.05385	mg/L	0.034314	0.05385	mg/L	0.034314	63.72%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	70.7	0.00026	mg/L	0.000084	0.00026	mg/L	0.000084	31.80%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	0.3	0.00005	mg/L	0.001357	0.00005	mg/L	0.001357	>999.9%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	6.9	0.00034	mg/L	0.000477	0.00034	mg/L	0.000477	141.04%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	344.9	0.25630	mg/L	0.046290	0.25630	mg/L	0.046290	18.06%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-3.1	-0.00651	mg/L	0.004311	-0.00651	mg/L	0.004311	66.18%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	3.8	0.06158	mg/L	0.004910	0.06158	mg/L	0.004910	7.97%
QC value greater than the upper limit for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	-544.0	-0.00396	mg/L	0.000699	-0.00396	mg/L	0.000699	17.68%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	38.8	0.02531	mg/L	0.017378	0.02531	mg/L	0.017378	68.65%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	-66.6	-0.00069	mg/L	0.000603	-0.00069	mg/L	0.000603	87.58%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	4.7	0.00680	mg/L	0.005938	0.00680	mg/L	0.005938	87.28%

169929

QC value within limits for Thallium,7440-28-0 Recovery = Not calculated

Tin,7440-31-5†	4.4	0.00278	mg/L	0.000777	0.00278	mg/L	0.000777 28.00%

QC value within limits for Tin,7440-31-5 Recovery = Not calculated

Titanium,7440-32-6†	541.9	0.00207	mg/L	0.000239	0.00207	mg/L	0.000239 11.59%

QC value within limits for Titanium,7440-32-6 Recovery = Not calculated

Vanadium,7440-62-2†	-380.4	-0.00587	mg/L	0.001392	-0.00587	mg/L	0.001392 23.71%

QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated

Zinc,7440-66-6†	-14.6	-0.00051	mg/L	0.000362	-0.00051	mg/L	0.000362 71.00%

QC value within limits for Zinc,7440-66-6 Recovery = Not calculated

Zirconium,7440-67-7†	-83.8	-0.00048	mg/L	0.000417	-0.00048	mg/L	0.000417 87.07%

QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated

QC Failed. Continue with analysis.

==========

Sequence No.: 79 **Autosampler Location: 77**
Sample ID: 557897 **Date Collected: 12/22/2007 11:36:17 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:43:03 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 557897

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2171553.4	111.869	%	0.3161				0.28%
Yttrium,7440-65-5A	1253688.4	111.621	%	0.3269				0.29%
Yttrium,7440-65-5R	69025.7	115.303	%	0.2738				0.24%
Ar 420.067 R	952787.8	101.953	%	0.8906				0.87%
Ar 363.268 A	42653.8	102.026	%	0.1418				0.14%
Aluminum,7429-90-5†	49.5	0.26731	mg/L	0.041448	0.26731	mg/L	0.041448	15.51%
Antimony,7440-36-0†	-3.9	-0.00626	mg/L	0.008585	-0.00626	mg/L	0.008585	137.09%
Arsenic,7440-38-2†	0.7	0.00126	mg/L	0.000520	0.00126	mg/L	0.000520	41.30%
Barium,7440-39-3†	-25.4	-0.00055	mg/L	0.000197	-0.00055	mg/L	0.000197	35.70%
Beryllium,7440-41-7†	-415.0	-0.00027	mg/L	0.000034	-0.00027	mg/L	0.000034	12.38%
Boron,7440-42-8†	282.4	0.02505	mg/L	0.004925	0.02505	mg/L	0.004925	19.66%
Cadmium,7440-43-9†	9.7	0.00027	mg/L	0.000093	0.00027	mg/L	0.000093	33.97%
Calcium,7440-70-2†	19.3	0.01562	mg/L	0.006588	0.01562	mg/L	0.006588	42.16%
Chromium,7440-47-3†	-49.2	-0.00124	mg/L	0.000709	-0.00124	mg/L	0.000709	57.27%
Cobalt,7440-48-4†	6.7	0.00047	mg/L	0.000417	0.00047	mg/L	0.000417	89.75%
Copper,7440-50-8†	-590.4	-0.00532	mg/L	0.000481	-0.00532	mg/L	0.000481	9.03%
Iron,7439-89-6†	5.9	0.01566	mg/L	0.010129	0.01566	mg/L	0.010129	64.69%
Lead,7439-92-1†	-29.9	-0.00582	mg/L	0.001307	-0.00582	mg/L	0.001307	22.47%
Lithium,7439-93-2†	-169.9	-0.00294	mg/L	0.001405	-0.00294	mg/L	0.001405	47.74%
Magnesium,7439-95-4†	11.5	0.13960	mg/L	0.034463	0.13960	mg/L	0.034463	24.69%
Manganese,7439-96-5†	21.1	0.00008	mg/L	0.000070	0.00008	mg/L	0.000070	92.19%
Molybdenum,7439-98-7†	4.9	0.00076	mg/L	0.000596	0.00076	mg/L	0.000596	78.98%
Nickel,7440-02-0†	-25.2	-0.00124	mg/L	0.000331	-0.00124	mg/L	0.000331	26.63%
Potassium,7440-09-7†	277.6	0.20629	mg/L	0.054997	0.20629	mg/L	0.054997	26.66%
Selenium,7782-49-2†	1.7	0.00349	mg/L	0.011823	0.00349	mg/L	0.011823	339.10%
Silicon,7440-21-3†	2.0	0.03235	mg/L	0.048423	0.03235	mg/L	0.048423	149.68%
Silver,7440-22-4†	-661.3	-0.00481	mg/L	0.000234	-0.00481	mg/L	0.000234	4.86%
Sodium,7440-23-5†	-83.1	-0.05430	mg/L	0.034049	-0.05430	mg/L	0.034049	62.70%
Strontium,7440-24-6†	-86.0	-0.00089	mg/L	0.000409	-0.00089	mg/L	0.000409	45.96%
Thallium,7440-28-0†	3.1	0.00440	mg/L	0.004157	0.00440	mg/L	0.004157	94.59%
Tin,7440-31-5†	1.5	0.00092	mg/L	0.001848	0.00092	mg/L	0.001848	200.73%
Titanium,7440-32-6†	301.2	0.00115	mg/L	0.001359	0.00115	mg/L	0.001359	118.28%
Vanadium,7440-62-2†	-466.7	-0.00720	mg/L	0.000846	-0.00720	mg/L	0.000846	11.76%
Zinc,7440-66-6†	-9.5	-0.00032	mg/L	0.000226	-0.00032	mg/L	0.000226	70.08%
Zirconium,7440-67-7†	-137.0	-0.00078	mg/L	0.000195	-0.00078	mg/L	0.000195	24.87%

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Sequence No.: 80 **Autosampler Location: 78**
Sample ID: 557898 **Date Collected: 12/22/2007 11:43:23 PM**
Analyst: **Data Type: Reprocessed on 12/24/2007 11:43:05 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 557898

169930

MERCURY

SnCl2 ID 172-16-9
NaCl2/(NH2OH)2 172-16-8
INSTRUMENT FIMS

ANALYST DJH
DATE 12/21/2007
TIME 09:03

r = 0.999935

AS LOC	HSN / CLIENT		SAMPLE ID	DILUTION	MATRIX	RECOVERY
9	ICV-1600					103
1	ICB-1700					
5	CCV-1800					101
1	CCB-1900					
17	557951		~~MB for HBN 363838 S~~ RR		Solid	
18	557952		LCS for HBN 363838 S		Solid	113
19	--- 4569 ---	R	20712200901		Solid	
20		R	20712200902 MS		Solid	103
21		R	20712200903 MSD		Solid	99
22	558391	R	20712200901 SD	5 X	↓	
23	~~557932~~	R	20712200904 FLDDUP		Solid	
24	~~AJW12-21-07~~	R	20712200909		Solid	
25		R	20712200910		Solid	
26		R	20712200914		Solid	
5	CCV-1800					107
1	CCB-1900					
27		R	20712200915		Solid	
28		R	20712200916		Solid	
29		R	20712200917		Solid	
30		R	~~20712200918~~ RR		Solid	
31		R	~~20712200919~~ RR		Solid	
32	558104		MB for HBN 363852 S		Solid	
33	558105		LCS for HBN 363852 S		Solid	99
34	--- 4482 ---	N	20712202001		Solid	
35		N	20712202002 MS		Solid	114
36		N	20712202003 MSD		Solid	119
5	CCV-1800					87
1	CCB-1900					
37	558392	N	20712202001 SD	5 X	Solid	
38		R	20712203501		Solid	
39		R	20712203502		Solid	
40		R	~~20712203503~~ RR		Solid	
41		R	20712203504		Solid	
42		R	20712203505		Solid	
43		R	~~20712203506~~ RR		Solid	
44						
45						
46						
5	CCV-1800					93
1	CCB-1900					
47	557951		MB for HBN 363838 S		Solid	
48		R	20712200918		↓	
49		R	20712200919			
50		R	20712203503			
51		R	20712203506			
52						
53						
54						
55						
56						
5	CCV-1800					99
1	CCB-1900					

CONTROL LIMITS

ICV : 90-110%
CCV: 80-120%

COMMENTS:
3708 , 363903

Calibration ID: 20712205
HG STD ID: 173-5-10
Hg ICV 173-6-1

ANALYST QC REV: DJH
SECONDARY REV: AJW

Go to page 2

Analysis Begun

Logged In Analyst: met
Technique: AA FIMS-MHS
Spectrometer Model: FIMS-400
Autosampler Model: AS-90

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID:
Results Data Set: 2071221 S
Results Library: C:\data-AA\met\Results\Results.mdb

Method Loaded
Method Name: Mercury
Method Last Saved: 12/21/2007 8:50:45 AM
Method Description: Mercury

Sequence No.: 1
Autosampler Location: 1
Sample ID: Calibration Blank
Date Collected: 12/21/2007 9:02:36 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Replicate Data: Calibration Blank

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	0.002	0.002	0.000	09:03:25	Yes
2		[0.00]	0.001	0.001	0.000	09:03:53	Yes
Mean:		[0.00]	0.002				
SD:		0.00	0.0003				
%RSD:		0.00	16.48				

Auto-zero performed.

Sequence No.: 2
Autosampler Location: 2
Sample ID: STD 1
Date Collected: 12/21/2007 9:04:12 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Replicate Data: STD 1

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.200000]	0.014	0.016	0.003	09:05:00	Yes
2		[0.200000]	0.014	0.016	0.003	09:05:29	Yes
Mean:		[0.200000]	0.014				
SD:		0.000000	0.0001				
%RSD:		0.000000	0.41				

Standard number 1 applied. [0.200000]
Correlation Coef.: 1.000000 Slope: 0.06969 Intercept: 0.00000

Sequence No.: 3
Autosampler Location: 3
Sample ID: STD 2
Date Collected: 12/21/2007 9:05:48 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Replicate Data: STD 2

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.5]	0.022	0.024	0.005	09:06:38	Yes
2		[0.5]	0.023	0.024	0.005	09:07:06	Yes
Mean:		[0.5]	0.022				
SD:		0.0	0.0001				
%RSD:		0.0	0.49				

Standard number 2 applied. [0.5]

169932

Correlation Coef.: 0.968225 Slope: 0.04365 Intercept: 0.00195

Sequence No.: 4 **Autosampler Location: 4**
Sample ID: STD 3 **Date Collected: 12/21/2007 9:07:27 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: STD 3

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[2.0]	0.088	0.090	0.019	09:08:17	Yes
2		[2.0]	0.088	0.090	0.019	09:08:45	Yes
Mean:		[2.0]	0.088				
SD:		0.0	0.0000				
%RSD:		0.0	0.02				

Standard number 3 applied. [2.0]
Correlation Coef.: 0.998252 Slope: 0.04319 Intercept: 0.00205

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: STD 4 **Date Collected: 12/21/2007 9:09:05 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: STD 4

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[5.0]	0.225	0.227	0.047	09:09:55	Yes
2		[5.0]	0.221	0.223	0.047	09:10:24	Yes
Mean:		[5.0]	0.223				
SD:		0.0	0.0030				
%RSD:		0.0	1.33				

Standard number 4 applied. [5.0]
Correlation Coef.: 0.999716 Slope: 0.04425 Intercept: 0.00148

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: STD 5 **Date Collected: 12/21/2007 9:10:44 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: STD 5

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[10.0]	0.447	0.448	0.094	09:11:35	Yes
2		[10.0]	0.444	0.446	0.094	09:12:04	Yes
Mean:		[10.0]	0.445				
SD:		0.0	0.0018				
%RSD:		0.0	0.39				

Standard number 5 applied. [10.0]
Correlation Coef.: 0.999935 Slope: 0.04437 Intercept: 0.00135

Calibration data for Hg 253.7 **Equation: Linear, Calculated Intercept**

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calibration Blank	0.0000	0	-0.030371	0.00	16.5
STD 1	0.0139	0.200000	0.283754	0.00	0.4
STD 2	0.0225	0.5	0.476199	0.00	0.5
STD 3	0.0884	2.0	1.961661	0.00	0.0
STD 4	0.2233	5.0	5.003148	0.00	1.3
STD 5	0.4453	10.0	10.005609	0.00	0.4

Correlation Coef.: 0.999935 Slope: 0.04437 Intercept: 0.00135

169933

Analysis Begun

Logged In Analyst: met
Technique: AA FIMS-MHS
Spectrometer Model: FIMS-400
Autosampler Model: AS-90

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID:
Results Data Set: 2071221 S
Results Library: C:\data-AA\met\Results\Results.mdb

Sequence No.: 1
Autosampler Location: 9
Sample ID: 1600
Date Collected: 12/21/2007 9:13:59 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Replicate Data: 1600

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005235	5.2351	0.234	0.235	0.049	09:14:47	Yes
2	0.005048	5.0482	0.225	0.227	0.048	09:15:16	Yes
Mean:	0.005142	5.1416	0.229				
SD:	0.000132	0.13214	0.0059				
%RSD:	2.5700	2.5700	2.55				

QC value within limits for Hg 253.7 Recovery = 102.83%
All analyte(s) passed QC.

Sequence No.: 2
Autosampler Location: 1
Sample ID: 1700
Date Collected: 12/21/2007 9:15:35 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Replicate Data: 1700

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000009	-0.008617	0.001	0.003	0.000	09:16:23	Yes
2	-0.000004	-0.003994	0.001	0.003	0.000	09:16:52	Yes
Mean:	-0.000006	-0.006306	0.001				
SD:	0.000003	0.003269	0.0001				
%RSD:	51.850	51.850	13.59				

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

Sequence No.: 3
Autosampler Location: 5
Sample ID: 1800
Date Collected: 12/21/2007 9:17:11 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005033	5.0330	0.225	0.226	0.048	09:18:01	Yes
2	0.005019	5.0188	0.224	0.226	0.047	09:18:30	Yes
Mean:	0.005026	5.0259	0.224				
SD:	0.000010	0.010019	0.0004				
%RSD:	0.19934	0.19934	0.20				

QC value within limits for Hg 253.7 Recovery = 100.52%
All analyte(s) passed QC.

Sequence No.: 4
Autosampler Location: 1

169934

Sample ID: 1900
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 12/21/2007 9:18:50 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1900

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000035	-0.034850	-0.000	0.001	0.000	09:19:39	Yes
2	-0.000023	-0.023358	0.000	0.002	0.000	09:20:07	Yes
Mean:	-0.000029	-0.029104	0.000				
SD:	0.000008	0.008126	0.0004				
%RSD:	27.922	27.922	641.12				

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

Sequence No.: 5
Sample ID: 557952
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

RR DJH 12/21/07

Autosampler Location: 17
Date Collected: 12/21/2007 9:20:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 557952

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.010421	0.20842	0.011	0.012	0.002	09:21:14	Yes
2	0.009104	0.18208	0.009	0.011	0.002	09:21:43	Yes
Mean:	0.009762	0.19525	0.010				
SD:	0.000931	0.018621	0.0008				
%RSD:	9.5369	9.5369	8.25				

Sequence No.: 6
Sample ID: ~~557951~~ 557952 AJW 12-21-07
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 18
Date Collected: 12/21/2007 9:22:01 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: ~~557951~~

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.28574	5.7148	0.255	0.257	0.053	09:22:49	Yes
2	0.27769	5.5538	0.248	0.249	0.051	09:23:18	Yes
Mean:	0.28171	5.6343	0.251				
SD:	0.005693	0.11386	0.0051				
%RSD:	2.0209	2.0209	2.01				

Sequence No.: 7
Sample ID: 20712200901
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 19
Date Collected: 12/21/2007 9:23:36 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20712200901

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.096906	1.9381	0.087	0.089	0.018	09:24:25	Yes
2	0.096984	1.9397	0.087	0.089	0.018	09:24:54	Yes
Mean:	0.096945	1.9389	0.087				
SD:	0.000055	0.001108	0.0000				
%RSD:	0.057136	0.057136	0.06				

Sequence No.: 8
Sample ID: 20712200902

Autosampler Location: 20
Date Collected: 12/21/2007 9:25:12 AM

169935

Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20712200902

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.36090	7.2180	0.322	0.323	0.067	09:26:01	Yes
2	0.34808	6.9616	0.310	0.312	0.065	09:26:30	Yes
Mean:	0.35449	7.0898	0.316				
SD:	0.009066	0.18131	0.0080				
%RSD:	2.5574	2.5574	2.55				

Sequence No.: 9
Sample ID: 20712200903
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 21
Date Collected: 12/21/2007 9:26:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20712200903

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.34860	6.9719	0.311	0.312	0.063	09:27:37	Yes
2	0.34102	6.8203	0.304	0.306	0.061	09:28:06	Yes
Mean:	0.34481	6.8961	0.307				
SD:	0.005360	0.10720	0.0048				
%RSD:	1.5544	1.5544	1.55				

Sequence No.: 10
Sample ID: 558391
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 5X

Autosampler Location: 22
Date Collected: 12/21/2007 9:28:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 558391

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.10780	0.43121	0.020	0.022	0.005	09:29:15	Yes
2	0.11455	0.45822	0.022	0.023	0.005	09:29:43	Yes
Mean:	0.11118	0.44471	0.021				
SD:	0.004775	0.019098	0.0008				
%RSD:	4.2945	4.2945	4.02				

Sequence No.: 11
Sample ID: 557932
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 23
Date Collected: 12/21/2007 9:30:03 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 557932

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.075816	1.5163	0.069	0.070	0.014	09:30:52	Yes
2	0.073800	1.4760	0.067	0.068	0.014	09:31:21	Yes
Mean:	0.074808	1.4962	0.068				
SD:	0.001426	0.028514	0.0013				
%RSD:	1.9058	1.9058	1.87				

Sequence No.: 12
Sample ID: 20712200909
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X

Autosampler Location: 24
Date Collected: 12/21/2007 9:31:41 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

169936

Replicate Data: 20712200909

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.034765	0.70688	0.033	0.034	0.007	09:32:31	Yes
2	0.032958	0.67015	0.031	0.033	0.006	09:33:00	Yes
Mean:	0.033861	0.68851	0.032				
SD:	0.001277	0.025975	0.0012				
%RSD:	3.7726	3.7726	3.61				

Sequence No.: 13 Autosampler Location: 25
Sample ID: 20712200910 Date Collected: 12/21/2007 9:33:19 AM
Analyst: Data Type: Original
Initial Sample Wt: 0.61 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20712200910

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.029977	0.60952	0.028	0.030	0.006	09:34:09	Yes
2	0.024381	0.49574	0.023	0.025	0.005	09:34:38	Yes
Mean:	0.027179	0.55263	0.026				
SD:	0.003957	0.080458	0.0036				
%RSD:	14.559	14.559	13.80				

Sequence No.: 14 Autosampler Location: 26
Sample ID: 20712200914 Date Collected: 12/21/2007 9:34:58 AM
Analyst: Data Type: Original
Initial Sample Wt: 0.6 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20712200914

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.035584	0.71169	0.033	0.035	0.006	09:35:48	Yes
2	0.041601	0.83202	0.038	0.040	0.006	09:36:17	Yes
Mean:	0.038593	0.77185	0.036				
SD:	0.004254	0.085084	0.0038				
%RSD:	11.023	11.023	10.61				

Sequence No.: 15 Autosampler Location: 5
Sample ID: 1800 Date Collected: 12/21/2007 9:36:38 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005461	5.4609	0.244	0.245	0.045	09:37:28	Yes
2	0.005278	5.2782	0.236	0.237	0.046	09:37:57	Yes
Mean:	0.005370	5.3696	0.240				
SD:	0.000129	0.12924	0.0057				
%RSD:	2.4068	2.4068	2.39				

QC value within limits for Hg 253.7 Recovery = 107.39%
All analyte(s) passed QC.

Sequence No.: 16 Autosampler Location: 1
Sample ID: 1900 Date Collected: 12/21/2007 9:38:17 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

169937

Replicate Data: 1900

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000028	-0.027659	0.000	0.002	0.000	09:39:05	Yes
2	-0.000052	-0.051802	-0.001	0.001	0.000	09:39:34	Yes
Mean:	-0.000040	-0.039730	-0.000				
SD:	0.000017	0.017071	0.0008				
%RSD:	42.968	42.968	182.41				

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

Sequence No.: 17 Autosampler Location: 27
Sample ID: 20712200915 Date Collected: 12/21/2007 9:44:14 AM
Analyst: Data Type: Original
Initial Sample Wt: 0.61 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20712200915

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.036349	0.73911	0.034	0.036	0.006	09:44:57	Yes
2	0.035462	0.72106	0.033	0.035	0.007	09:45:21	Yes
Mean:	0.035906	0.73008	0.034				
SD:	0.000627	0.012759	0.0006				
%RSD:	1.7476	1.7476	1.68				

Sequence No.: 18 Autosampler Location: 28
Sample ID: 20712200916 Date Collected: 12/21/2007 9:45:39 AM
Analyst: Data Type: Original
Initial Sample Wt: 0.61 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20712200916

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.028767	0.58493	0.027	0.029	0.005	09:46:21	Yes
2	0.026933	0.54764	0.026	0.027	0.005	09:46:45	Yes
Mean:	0.027850	0.56628	0.026				
SD:	0.001297	0.026367	0.0012				
%RSD:	4.6561	4.6561	4.42				

Sequence No.: 19 Autosampler Location: 29
Sample ID: 20712200917 Date Collected: 12/21/2007 9:47:03 AM
Analyst: Data Type: Original
Initial Sample Wt: 0.6 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20712200917

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.043817	0.87633	0.040	0.042	0.006	09:47:45	Yes
2	0.034001	0.68003	0.032	0.033	0.005	09:48:09	Yes
Mean:	0.038909	0.77818	0.036				
SD:	0.006940	0.13881	0.0062				
%RSD:	17.838	17.838	17.17				

Sequence No.: 20 Autosampler Location: 30
Sample ID: 20712200918 Date Collected: 12/21/2007 9:48:26 AM
Analyst: Data Type: Original
Initial Sample Wt: 0.6 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

RK DTH 12/21/07

169938

Replicate Data: 20712200918

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.037962	0.75923	0.035	0.037	0.006	09:49:14	Yes
2	0.019635	0.39270	0.019	0.020	0.004	09:49:41	Yes
Mean:	0.028798	0.57597	0.027				
SD:	0.012959	0.25918	0.0115				
%RSD:	44.999	44.999	42.74				

Sequence No.: 21
Sample ID: 20712200919
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X

Autosampler Location: 31
Date Collected: 12/21/2007 9:50:01 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

RL DWK 12/21/07

Replicate Data: 20712200919

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.021247	0.43202	0.021	0.022	0.004	09:50:49	Yes
2	0.005197	0.10568	0.006	0.008	0.001	09:51:16	Yes
Mean:	0.013222	0.26885	0.013				
SD:	0.011349	0.23076	0.0102				
%RSD:	85.831	85.831	77.12				

Sequence No.: 22
Sample ID: 558104
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 32
Date Collected: 12/21/2007 9:51:37 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 558104

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.006616	0.13232	0.007	0.009	0.002	09:52:22	Yes
2	0.007104	0.14207	0.008	0.009	0.002	09:52:48	Yes
Mean:	0.006860	0.13720	0.007				
SD:	0.000345	0.006895	0.0003				
%RSD:	5.0257	5.0257	4.11				

Sequence No.: 23
Sample ID: 558105
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 33
Date Collected: 12/21/2007 9:53:05 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 558105

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.24577	4.9155	0.219	0.221	0.045	09:53:52	Yes
2	0.25018	5.0037	0.223	0.225	0.042	09:54:20	Yes
Mean:	0.24798	4.9596	0.221				
SD:	0.003119	0.062388	0.0028				
%RSD:	1.2579	1.2579	1.25				

Sequence No.: 24
Sample ID: 20712202001
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 34
Date Collected: 12/21/2007 9:54:37 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20712202001

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

1	0.017297	0.34593	0.017	0.018	0.003	09:55:24	Yes
2	0.021906	0.43811	0.021	0.022	0.003	09:55:53	Yes
Mean:	0.019601	0.39202	0.019				
SD:	0.003259	0.065179	0.0029				
%RSD:	16.626	16.626	15.43				

Sequence No.: 25 **Autosampler Location: 35**
Sample ID: 20712202002 **Date Collected: 12/21/2007 9:56:11 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: 0.6 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 30 mL**

Replicate Data: 20712202002

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.30588	6.1175	0.273	0.274	0.044	09:56:58	Yes
2	0.30288	6.0576	0.270	0.272	0.042	09:57:26	Yes
Mean:	0.30438	6.0876	0.271				
SD:	0.002119	0.042371	0.0019				
%RSD:	0.69603	0.69603	0.69				

Sequence No.: 26 **Autosampler Location: 36**
Sample ID: 20712202003 **Date Collected: 12/21/2007 9:57:44 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: 0.6 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 30 mL**

Replicate Data: 20712202003

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.27394	5.4788	0.244	0.246	0.043	09:58:32	Yes
2	0.35854	7.1708	0.320	0.321	0.046	09:59:01	Yes
Mean:	0.31624	6.3248	0.282				
SD:	0.059822	1.1964	0.0531				
%RSD:	18.917	18.917	18.83				

Sequence No.: 27 **Autosampler Location: 5**
Sample ID: 1800 **Date Collected: 12/21/2007 9:59:20 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004141	4.1412	0.185	0.187	0.036	10:00:10	Yes
2	0.004568	4.5676	0.204	0.206	0.040	10:00:38	Yes
Mean:	0.004354	4.3544	0.195				
SD:	0.000301	0.30145	0.0134				
%RSD:	6.9229	6.9229	6.87				

QC value within limits for Hg 253.7 Recovery = 87.09%
All analyte(s) passed QC.

Sequence No.: 28 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 12/21/2007 10:00:59 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1900

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000023	-0.022818	0.000	0.002	0.000	10:01:47	Yes

169940

2	-0.000002	-0.002151	0.001	0.003	0.000	10:02:16	Yes
Mean:	-0.000012	-0.012484	0.001				
SD:	0.000015	0.014613	0.0006				
%RSD:	117.06	117.06	81.70				

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

Sequence No.: 29 **Autosampler Location: 37**
Sample ID: 558392 **Date Collected: 12/21/2007 10:02:34 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: 0.6 g **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol: 30 mL**

Replicate Data: 558392

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.005711	-0.022842	0.000	0.002	0.001	10:03:23	Yes
2	-0.008613	-0.034453	-0.000	0.001	0.000	10:03:52	Yes
Mean:	-0.007162	-0.028648	0.000				
SD:	0.002053	0.008210	0.0004				
%RSD:	28.659	28.659	476.39				

Sequence No.: 30 **Autosampler Location: 38**
Sample ID: 20712203501 **Date Collected: 12/21/2007 10:04:10 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: 0.61 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 30 mL**

Replicate Data: 20712203501

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.022490	0.45729	0.022	0.023	0.004	10:04:59	Yes
2	0.026860	0.54615	0.026	0.027	0.004	10:05:28	Yes
Mean:	0.024675	0.50172	0.024				
SD:	0.003090	0.062837	0.0028				
%RSD:	12.524	12.524	11.81				

Sequence No.: 31 **Autosampler Location: 39**
Sample ID: 20712203502 **Date Collected: 12/21/2007 10:05:48 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: 0.6 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 30 mL**

Replicate Data: 20712203502

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.029382	0.58764	0.027	0.029	0.005	10:06:37	Yes
2	0.030429	0.60858	0.028	0.030	0.005	10:07:06	Yes
Mean:	0.029906	0.59811	0.028				
SD:	0.000740	0.014805	0.0007				
%RSD:	2.4753	2.4753	2.36				

Sequence No.: 32 **Autosampler Location: 40**
Sample ID: 20712203503 **Date Collected: 12/21/2007 10:07:25 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: 0.6 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 30 mL**

RL DH 12/21/07

Replicate Data: 20712203503

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.009622	0.19244	0.010	0.012	0.002	10:08:15	Yes
2	0.010202	0.20403	0.010	0.012	0.002	10:08:44	Yes

169941

Mean:	0.009912	0.19824	0.010
SD:	0.000410	0.008198	0.0004
%RSD:	4.1354	4.1354	3.59

Sequence No.: 33 — **Autosampler Location: 41**
Sample ID: 20712203504 — **Date Collected: 12/21/2007 10:09:05 AM**
Analyst: — **Data Type: Original**
Initial Sample Wt: 0.6 g — **Initial Sample Vol:**
Dilution: 1X — **Sample Prep Vol: 30 mL**

Replicate Data: 20712203504

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.010006	0.20013	0.010	0.012	0.002	10:09:54	Yes
2	0.010611	0.21222	0.011	0.012	0.002	10:10:23	Yes
Mean:	0.010309	0.20617	0.010				
SD:	0.000427	0.008546	0.0004				
%RSD:	4.1452	4.1452	3.61				

Sequence No.: 34 — **Autosampler Location: 42**
Sample ID: 20712203505 — **Date Collected: 12/21/2007 10:10:43 AM**
Analyst: — **Data Type: Original**
Initial Sample Wt: 0.61 g — **Initial Sample Vol:**
Dilution: 1X — **Sample Prep Vol: 30 mL**

Replicate Data: 20712203505

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.021314	0.43339	0.021	0.022	0.004	10:11:33	Yes
2	0.025619	0.52092	0.024	0.026	0.003	10:12:02	Yes
Mean:	0.023467	0.47715	0.023				
SD:	0.003044	0.061895	0.0027				
%RSD:	12.972	12.972	12.20				

Sequence No.: 35 — **Autosampler Location: 43**
Sample ID: 20712203506 — **Date Collected: 12/21/2007 10:12:23 AM**
Analyst: — **Data Type: Original**
Initial Sample Wt: 0.61 g — **Initial Sample Vol:**
Dilution: 1X — **Sample Prep Vol: 30 mL**

RR DJH 12/21/07

Replicate Data: 20712203506

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.006948	0.14127	0.008	0.009	0.002	10:13:13	Yes
2	0.014844	0.30183	0.015	0.016	0.003	10:13:41	Yes
Mean:	0.010896	0.22155	0.011				
SD:	0.005584	0.11353	0.0050				
%RSD:	51.244	51.244	45.07				

Sequence No.: 36 — **Autosampler Location: 5**
Sample ID: 1800 — **Date Collected: 12/21/2007 10:14:02 AM**
Analyst: — **Data Type: Original**
Initial Sample Wt: — **Initial Sample Vol:**
Dilution: — **Sample Prep Vol:**

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000623	0.62254	0.029	0.031	0.006	10:14:52	Yes

User canceled analysis.

Analysis Begun

169942

Logged In Analyst: met
Technique: AA FIMS-MHS
Spectrometer Model: FIMS-400
Autosampler Model: AS-90

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID:
Results Data Set: 2071221 S
Results Library: C:\data-AA\met\Results\Results.mdb

Sequence No.: 36
Autosampler Location: 5
Sample ID: 1800
Date Collected: 12/21/2007 10:16:22 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

RR DJH 12/21/07 Tubing leaking

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000034	-0.034018	-0.000	0.001	0.000	10:17:12	Yes

User canceled analysis.

Analysis Begun

Logged In Analyst: met
Technique: AA FIMS-MHS
Spectrometer Model: FIMS-400
Autosampler Model: AS-90

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID:
Results Data Set: 2071221 S
Results Library: C:\data-AA\met\Results\Results.mdb

Sequence No.: 36
Autosampler Location: 5
Sample ID: 1800
Date Collected: 12/21/2007 10:21:46 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004755	4.7547	0.212	0.214	0.044	10:22:36	Yes
2	0.004587	4.5874	0.205	0.207	0.044	10:23:05	Yes
Mean:	0.004671	4.6711	0.209				
SD:	0.000118	0.11833	0.0053				
%RSD:	2.5333	2.5333	2.52				

QC value within limits for Hg 253.7 Recovery = 93.42%
All analyte(s) passed QC.

Sequence No.: 37
Autosampler Location: 1
Sample ID: 1900
Date Collected: 12/21/2007 10:23:26 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Replicate Data: 1900

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000030	-0.030051	0.000	0.002	0.000	10:24:14	Yes
2	-0.000022	-0.021909	0.000	0.002	0.000	10:24:43	Yes
Mean:	-0.000026	-0.025980	0.000				
SD:	0.000006	0.005757	0.0003				
%RSD:	22.160	22.160	131.10				

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

169943

MERCURY

SnCl2 ID 172-16-9
NaCl2/(NH2OH)2 172-16-8
INSTRUMENT FIMS

ANALYST DJH
DATE 12/22/2007
TIME 9:36

r = 0.999860

AS LOC	HSN / CLIENT		SAMPLE ID	DILUTION	MATRIX	RECOVERY
9	ICV-1600					102
1	ICB-1700					
5	CCV-1800					97
1	CCB-1900					
17	558550		MB for HBN 363939 W		TCLP	
18	558551		LCS for HBN 363939 W		TCLP	111
19	--- 4547 ---		20712198001		TCLP	
20	558552		20712198001 DUP		TCLP	
21	558553		20712198001 MS		TCLP	106
22	558835		20712198001 SD	5 X	Water	
23			20712198002		TCLP	
24	558312		MB for HBN 363889 W		Water	
25	558313		LCS for HBN 363889 W		Water	94
26	--- 0463 ---	R	20712203507			
5	CCV-1800					86
1	CCB-1900					
27	558314	R	20712203507 DUP		Water	
28	558315	R	20712203507 MS		Water	75
29	558481	R	20712203507 SD	5 X	Water	
30		R	20712200920		Water	
31		N	20712202014		Water	
32		N	20712202015		Water	
33	~~558315~~		~~20712203507 MS~~			~~67~~
34						
35						
36						
5	CCV-1800					104
1	CCB-1900					
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
5	CCV-1800					
1	CCB-1900					
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
5	CCV-1800					
1	CCB-1900					

CONTROL LIMITS

ICV : 90-110%
CCV: 80-120%

COMMENTS:
3710, 363960

Calibration ID: 20712220 W
HG STD ID: 173-5-10
Hg ICV 173-6-1

ANALYST QC REV: DJH
SECONDARY REV: [illegible]

Go to page 2

Analysis Begun

Logged In Analyst: met
Technique: AA FIMS-MHS
Spectrometer Model: FIMS-400
Autosampler Model: AS-90

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID:
Results Data Set: 2071222 W
Results Library: C:\data-AA\met\Results\Results.mdb

Method Loaded
Method Name: Mercury
Method Last Saved: 12/22/2007 9:31:25 AM
Method Description: Mercury

Sequence No.: 1
Autosampler Location: 1
Sample ID: Calibration Blank
Date Collected: 12/22/2007 9:35:22 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Replicate Data: Calibration Blank

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	0.003	0.003	0.001	09:36:11	Yes
2		[0.00]	0.001	0.001	0.000	09:36:39	Yes
Mean:		[0.00]	0.002				
SD:		0.00	0.0011				
%RSD:		0.00	55.84				

Auto-zero performed.

Sequence No.: 2
Autosampler Location: 2
Sample ID: STD 1
Date Collected: 12/22/2007 9:36:58 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Replicate Data: STD 1

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.200000]	0.007	0.008	0.002	09:37:47	Yes
2		[0.200000]	0.006	0.008	0.002	09:38:16	Yes
Mean:		[0.200000]	0.007				
SD:		0.000000	0.0000				
%RSD:		0.000000	0.72				

Standard number 1 applied. [0.200000]
Correlation Coef.: 1.000000 Slope: 0.03254 Intercept: 0.00000

Sequence No.: 3
Autosampler Location: 3
Sample ID: STD 2
Date Collected: 12/22/2007 9:38:35 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Replicate Data: STD 2

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.5]	0.016	0.018	0.003	09:39:25	Yes
2		[0.5]	0.016	0.018	0.003	09:39:53	Yes
Mean:		[0.5]	0.016				
SD:		0.0	0.0001				
%RSD:		0.0	0.39				

Standard number 2 applied. [0.5]

169945

Correlation Coef.: 0.999915 Slope: 0.03159 Intercept: 0.00007

Sequence No.: 4 **Autosampler Location: 4**
Sample ID: STD 3 **Date Collected: 12/22/2007 9:40:14 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: STD 3

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[2.0]	0.062	0.063	0.011	09:41:04	Yes
2		[2.0]	0.061	0.063	0.011	09:41:32	Yes
Mean:		[2.0]	0.061				
SD:		0.0	0.0001				
%RSD:		0.0	0.19				

Standard number 3 applied. [2.0]
Correlation Coef.: 0.999969 Slope: 0.03062 Intercept: 0.00027

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: STD 4 **Date Collected: 12/22/2007 9:41:52 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: STD 4

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[5.0]	0.169	0.170	0.029	09:42:42	Yes
2		[5.0]	0.167	0.169	0.030	09:43:11	Yes
Mean:		[5.0]	0.168				
SD:		0.0	0.0013				
%RSD:		0.0	0.77				

Standard number 4 applied. [5.0]
Correlation Coef.: 0.999408 Slope: 0.03345 Intercept: -0.00123

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: STD 5 **Date Collected: 12/22/2007 9:43:32 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: STD 5

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[10.0]	0.336	0.337	0.059	09:44:23	Yes
2		[10.0]	0.336	0.338	0.060	09:44:51	Yes
Mean:		[10.0]	0.336				
SD:		0.0	0.0007				
%RSD:		0.0	0.20				

Standard number 5 applied. [10.0]
Correlation Coef.: 0.999860 Slope: 0.03370 Intercept: -0.00151

Calibration data for Hg 253.7 **Equation: Linear, Calculated Intercept**

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calibration Blank	0.0000	0	0.044868	0.00	55.8
STD 1	0.0065	0.200000	0.237974	0.00	0.7
STD 2	0.0158	0.5	0.514261	0.00	0.4
STD 3	0.0615	2.0	1.868399	0.00	0.2
STD 4	0.1676	5.0	5.019300	0.00	0.8
STD 5	0.3360	10.0	10.015198	0.00	0.2

Correlation Coef.: 0.999860 Slope: 0.03370 Intercept: -0.00151

169946

Analysis Begun

Logged In Analyst: met
Technique: AA FIMS-MHS
Spectrometer Model: FIMS-400
Autosampler Model: AS-90

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID:
Results Data Set: 2071222 W
Results Library: C:\data-AA\met\Results\Results.mdb

Sequence No.: 1
Autosampler Location: 9
Sample ID: 1600
Date Collected: 12/22/2007 9:46:32 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Replicate Data: 1600

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005156	5.1555	0.172	0.174	0.030	09:47:21	Yes
2	0.005087	5.0874	0.170	0.172	0.030	09:47:50	Yes
Mean:	0.005121	5.1215	0.171				
SD:	0.000048	0.048128	0.0016				
%RSD:	0.93974	0.93974	0.95				

QC value within limits for Hg 253.7 Recovery = 102.43%
All analyte(s) passed QC.

Sequence No.: 2
Autosampler Location: 1
Sample ID: 1700
Date Collected: 12/22/2007 9:48:09 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Replicate Data: 1700

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000040	0.040417	-0.000	0.002	0.000	09:48:57	Yes
2	0.000054	0.054146	0.000	0.002	0.000	09:49:25	Yes
Mean:	0.000047	0.047281	0.000				
SD:	0.000010	0.009708	0.0003				
%RSD:	20.532	20.532	402.27				

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

Sequence No.: 3
Autosampler Location: 5
Sample ID: 1800
Date Collected: 12/22/2007 9:49:44 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004854	4.8543	0.162	0.164	0.029	09:50:35	Yes
2	0.004852	4.8524	0.162	0.164	0.029	09:51:03	Yes
Mean:	0.004853	4.8534	0.162				
SD:	0.000001	0.001356	0.0000				
%RSD:	0.027945	0.027945	0.03				

QC value within limits for Hg 253.7 Recovery = 97.07%
All analyte(s) passed QC.

Sequence No.: 4
Autosampler Location: 1

169947

Sample ID: 1900 **Date Collected: 12/22/2007 9:51:24 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1900

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000059	0.059272	0.000	0.002	0.000	09:52:12	Yes
2	0.000054	0.054241	0.000	0.002	0.000	09:52:41	Yes
Mean:	0.000057	0.056756	0.000				
SD:	0.000004	0.003558	0.0001				
%RSD:	6.2681	6.2681	29.92				

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

169948

Analysis Begun

Logged In Analyst: met
Technique: AA FIMS-MHS
Spectrometer Model: FIMS-400
Autosampler Model: AS-90

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID:
Results Data Set: 2071222 W
Results Library: C:\data-AA\met\Results\Results.mdb

Method Loaded
Method Name: Mercury
Method Last Saved: 12/22/2007 9:31:25 AM
Method Description: Mercury

Sequence No.: 1
Autosampler Location: 17
Sample ID: 558550
Date Collected: 12/22/2007 9:53:14 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution: 1X
Sample Prep Vol:

Replicate Data: 558550

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000071	0.070920	0.001	0.003	0.001	09:54:02	Yes
2	0.000064	0.064018	0.001	0.003	0.001	09:54:31	Yes
Mean:	0.000067	0.067469	0.001				
SD:	0.000005	0.004881	0.0002				
%RSD:	7.2340	7.2340	21.60				

Sequence No.: 2
Autosampler Location: 18
Sample ID: 558551
Date Collected: 12/22/2007 9:54:49 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution: 1X
Sample Prep Vol:

Replicate Data: 558551

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005533	5.5334	0.185	0.187	0.034	09:55:37	Yes
2	0.005536	5.5360	0.185	0.187	0.034	09:56:06	Yes
Mean:	0.005535	5.5347	0.185				
SD:	0.000002	0.001821	0.0001				
%RSD:	0.032909	0.032909	0.03				

Sequence No.: 3
Autosampler Location: 19
Sample ID: 20712198001
Date Collected: 12/22/2007 9:56:25 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution: 1X
Sample Prep Vol:

Replicate Data: 20712198001

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000137	0.13730	0.003	0.005	0.001	09:57:13	Yes
2	0.000121	0.12064	0.003	0.004	0.001	09:57:42	Yes
Mean:	0.000129	0.12897	0.003				
SD:	0.000012	0.011781	0.0004				
%RSD:	9.1343	9.1343	14.01				

Sequence No.: 4
Autosampler Location: 20
Sample ID: 558552
Date Collected: 12/22/2007 9:58:01 AM

169949

Analyst:
Initial Sample Wt:
Dilution: 1X

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 558552

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000076	0.076067	0.001	0.003	0.001	09:58:50	Yes
2	0.000075	0.074817	0.001	0.003	0.001	09:59:18	Yes
Mean:	0.000075	0.075442	0.001				
SD:	0.000001	0.000884	0.0000				
%RSD:	1.1716	1.1716	2.89				

Sequence No.: 5
Sample ID: 558553
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 21
Date Collected: 12/22/2007 9:59:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 558553

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005449	5.4488	0.182	0.184	0.033	10:00:27	Yes
2	0.005427	5.4269	0.181	0.183	0.034	10:00:56	Yes
Mean:	0.005438	5.4378	0.182				
SD:	0.000015	0.015495	0.0005				
%RSD:	0.28494	0.28494	0.29				

Sequence No.: 6
Sample ID: 558835
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 22
Date Collected: 12/22/2007 10:01:15 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 558835

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000186	0.037101	-0.000	0.002	0.000	10:02:05	Yes
2	-0.000042	-0.008497	-0.002	0.000	0.000	10:02:34	Yes
Mean:	0.000072	0.014302	-0.001				
SD:	0.000161	0.032243	0.0011				
%RSD:	225.44	225.44	105.49				

Sequence No.: 7
Sample ID: 20712198002
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 23
Date Collected: 12/22/2007 10:02:53 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20712198002

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000111	0.11113	0.002	0.004	0.001	10:03:43	Yes
2	0.000101	0.10055	0.002	0.004	0.001	10:04:11	Yes
Mean:	0.000106	0.10584	0.002				
SD:	0.000007	0.007484	0.0003				
%RSD:	7.0709	7.0709	12.27				

Sequence No.: 8
Sample ID: 558312
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 24
Date Collected: 12/22/2007 10:04:31 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

169950

Replicate Data: 558312

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000068	0.067824	0.001	0.003	0.001	10:05:22	Yes
2	0.000048	0.047575	0.000	0.002	0.000	10:05:50	Yes
Mean:	0.000058	0.057699	0.000				
SD:	0.000014	0.014318	0.0005				
%RSD:	24.815	24.815	111.59				

Sequence No.: 9 Autosampler Location: 25
Sample ID: 558313 Date Collected: 12/22/2007 10:06:11 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: 1X Sample Prep Vol:

Replicate Data: 558313

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004776	4.7758	0.159	0.161	0.029	10:07:01	Yes
2	0.004656	4.6563	0.155	0.157	0.029	10:07:29	Yes
Mean:	0.004716	4.7161	0.157				
SD:	0.000084	0.084464	0.0028				
%RSD:	1.7910	1.7910	1.81				

Sequence No.: 10 Autosampler Location: 26
Sample ID: 20712203507 Date Collected: 12/22/2007 10:07:49 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: 1X Sample Prep Vol:

Replicate Data: 20712203507

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000002	-0.001516	-0.002	0.000	0.000	10:08:40	Yes
2	-0.000020	-0.020149	-0.002	-0.000	0.000	10:09:09	Yes
Mean:	-0.000011	-0.010832	-0.002				
SD:	0.000013	0.013175	0.0004				
%RSD:	121.63	121.63	23.65				

Sequence No.: 11 Autosampler Location: 5
Sample ID: 1800 Date Collected: 12/22/2007 10:09:29 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004405	4.4055	0.147	0.149	0.027	10:10:20	Yes
2	0.004172	4.1722	0.139	0.141	0.026	10:10:48	Yes
Mean:	0.004289	4.2889	0.143				
SD:	0.000165	0.16491	0.0056				
%RSD:	3.8451	3.8451	3.89				

QC value within limits for Hg 253.7 Recovery = 85.78%
All analyte(s) passed QC.

Sequence No.: 12 Autosampler Location: 1
Sample ID: 1900 Date Collected: 12/22/2007 10:11:09 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

169951

Replicate Data: 1900

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000002	-0.002330	-0.002	0.000	0.000	10:11:58	Yes
2	-0.000001	-0.000992	-0.002	0.000	0.000	10:12:27	Yes
Mean:	-0.000002	-0.001661	-0.002				
SD:	0.000001	0.000946	0.0000				
%RSD:	56.930	56.930	2.03				

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

Sequence No.: 13 **Autosampler Location: 27**
Sample ID: 558314 **Date Collected: 12/22/2007 10:12:46 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Replicate Data: 558314

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000019	-0.019014	-0.002	-0.000	0.000	10:13:37	Yes
2	-0.000027	-0.027330	-0.002	-0.001	0.000	10:14:05	Yes
Mean:	-0.000023	-0.023172	-0.002				
SD:	0.000006	0.005880	0.0002				
%RSD:	25.378	25.378	8.64				

Sequence No.: 14 **Autosampler Location: 28**
Sample ID: 558315 **Date Collected: 12/22/2007 10:14:26 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Replicate Data: 558315

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.003465	3.4653	0.115	0.117	0.022	10:15:17	Yes
2	0.004044	4.0442	0.135	0.137	0.025	10:15:45	Yes
Mean:	0.003755	3.7547	0.125				
SD:	0.000409	0.40937	0.0138				
%RSD:	10.903	10.903	11.03				

Sequence No.: 15 **Autosampler Location: 29**
Sample ID: 558481 **Date Collected: 12/22/2007 10:16:07 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Replicate Data: 558481

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000200	0.040039	-0.000	0.002	0.001	10:16:58	Yes
2	-0.000115	-0.023065	-0.002	-0.000	0.000	10:17:26	Yes
Mean:	0.000042	0.008487	-0.001				
SD:	0.000223	0.044621	0.0015				
%RSD:	525.76	525.76	122.65				

Sequence No.: 16 **Autosampler Location: 30**
Sample ID: 20712200920 **Date Collected: 12/22/2007 10:17:48 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

169952

Replicate Data: 20712200920

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000004	-0.004320	-0.002	0.000	0.000	10:18:39	Yes
2	0.000005	0.005146	-0.001	0.001	0.000	10:19:09	Yes
Mean:	0.000000	0.000413	-0.001				
SD:	0.000007	0.006693	0.0002				
%RSD:	>999.9%	>999.9%	15.06				

Sequence No.: 17 Autosampler Location: 31
Sample ID: 20712202014 Date Collected: 12/22/2007 10:19:30 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: 1X Sample Prep Vol:

Replicate Data: 20712202014

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000032	0.032484	-0.000	0.001	0.000	10:20:22	Yes
2	0.000025	0.024924	-0.001	0.001	0.000	10:20:51	Yes
Mean:	0.000029	0.028704	-0.001				
SD:	0.000005	0.005346	0.0002				
%RSD:	18.625	18.625	33.07				

Sequence No.: 18 Autosampler Location: 32
Sample ID: 20712202015 Date Collected: 12/22/2007 10:21:12 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: 1X Sample Prep Vol:

Replicate Data: 20712202015

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000008	0.008454	-0.001	0.001	0.000	10:22:00	Yes
2	-0.000028	-0.027926	-0.002	-0.001	0.000	10:22:29	Yes
Mean:	-0.000010	-0.009736	-0.002				
SD:	0.000026	0.025724	0.0009				
%RSD:	264.22	264.22	47.11				

Sequence No.: 19 Autosampler Location: 33
Sample ID: 558315 Date Collected: 12/22/2007 10:22:47 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: 1X Sample Prep Vol:

DJH 12/22/07

Replicate Data: 558315

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.003180	3.1796	0.106	0.108	0.021	10:23:35	Yes
2	0.003813	3.8133	0.127	0.129	0.024	10:24:04	Yes
Mean:	0.003496	3.4964	0.116				
SD:	0.000448	0.44814	0.0151				
%RSD:	12.817	12.817	12.98				

Sequence No.: 20 Autosampler Location: 5
Sample ID: 1800 Date Collected: 12/22/2007 10:24:22 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: 1800

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

1	0.003324	3.3242	0.111	0.112	0.022	10:25:12	Yes

User canceled analysis.

==========

Analysis Begun

Logged In Analyst: met **Technique: AA FIMS-MHS**
Spectrometer Model: FIMS-400 **Autosampler Model: AS-90**

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID:
Results Data Set: 2071222 W
Results Library: C:\data-AA\met\Results\Results.mdb

Changed waste tubing
LR DTT 12/22/07

==========

Sequence No.: 20 **Autosampler Location: 5**
Sample ID: 1800 **Date Collected: 12/22/2007 10:26:28 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.003108	3.1084	0.103	0.105	0.021	10:27:19	Yes

User canceled analysis.

==========

Analysis Begun

Logged In Analyst: met **Technique: AA FIMS-MHS**
Spectrometer Model: FIMS-400 **Autosampler Model: AS-90**

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID:
Results Data Set: 2071222 W
Results Library: C:\data-AA\met\Results\Results.mdb

==========

Sequence No.: 20 **Autosampler Location: 5**
Sample ID: 1800 **Date Collected: 12/22/2007 10:30:39 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005264	5.2636	0.176	0.178	0.031	10:31:30	Yes
2	0.005184	5.1843	0.173	0.175	0.031	10:31:58	Yes
Mean:	0.005224	5.2240	0.175				
SD:	0.000056	0.056056	0.0019				
%RSD:	1.0730	1.0730	1.08				

QC value within limits for Hg 253.7 Recovery = 104.48%
All analyte(s) passed QC.

==========

Sequence No.: 21 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 12/22/2007 10:32:19 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1900

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000045	0.044710	-0.000	0.002	0.000	10:33:07	Yes
2	0.000051	0.051384	0.000	0.002	0.000	10:33:36	Yes

169954

Mean:	0.000048	0.048047	0.000
SD:	0.000005	0.004719	0.0002
%RSD:	9.8222	9.8222	148.45

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

ICP SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12-20-07 16:35 | 21:35	BATCH NO:	363849
MATRIX:	WATER ☐ SOIL ☑ TCLP EXT ☐ ORGANIC ☐	METHOD:	200.7 ☐ 3010A ☐ 3050B ☑ 3051 ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	COMMENTS	REAGENTS/ STANDARDS
1	QC ACCOUNT	MB for HBN 363849 [DIGM/16785]	558098	1.25	50		HNO3 334-82-10
2	QC ACCOUNT	LCS for HBN 363849 [DIGM/16785	558099	1.25			
3	4482	2WSWD9	20712202001	1.25			HCL 334-82-9
4	4482	2WSWD9 MS	20712202002	1.25			
5	4482	2WSWD9 MSD	20712202003	1.25			H2O2 334-79-4
6	4482	3WSED6	20712202004	1.26			
7	4482	3WSED5	20712202005	1.25			
8	4482	3WSED2	20712202008	1.25			
9	4482	3WSED1	20712202009	1.26			
10	4482	SS-900	20712202010	1.26			
11	4482	3WSED8	20712202012	1.25			
12	4482	3WSED9	20712202013	1.25			
13							
14							
15							
16							
17							SPIKING SOLUTIONS (LCS/MS)
18							
19							GCALI-1 - 250uL 334-82-4
20							
21							GCALI-2 - 250uL 334-82.5
22							
23							ORGANOMETALLIC ICP SPIKE 0.025g
24							
25							
26							
27							
28							

COMMENTS:

BLOCK ID	TECHNICIAN	DATE
KC	JTG	12-20-07
REPIPET BOTTLES VERIFIED	REVIEW	DATE
JTG	AJW	12-21-07

169956

ICP SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12-20-07 13:00 15:00	BATCH NO:	363850
MATRIX:	WATER ☑ SOIL ☐ TCLP EXT ☐ ORGANIC ☐	METHOD:	200.7 ☐ 3010A ☑ 3050B ☐ 3051 ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	COMMENTS	REAGENTS/ STANDARDS
1	QC ACCOUNT	MB for HBN 363850 [DIGM/16786]	558100	50	50		HNO3 33482-3
2	QC ACCOUNT	LCS for HBN 363850 [DIGM/16786	558101				
3	4482	SS121907-EB	20712202014				HCL 33481-20
4	4482	SS121907-FB	20712202015				
5	4565	MW-1	20712202101				H2O2
6	QC ACCOUNT	MW-1(558085DUP)	558102				
7	QC ACCOUNT	MW-1(558085MS)	558103				
8	4565	MW-2	20712202102				
9	4565	MW-4	20712202103				
10	4565	MW-5	20712202104				
11	4565	MW-6	20712202105				
12	4565	MW-7	20712202106				
13	4565	MW-8	20712202107				
14	4565	MW-10	20712202108				
15	4565	MW-11	20712202109				
16	4565	MW-11D	20712202110				
17	4565	MW-12	20712202111				SPIKING SOLUTIONS (LCS/MS)
18	4565	MW-13	20712202112				
19	4565	MW-14	20712202113	↓	↓		GCALI-1 - 250uL 33482-4
20							
21							GCALI-2 - 250uL 33482-5
22							
23							ORGANOMETALLIC ICP SPIKE 0.025g
24							
25							
26							
27							
28							

COMMENTS:

BLOCK ID	TECHNICIAN	DATE
AZ	JRL	12-20-07
REPIPET BOTTLES VERIFIED	REVIEW	DATE
JRL	AJW	12-21-07

169957

HG SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12-20-07 16:35 | 17:00	BATCH NO:	363852
MATRIX:	WATER ☐ SOIL ☑ TCLP EXT ☐ ORGANIC ☐	METHOD:	245.2 ☐ 7470A ☐ 7471A ☑

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	COMMENTS	REAGENTS/ STANDARDS
1	QC ACCOUNT	MB for HBN 363852 [DIGM/16787]	558104	30	30		HNO3
2	QC ACCOUNT	LCS for HBN 363852 [DIGM/16787	558105				
3	4482	2WSWD9	20712202001				H2SO4
4	4482	2WSWD9 MS	20712202002				
5	4482	2WSWD9 MSD	20712202003				Aqua Regia 331-81-16
6	0463	B2-0204-S	20712203501				
7	0463	B2-2527-S	20712203502				KMN04 334-82-8
8	0463	B2-0810-S	20712203503				
9	0463	B2-0203-S	20712203504				K2S2O6
10	0463	B1-3436-S	20712203505				
11	0463	B1-2830-S	20712203506				Hg Calib ID
12							
13							0.1 ppm CCV Working Solution
14							
15							0.1 ppm ICV Working Solution
16							
17							Hg ICV
19							SPIKE SOLUTIONS (LCS/MS)
20							
21							Hg Spike 100uL / 150uL
22							143-5-10
23							ORGANOMETALLIC HG SPIKE 0.025g
24							
25							
26							

Hg Solid Calibration

Calib Blk	Conc (ug/L)	0.1ppm Spk Added	Final Volume
Standard 1	0.20	60 uL	30mL
Standard 2	0.50	150 uL	30 mL
Standard 3	2.00	600 uL	30 mL
Standard 4	5.00	1500 ul	30 mL
Standard 5	10.0	3000 uL	30 mL
ICV	5.00	1500 uL	30 mL

Hg Water Calibration

Calib Blk	Conc (ug/L)	0.1ppm Spk Added	Final Volume
Standard 1	0.20	40 uL	20 mL
Standard 2	0.50	100 uL	20 mL
Standard 3	2.00	400 uL	20 mL
Standard 4	5.00	1000 ul	20 mL
Standard 5	10.0	2000 uL	20 mL
ICV	5.00	1000 uL	20 mL

BLOCK ID	TECHNICIAN	DATE
AZ	JEL	12-20-07
REPIPET BOTTLES VERIFIED	**REVIEW**	**DATE**
JEL	AJW	12-21-07

169958

HG SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12-20-07 17:50 | 19:50	BATCH NO:	363889
MATRIX:	WATER ☑ SOIL ☐ TCLP EXT ☐ ORGANIC ☐	METHOD:	245.2 ☐ 7470A ☑ 7471A ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOLWT mL g	FINAL VOLUME (mL)	COMMENTS	REAGENTS/ STANDARDS
1	QC ACCOUNT	MB for HBN 363889 [DIGM/16792]	558312	20	20		HNO3 334-82-10
2	QC ACCOUNT	LCS for HBN 363889 [DIGM/16792	558313				
3	4569	OCM-RINSCATE	20712200920				H2SO4 330-79-19
4	4482	SS121907-EB (1-2)	20712202014				
5	4482	SS121907-FB (1-2)	20712202015				Aqua Regia
6	0463	B2-07-GW	20712203507				
7	QC ACCOUNT	B2-07-GW(558290DUP)	558314	↓	↓		KMN04 334-82-8
8	QC ACCOUNT	B2-07-GW(558290MS)	558315				
9							K2S2O6 334-81-16
10							
11							Hg Calib ID
12							
13							0.1 ppm CCV Working Solution
14							
15							0.1 ppm ICV Working Solution
16							
17							Hg ICV
18							
19							SPIKE SOLUTIONS (LCS/MS)
20							
21							Hg Spike (100uL) /150uL
22							1173-5-10
23							ORGANOMETALLIC HG SPIKE 0.025g
24							
25							
26							

Hg Solid Calibration

Calib Blk	Conc (ug/L)	0.1ppm Spk Added	Final Volume
Standard 1	0.20	60 uL	30mL
Standard 2	0.50	150 uL	30 mL
Standard 3	2.00	600 uL	30 mL
Standard 4	5.00	1500 ul	30 mL
Standard 5	10.0	3000 uL	30 mL
ICV	5.00	1500 uL	30 mL

Hg Water Calibration

Calib Blk	Conc (ug/L)	0.1ppm Spk Added	Final Volume
Standard 1	0.20	40 uL	20 mL
Standard 2	0.50	100 uL	20 mL
Standard 3	2.00	400 uL	20 mL
Standard 4	5.00	1000 ul	20 mL
Standard 5	10.0	2000 uL	20 mL
ICV	5.00	1000 uL	20 mL

BLOCK ID	TECHNICIAN	DATE
A2	JCL	12-20-07
REPIPET BOTTLES VERIFIED	**REVIEW**	**DATE**
JCL	AJW	12-21-07

169959

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20712202001	**2WSED9 (1-2)**	Solid	12/19/2007 12:00	12/20/2007 10:11

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/20/2007 14:52	KLS	363884

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**18.0**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20712202001	**2WSED9 (1-2)**	Solid	12/19/2007 12:00	12/20/2007 10:11

SW-846 9060 TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	01/04/2008 08:54	RLY	364605

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	200U	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20712202004	**3WSED6 (0-0.5)**	Solid	12/19/2007 13:15	12/20/2007 10:11

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/20/2007 15:35	KLS	363854

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**46.0**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20712202005	**3WSED5 (0-0.5)**	Solid	12/19/2007 13:30	12/20/2007 10:11

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/20/2007 15:35	KLS	363854

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**47.6**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20712202006	**3WSED4 (0-0.5)**	Solid	12/19/2007 13:40	12/20/2007 10:11

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/20/2007 15:35	KLS	363854

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**58.4**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20712202007	**3WSED3 (0-0.5)**	Solid	12/19/2007 13:50	12/20/2007 10:11

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/20/2007 15:35	KLS	363854

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**33.7**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20712202008	**3WSED2 (0-0.5)**	Solid	12/19/2007 13:55	12/20/2007 10:11

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/20/2007 15:35	KLS	363854

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**32.4**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20712202009	**3WSED1 (0-0.5)**	Solid	12/19/2007 15:10	12/20/2007 10:11

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/20/2007 15:35	KLS	363854

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**28.8**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20712202010	**SS-900 (0-0.5)**	Solid	12/19/2007 00:00	12/20/2007 10:11

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/20/2007 15:35	KLS	363854

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**32.5**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20712202011	**3WSED7 (0-0.5)**	Solid	12/19/2007 14:40	12/20/2007 10:11

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/20/2007 15:35	KLS	363854

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**50.4**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20712202012	**3WSED8 (0-0.5)**	Solid	12/19/2007 14:30	12/20/2007 10:11

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/20/2007 15:35	KLS	363854

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**27.6**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20712202013	**3WSED9 (0-0.5)**	Solid	12/19/2007 14:25	12/20/2007 10:11

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/20/2007 15:35	KLS	363854

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**40.0**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20712202014	**SS121907-EB**	Water	12/19/2007 15:30	12/20/2007 10:11

SW-846 9060 TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	01/03/2008 00:42	RLY	364404

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.6**	**1.0**	**0.15**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20712202015	**SS121907-FB**	Water	12/19/2007 15:40	12/20/2007 10:11

SW-846 9060 TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	01/03/2008 01:06	RLY	364404

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.0U	1.0	0.15	mg/L

General Chemistry Quality Control Summary

Analytical Batch 364404	Client ID	MB364404			LCS364404		
Prep Batch N/A	GCAL ID	560408			560409		
	Sample Type	Method Blank			LCS		
	Analytical Date	01/02/2008 11:33			01/02/2008 12:00		
	Matrix	Water			Water		
SW-846 9060 TOC		Units / Result	mg/L / RDL	Spike Added	Result	% R	Control Limits % R
C-012 Total Organic Carbon		1.0U	1.0	50.0	46.8	94	80 - 120

Analytical Batch 364404	Client ID	EEO-MW09-DJGW0001A (1)			EEO-MW0MS-DJG001A			EEO-MW0SD-DJG001A			
Prep Batch N/A	GCAL ID	20712146601			20712146605			20712146606			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	01/02/2008 13:04			01/02/2008 15:21			01/02/2008 15:48			
	Matrix	Water			Water			Water			
SW-846 9060 TOC		Units / Result	mg/L / RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
C-012 Total Organic Carbon		23.1	5.0	250	279	102	75 - 125	289	106	4	25

Analytical Batch 364404	Client ID	EEO-MW09-DJGW0001A (1)		556378DUP		
Prep Batch N/A	GCAL ID	20712146601		560410		
	Sample Type	SAMPLE		DUP		
	Analytical Date	01/02/2008 13:04		01/02/2008 13:29		
	Matrix	Water		Water		
SW-846 9060 TOC		Units / Result	mg/L / RDL	Result	RPD	RPD Limit
C-012 Total Organic Carbon		23.1	5.0	23.5	2	25

Analytical Batch 364605	Client ID	MB364605			LCS364605		
Prep Batch N/A	GCAL ID	561270			561271		
	Sample Type	Method Blank			LCS		
	Analytical Date	01/04/2008 08:54			01/04/2008 08:54		
	Matrix	Solid			Solid		
SW-846 9060 TOC		Units / Result	mg/kg / RDL	Spike Added	Result	% R	Control Limits % R
C-012 Total Organic Carbon		200U	200	2000	2150	108	69 - 128

General Chemistry Quality Control Summary

Analytical Batch 364605	**Client ID**	2WSED9 (1-2)		558060DUP		
Prep Batch N/A	**GCAL ID**	20712202001		561272		
	Sample Type	SAMPLE		DUP		
	Analytical Date	01/04/2008 08:54		01/04/2008 08:54		
	Matrix	Solid		Solid		
SW-846 9060 TOC		**Units**	mg/kg	**Result**	**RPD**	**RPD Limit**
		Result	**RDL**			
C-012	Total Organic Carbon	0.000	200	0.000	0	25

169975

TOTAL SOLIDS AND MOISTURE ANALYSIS FOR DRY WEIGHT CORRECTION

OVEN ID:	3 DW	TM						
HBN	363851	363884		ANALYST:	KRN/KLS		DATE:	12/20/2007
SOLI	10009	10013		REVIEW:	BOA 12/23/07		TIME:	14:52:00
Sample ID	Pan ID	Pan Mass (g)	Initial Mass (g) (Sample & Pan)	Final Mass (g) (Sample & Pan)	Initial Mass Less Pan (g)	Final Mass Less Pan (g)	% Moisture in Sample	% Solids in Sample
20712200901	4	1.0186	10.6044	8.6287	9.5858	7.6101	20.61	79.39
20712200902	4	1.0186	10.6044	8.6287	9.5858	7.6101	20.61	79.39
20712200903	4	1.0186	10.6044	8.6287	9.5858	7.6101	20.61	79.39
20712200904	7	1.0363	10.1687	8.5032	9.1324	7.4669	18.24	81.76
20712200905	8	1.0236	10.3934	8.8140	9.3698	7.7904	16.86	83.14
20712200906	9	1.0137	10.5445	8.2625	9.5308	7.2488	23.94	76.06
20712200907	10	1.0126	10.7515	8.4542	9.7389	7.4416	23.59	76.41
20712200908	11	0.9913	10.9724	8.9620	9.9811	7.9707	20.14	79.86
20712200909	12	1.0176	10.0261	8.2136	9.0085	7.1960	20.12	79.88
20712200910	13	0.9759	10.2974	8.3948	9.3215	7.4189	20.41	79.59
20712200911	14	1.0039	10.1190	8.7039	9.1151	7.7000	15.52	84.48
20712200912	15	0.9711	10.6106	8.5321	9.6395	7.5610	21.56	78.44
20712200913	16	1.0097	10.3568	8.2216	9.3471	7.2119	22.84	77.16
20712200914	17	1.0082	10.1528	8.6849	9.1446	7.6767	16.05	83.95
20712200915	18	1.0316	10.6522	8.7323	9.6206	7.7007	19.96	80.04
20712200916	19	1.0155	10.0615	8.4025	9.0460	7.3870	18.34	81.66
20712200917	20	0.9709	10.8091	8.7812	9.8382	7.8103	20.61	79.39
20712200918	21	1.0221	10.6095	8.2838	9.5874	7.2617	24.26	75.74
20712200919	22	1.0242	10.1728	8.2257	9.1486	7.2015	21.28	78.72
20712202001	23	1.0094	10.3635	8.6784	9.3541	7.6690	18.01	81.99
20712202002	23	1.0094	10.3635	8.6784	9.3541	7.6690	18.01	81.99
20712200921	9	1.0234	~~10.3934~~ 10.5445	8.2625	9.5360	7.2488	18.94	76.06
TS % = (Final Sample Mass x 100) / Initial Sample Mass								
TM % = 100-TS%								
Balance ID: Metler AX504							FALSE	

TOTAL SOLIDS AND MOISTURE ANALYSIS FOR DRY WEIGHT CORRECTION								
OVEN ID:	2	TM						
HBN	363855	363854		ANALYST:	KLS		DATE:	12/20/2007
SOLI	10011			REVIEW:	BCA 12/23/07		TIME:	15:35:00
Sample ID	Pan ID	Pan Mass (g)	Initial Mass (g) (Sample & Pan)	Final Mass (g) (Sample & Pan)	Initial Mass Less Pan (g)	Final Mass Less Pan (g)	% Moisture In Sample	% Solids In Sample
20712202003	24	1.0111	10.2916	8.6080	9.2805	7.5969	18.14	81.86
20712202004	25	1.0107	10.1441	5.9422	9.1334	4.9315	46.01	53.99
20712202005	26	0.9939	10.5812	6.0167	9.5873	5.0228	47.61	52.39
20712202006	27	0.9893	10.3256	4.8719	9.3363	3.8826	58.41	41.59
20712202007	28	0.9810	10.7682	7.4712	9.7872	6.4902	33.69	66.31
20712202008	29	0.9671	10.2138	7.2188	9.2467	6.2517	32.39	67.61
20712202009	30	0.9763	10.7300	7.9257	9.7537	6.9494	28.75	71.25
20712202010	31	0.9710	10.2515	7.2380	9.2805	6.2670	32.47	67.53
20712202011	32	1.0110	10.9706	5.9490	9.9596	4.9380	50.42	49.58
20712202012	33	1.0193	10.8892	8.1700	9.8699	7.1507	27.55	72.45
20712202013	34	1.0094	10.8356	6.9025	9.8262	5.8931	40.03	59.97
20712200922	35	1.0093	10.5299	8.4509	9.5206	7.4416	21.84	78.16
TS % = (Final Sample Mass x 100) / Initial Sample Mass								
TM % = 100-TS%								
Balance ID: Metler AX504								

1476

169977

TOTAL ORGANIC CARBON SOLIDS - SHIMADZU 5050A & SSM 5000A

DATE: 01-04-08 | CALIBRATION DATE: 1-3-08

TIME: ~~1513~~ 08:57 | HBN #: 364605 | TC FILE # 10

ANALYST: RLY | Batch #: 3230 | IC FILE # 11

SAMPLE IDENTIFICATION	SAMPLE POSITION	SAMPLE WT (G)	Instrument Reading TC MN (mg/Kg)	Instrument Reading IC MN (mg/Kg)	FINAL CONC. TOC (mg/Kg)	RANGE	RECOVERY/ RPD
Method Blank /CCVB	1	0	< 200	< 200	< 200	X30	
CCV TC	2	0.0247	9720	—	9720/10000		97
CCV IC	3	0.0998	—	9943	9943/10000		99
LCS TC	4	0.0051	2154	—	2154/2000		108
LCS IC	5	0.0173	—	2049	2049/2000		103
20712702001	6	0.1011	~~16437~~ 16437 BCA 1/4/08	~~< 200~~ 16487 BCA 1/4/08	< 200		
Dup	6	0.1003	0	15842	< 200		
Dup	6	0.1001	0	15591	< 200		
Dup	6	0.1004	0	16499	< 200		
CCV TC	10	0.0248	9769		9769/10000		
CCV IC	11	0.0994	0	9962	9962/10000	↓	
CCB	12	0	0	0	< 200		

CCV LOT #: TC 4912PXS IC E470

LCS LOT #: TC 5 IC V669767

ANALYST REVIEW: RLY

SECONDARY REVIEW: BCA

Page 1 of 1

169978

TOC STANDARD IDs

ANALYST: RLY
DATE: 1/2/08
HBN# 364404 / 364266

Total Organic Carbon 9060/5310B

TC CCV Lot# 7187-03 (SAME AS ICAL STANDARD)
TC CCV Expiration Date 7-11-09
IC CCV Lot# 7263-22
IC CCV Expiration Date 9-24-09
TC ICV/LCS Lot # 1702513
TC ICV/LCS Expiration Date 02-08
IC ICV/LCS Lot# 1703040
IC ICV/LCS Expiration Date 02-08
TC Calibration Date 11-28-07
TC Calibration Expiration Date 11-28-08
IC Calibration Date 11-28-07
IC Calibration Expiration Date 11-28-08
Instrument No. : 3

The following check standards are prepared each day of use:

CCV/LCS - 50 mg/L - 5 mL of stock standard (1000 mg/L) diluted to a final volume of 100 mL with deionized water

LL CK - after ICAL : 100 uL of CCV stock standard (1000 mg/L) diluted to a final volume of 100 mL with deionized water

ICV - 25 mg/L - after ICAL: 2.5 mL of ICV/LCS stock standard (1000 mg/L) diluted to a final volume of 100 mL with deionized water

ICV - 75 mg/L - after ICAL: 2.5 mL of ICV/LCS stock standard (1000 mg/L) diluted to a final volume of 100 mL with deionized water

REVIEWED BY: BCA 01/03/08

Revision 1: 5/2/07

169979

	Sample Name	Analysis	Dilution	Date / Time	Conc.	Result
1	CCVTC	TC	1.000	01/02/08 10:12:26	46.74 ppm	0.000
2	CCVTC	IC	1.000	01/02/08 10:23:45	-1.604 ppm	~~48.35~~
3	CCVIC	TC	1.000	01/02/08 10:56:20	47.45 ppm	0.000
4	CCVIC	IC	1.000	01/02/08 11:08:43	48.30 ppm	-0.8504
5	560408 > CCB/MB	TC	1.000	01/02/08 11:21:47	0.1428 ppm	0.000
6	560408	IC	1.000	01/02/08 11:33:09	-1.604 ppm	~~1.747~~
7	560409 > LCS TC	TC	1.000	01/02/08 11:48:49	46.76 ppm	0.000
8	560409	IC	1.000	01/02/08 12:00:10	-1.604 ppm	~~48.37~~
9	560409 > LCS IC	TC	1.000	01/02/08 12:19:11	46.61 ppm	0.000
10	560409	IC	1.000	01/02/08 12:34:21	47.16 ppm	-0.5452
11	20712146601	TC	5.000	01/02/08 12:51:17	47.29 ppm	0.000
12	20712146601	IC	5.000	01/02/08 13:04:41	24.24 ppm	23.06
13	560410 > Dup	TC	5.000	01/02/08 13:18:19	47.56 ppm	0.000
14	560410	IC	5.000	01/02/08 13:29:03	24.10 ppm	23.46
15	20712146602	TC	5.000	01/02/08 13:45:49	64.85 ppm	0.000
16	20712146602	IC	5.000	01/02/08 14:01:29	47.91 ppm	16.94
17	20712146603	TC	5.000	01/02/08 14:15:17	79.23 ppm	0.000
18	20712146603	IC	5.000	01/02/08 14:29:31	58.99 ppm	20.24
19	20712146604	TC	5.000	01/02/08 14:43:15	68.54 ppm	0.000
20	20712146604	IC	5.000	01/02/08 14:54:37	48.10 ppm	20.44
21	20712146605 > MS	TC	5.000	01/02/08 15:10:19	304.5 ppm	0.000
22	20712146605	IC	5.000	01/02/08 15:21:07	25.47 ppm	279.1
23	20712146606 > MSD	TC	5.000	01/02/08 15:37:17	311.3 ppm	0.000
24	20712146606	IC	5.000	01/02/08 15:48:13	22.18 ppm	289.1
25	20712198601	TC	5.000	01/02/08 16:02:11	64.95 ppm	0.000
26	20712198601	IC	5.000	01/02/08 16:13:19	31.82 ppm	33.13
27	CCVTC	TC	1.000	01/02/08 16:40:21	48.83 ppm	0.000
28	CCVTC	IC	1.000	01/02/08 16:52:13	-1.604 ppm	50.43
29	CCVIC	TC	1.000	01/02/08 17:11:51	45.26 ppm	0.000
30	CCVIC	IC	1.000	01/02/08 17:27:25	47.12 ppm	-1.860
31	CCB	TC	1.000	01/02/08 17:40:25	0.2272 ppm	0.000
32	CCB	IC	1.000	01/02/08 17:54:07	-1.604 ppm	1.831
33	20712198602	TC	2.000	01/02/08 18:11:57	48.40 ppm	0.000
34	20712198602	IC	2.000	01/02/08 18:27:35	21.60 ppm	26.80
35	20712198603	TC	2.000	01/02/08 18:45:07	53.53 ppm	0.000
36	20712198603	IC	2.000	01/02/08 18:59:25	25.72 ppm	27.81
37	20712198604	TC	2.000	01/02/08 19:13:41	46.35 ppm	0.000
38	20712198604	IC	2.000	01/02/08 19:24:44	16.63 ppm	29.72
39	20712198605	TC	2.000	01/02/08 19:39:01	38.21 ppm	0.000
40	20712198605	IC	2.000	01/02/08 19:50:17	19.65 ppm	18.57
41	20712198606	TC	2.000	01/02/08 20:04:15	40.23 ppm	0.000
42	20712198606	IC	2.000	01/02/08 20:15:35	22.26 ppm	17.97
43	20712198607	TC	2.000	01/02/08 20:29:41	37.60 ppm	0.000
44	20712198607	IC	2.000	01/02/08 20:40:43	19.15 ppm	18.45
45	20712198608	TC	2.000	01/02/08 20:54:34	33.64 ppm	0.000
46	20712198608	IC	2.000	01/02/08 21:05:26	14.84 ppm	18.80
47	20712198609	TC	2.000	01/02/08 21:22:59	52.37 ppm	0.000
48	20712198609	IC	2.000	01/02/08 21:34:08	17.70 ppm	34.68
49	20712198610	TC	2.000	01/02/08 21:51:28	57.84 ppm	0.000

	Sample Name	Analysis	Dilution	Date / Time	Conc.	Result	
50	20712198610	IC	2.000	01/02/08 22:05:30	26.19 ppm	31.65	
51	20712198611	TC	2.000	01/02/08 22:20:00	52.56 ppm	0.000	
52	20712198611	IC	2.000	01/02/08 22:30:58	14.84 ppm	37.72	
53	CCVTC	TC	1.000	01/02/08 22:46:12	48.38 ppm	0.000	97
54	CCVTC	IC	1.000	01/02/08 22:57:42	-1.064 ppm	49.44	
55	CCVIC	TC	1.000	01/02/08 23:16:39	48.45 ppm	0.000	
56	CCVIC	IC	1.000	01/02/08 23:29:04	48.23 ppm	0.2255	97
57	CCB	TC	1.000	01/02/08 23:42:08	0.2906 ppm	0.000	
58	CCB	IC	1.000	01/02/08 23:53:32	-1.604 ppm	1.895	
59	20712198612	TC	2.000	01/03/08 00:08:00	43.36 ppm	0.000	
60	20712198612	IC	2.000	01/03/08 00:18:46	6.669 ppm	36.69	
61	20712202014	TC	1.000	01/03/08 00:31:10	1.551 ppm	0.000	
62	20712202014	IC	1.000	01/03/08 00:42:35	-1.604 ppm	1.551 ~~3.155~~	PCA 1/3/08
63	20712202015	TC	1.000	01/03/08 00:55:30	-0.2055 ppm	0.000	
64	20712202015	IC	1.000	01/03/08 01:06:56	-1.604 ppm	0 ~~1.399~~	PCA 1/3/08
65	20712082102	TC	1.000	01/03/08 01:17:50	11.80 ppm	0.000	
66	20712082102	IC	1.000	01/03/08 01:26:35	-1.604 ppm	11.80 ~~13.40~~	PCA 1/3/08
67	559850 > MB	TC	1.000	01/03/08 01:36:46	-0.2055 ppm	0.000	
68	559850	IC	1.000	01/03/08 01:45:32	-1.604 ppm	0 ~~1.399~~	PCA 1/3/08
69	559851 > LCS TC	TC	1.000	01/03/08 01:57:34	51.88 ppm	0.000	
70	559851	IC	1.000	01/03/08 02:06:20	-1.604 ppm	51.88 ~~53.48~~	PCA 1/3/08
71	20712190601	TC	1.000	01/03/08 02:19:18	108.4 ppm	0.000	
72	20712190601	IC	1.000	01/03/08 02:30:06	101.7 ppm	6.664	RR
73	559846 > DUP	TC	1.000	01/03/08 02:42:52	107.4 ppm	0.000	
74	559846	IC	1.000	01/03/08 02:54:48	100.3 ppm	7.138	RR
75	559847 > MS	TC	1.000	01/03/08 03:07:48	120.3 ppm	0.000	
76	559847	IC	1.000	01/03/08 03:18:20	51.98 ppm	68.32	RR
77	CCVTC	TC	1.000	01/03/08 03:37:28	55.10 ppm	0.000	
78	CCVTC	IC	1.000	01/03/08 03:47:41	-1.399 ppm	56.50	110
79	CCVIC	TC	1.000	01/03/08 04:06:43	52.49 ppm	0.000	
80	CCVIC	IC	1.000	01/03/08 04:19:10	55.71 ppm	-3.221	111
81	CCB	TC	1.000	01/03/08 04:35:10	-0.2055 ppm	0.000	
82	CCB	IC	1.000	01/03/08 04:46:36	-1.604 ppm	1.399	
83	20712190602	TC	1.000	01/03/08 04:59:27	66.57 ppm	0.000	
84	20712190602	IC	1.000	01/03/08 05:10:00	70.01 ppm	-3.438	
85	20712190603	TC	1.000	01/03/08 05:23:02	88.63 ppm	0.000	
86	20712190603	IC	1.000	01/03/08 05:33:12	88.90 ppm	-0.2667	
87	20712190604	TC	1.000	01/03/08 05:45:36	59.15 ppm	0.000	
88	20712190604	IC	1.000	01/03/08 05:55:12	59.67 ppm	-0.5258	
89	CCVTC	TC	1.000	01/03/08 06:10:50	53.08 ppm	0.000	PCA 1/3/08
90	CCVTC	IC	1.000	01/03/08 06:22:18	-1.604 ppm	53.08 ~~54.68~~	106
91	CCVIC	TC	1.000	01/03/08 06:41:44	52.10 ppm	0.000	
92	CCVIC	IC	1.000	01/03/08 06:54:04	55.80 ppm	-3.698	111
93	CCB	TC	1.000	01/03/08 07:10:06	0.08511 ppm	0.000	
94	CCB	IC	1.000	01/03/08 07:20:58	-1.453 ppm	0.085 ~~1.538~~	PCA 1/3/08
95	20712190601	TC	5.000	01/03/08 07:45:28	87.25 ppm	0.000	
96	20712190601	IC	5.000	01/03/08 07:56:27	84.95 ppm	2.301	
97	559846 > DUP	TC	5.000	01/03/08 08:07:46	87.78 ppm	0.000	
98	559846	IC	5.000	01/03/08 08:16:56	83.75 ppm	4.030	

	Sample Name	Analysis	Dilution	Date / Time	Conc.	Result
99	559847	TC	5.000	01/03/08 08:32:21	278.5 ppm	0.000
100	559847	IC	5.000	01/03/08 08:43:31	45.81 ppm	232.7
101	CCVTC	TC	1.000	01/03/08 08:55:48	49.62 ppm	0.000
102	CCVTC	IC	1.000	01/03/08 09:03:37	-1.125 ppm	49.62 ~~50.75~~
103	CCVIC	TC	1.000	01/03/08 09:15:49	46.71 ppm	0.000
104	CCVIC	IC	1.000	01/03/08 09:25:11	47.03 ppm	-0.3220
105	CCB	TC	1.000	01/03/08 09:38:13	-0.2055 ppm	0.000
106	CCB	IC	1.000	01/03/08 09:46:33	-1.121 ppm	0 ~~0.8152~~

TOC-Control

General Information

Organization:	GCAL
User:	TOC
Title:	
Instrument ID:	toc1
Filename:	C:\TOCCNTR\DATA\08010201.TOC
Comment:	

Instrument Conditions

Instrument Attachments:	TOC-5050 + ASI 5000
TC-Cat Type:	Normal sense TC catalyst
Bubble Removal:	OFF
Syringe Size:	250 µl
Injection Speed:	STD
Syringe Wash:	STD
Vial Size:	Normal sense Vials
Rinse:	ON
Rinse After Acid Addition:	OFF
No. Of Needle Washes:	3
No. Of Flow Line Washes:	2

Calibration Curves

Filename:	071212ic.cal
Title:	071212IC
Calculation method:	Lin. regression without zero shift

Analysis	No. of Washes	Unit	Range	Spargetime	Inj.Vol	Max SD	Max CV
IC	4	ppm	5	0	33	400	2.00%

Sample Name	Sample ID	Vial	Conc.	No. of Inj.	Max No. of Inj.	Mean Area	SD	CV
LEVEL 1	0	S3	0.000	4	5	0	0	0.00%
LEVEL 2	1	6	1.000	4	5	531	20	3.78%
LEVEL 3	15	7	15.00	4	5	6900	82	1.19%
LEVEL 4	30	8	30.00	4	5	13496	110	0.821%
LEVEL 5	60	9	60.00	4	5	26679	99	0.374%
LEVEL 6	100	10	100.0	4	5	40253	196	0.489%

TOC-Control

Slope: 407.46
Intercept: 653.65
R^2: 0.996150

Calibration Curves

Filename: 071212tc.cal
Title: 071212TC
Calculation method: Lin. regression without zero shift
Catalyst: Normal sense TC catalyst

Analysis	No. of Washes	Unit	Range	Spargetime	Inj.Vol	Max SD	Max CV
TC	4	ppm	5	0	27	400	2.00%

Sample Name	Sample ID	Vial	Conc.	No. of Inj.	Max No. of Inj.	Mean Area	SD	CV
LEVEL 1	0	S3	0.000	4	5	0	0	0.00%
LEVEL 2	1	1	1.000	4	5	185	370	200%
LEVEL 3	15	2	15.00	4	5	5670	73	1.30%
LEVEL 4	30	3	30.00	4	5	10973	97	0.889%
LEVEL 5	60	4	60.00	4	5	21188	158	0.748%
LEVEL 6	100	5	100.0	4	5	35618	86	0.244%

Slope: 355.32
Intercept: 73.009
R^2: 0.999756

Samples

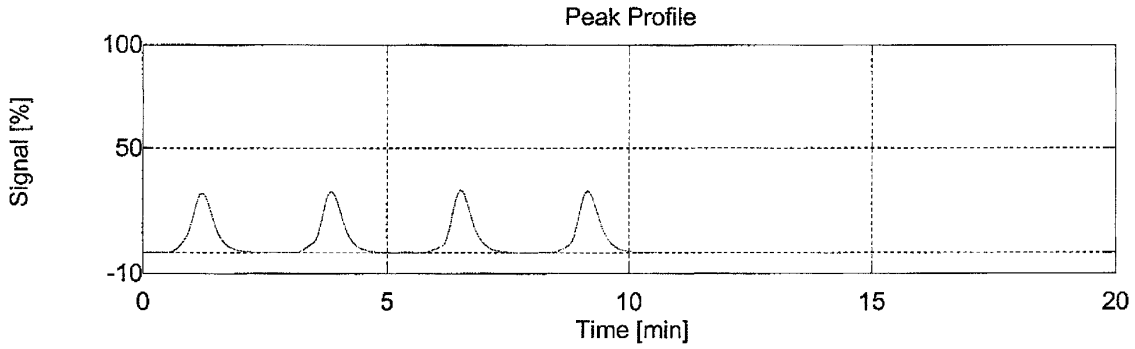
Sample Name: CCVTC
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212tc.cal

TOC-Control

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	TC	0	1.000	0	01/02/2008 10:12:26

Mean Area	Conc	No. Of Washes	SD	CV	Modified
16681	46.74 ppm	4	144	0.868%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S1	5	27	16490	46.204		******	01/02/2008 10:02:08	071212tc.cal
2	S1	5	27	16803	47.084		******	01/02/2008 10:05:34	071212tc.cal
3	S1	5	27	16648	46.648		******	01/02/2008 10:08:58	071212tc.cal
4	S1	5	27	16783	47.028		******	01/02/2008 10:12:26	071212tc.cal



Samples

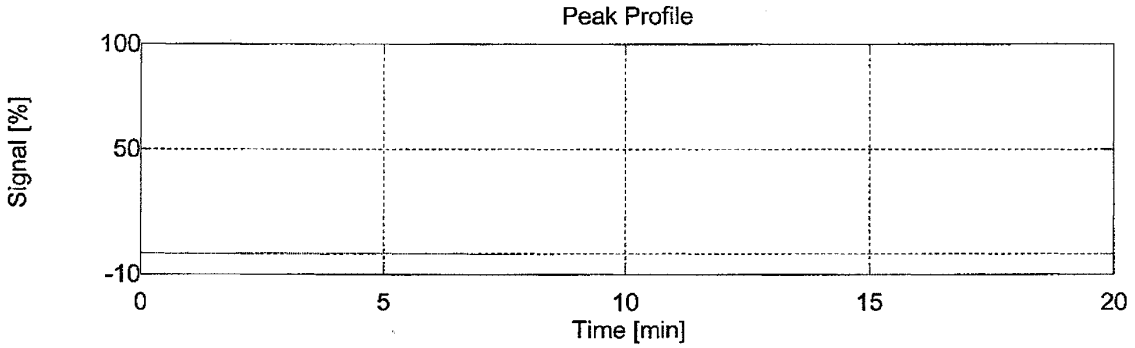
Sample Name: CCVTC
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212ic.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	IC	0	1.000	0	01/02/2008 10:23:45

Mean Area	Conc	Result	No. Of Washes	SD	CV	Modified
0	-1.604 ppm	TOC: 48.35ppm	4	0	0.00%	

TOC-Control

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S1	5	33	0	-1.6042		******	01/02/2008 10:15:58	071212ic.cal
2	S1	5	33	0	-1.6042		******	01/02/2008 10:18:33	071212ic.cal
3	S1	5	33	0	-1.6042		******	01/02/2008 10:21:08	071212ic.cal
4	S1	5	33	0	-1.6042		******	01/02/2008 10:23:45	071212ic.cal



Samples

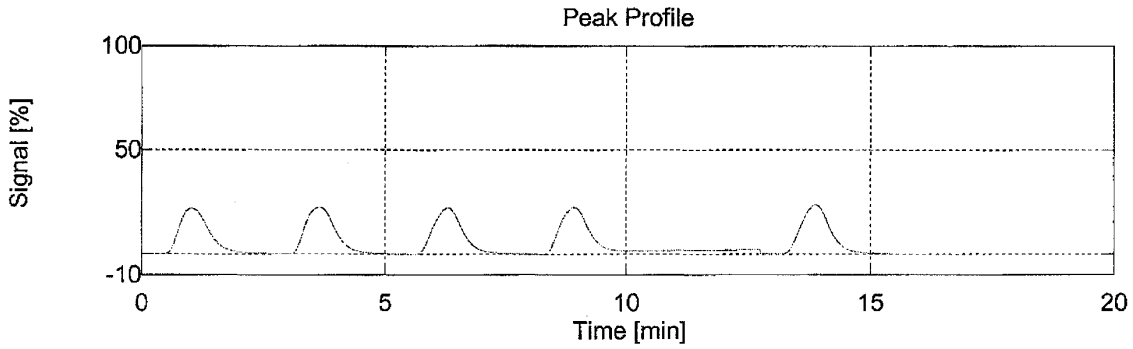
Sample Name: CCVIC
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212tc.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	TC	0	1.000	0	01/02/2008 10:56:20

Mean Area	Conc	No. Of Washes	SD	CV	Modified
16933	47.45 ppm	4	449	2.65%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S2	5	27	15934	44.639	E	******	01/02/2008 10:41:25	071212tc.cal
2	S2	5	27	17003	47.647		******	01/02/2008 10:44:16	071212tc.cal
3	S2	5	27	16284	45.624		******	01/02/2008 10:47:10	071212tc.cal
4	S2	5	27	17294	48.466		****T*	01/02/2008 10:52:54	071212tc.cal
5	S2	5	27	17154	48.072		******	01/02/2008 10:56:20	071212tc.cal

TOC-Control



Samples

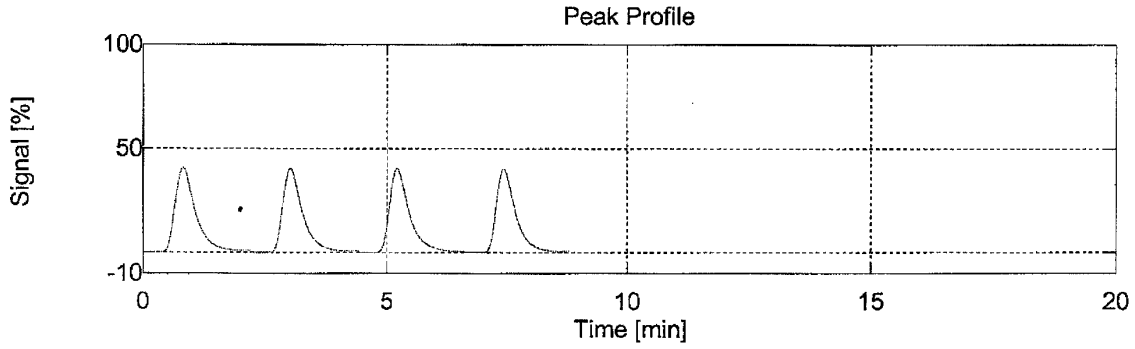
Sample Name: CCVIC
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212ic.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	IC	0	1.000	0	01/02/2008 11:08:43

Mean Area	Conc	Result	No. Of Washes	SD	CV	Modified
20335	48.30 ppm	TOC: -0.8504ppm	4	335	1.65%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S2	5	33	20569	48.876		******	01/02/2008 11:00:07	071212ic.cal
2	S2	5	33	20075	47.664		******	01/02/2008 11:02:58	071212ic.cal
3	S2	5	33	20676	49.139		******	01/02/2008 11:05:51	071212ic.cal
4	S2	5	33	20021	47.532		******	01/02/2008 11:08:43	071212ic.cal

TOC-Control



Samples

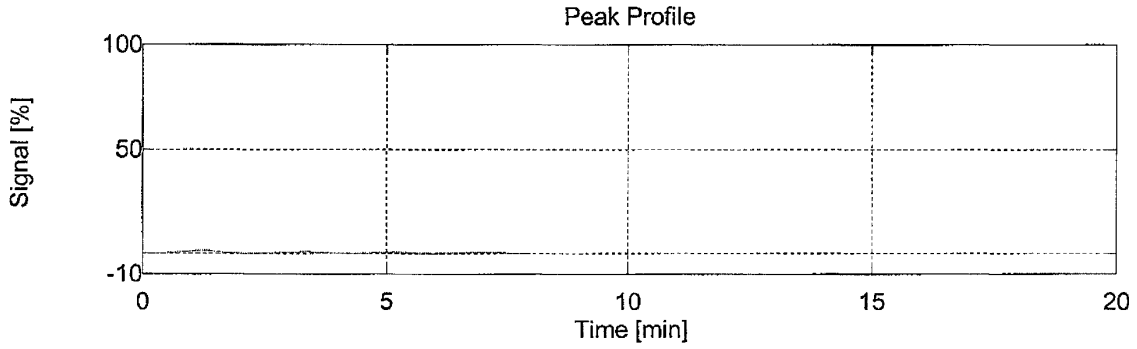
Sample Name: 560408
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212tc.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	TC	0	1.000	0	01/02/2008 11:21:47

Mean Area	Conc	No. Of Washes	SD	CV	Modified
123	0.1428 ppm	4	247	200%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S3	5	27	495	1.1876		******	01/02/2008 11:13:38	071212tc.cal
2	S3	5	27	0	-0.20547		******	01/02/2008 11:16:21	071212tc.cal
3	S3	5	27	0	-0.20547		******	01/02/2008 11:19:04	071212tc.cal
4	S3	5	27	0	-0.20547		******	01/02/2008 11:21:47	071212tc.cal

TOC-Control



Samples

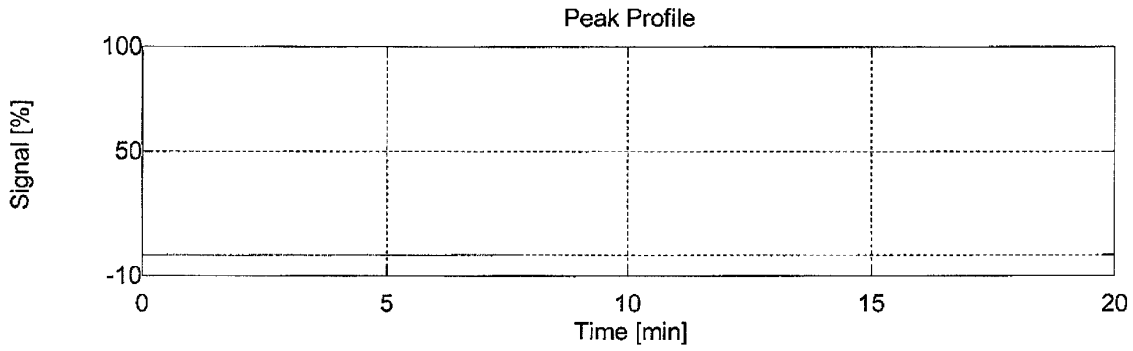
Sample Name: 560408
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212ic.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	IC	0	1.000	0	01/02/2008 11:33:09

Mean Area	Conc	Result	No. Of Washes	SD	CV	Modified
0	-1.604 ppm	TOC: 1.747ppm	4	0	0.00%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S3	5	33	0	-1.6042		******	01/02/2008 11:25:18	071212ic.cal
2	S3	5	33	0	-1.6042		******	01/02/2008 11:27:55	071212ic.cal
3	S3	5	33	0	-1.6042		******	01/02/2008 11:30:33	071212ic.cal
4	S3	5	33	0	-1.6042		******	01/02/2008 11:33:09	071212ic.cal

TOC-Control



Samples

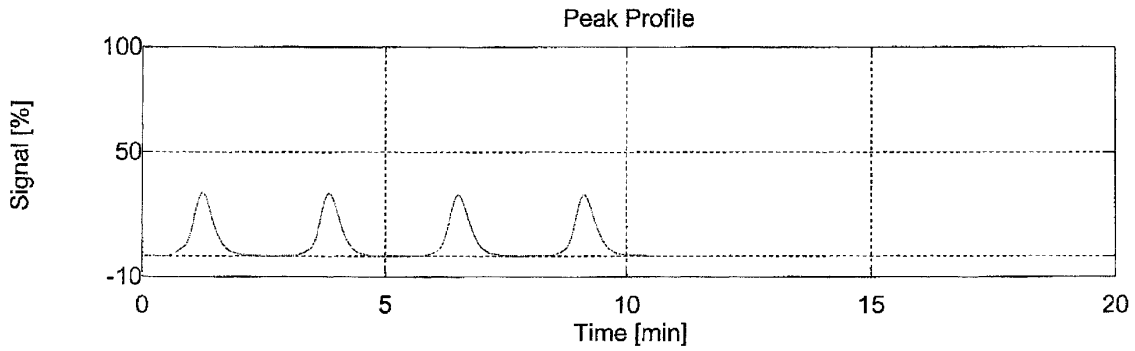
Sample Name: 560409
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212tc.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	TC	0	1.000	0	01/02/2008 11:48:49

Mean Area	Conc	No. Of Washes	SD	CV	Modified
16689	46.76 ppm	4	152	0.916%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	1	5	27	16744	46.918		******	01/02/2008 11:38:33	071212tc.cal
2	1	5	27	16836	47.177		******	01/02/2008 11:42:01	071212tc.cal
3	1	5	27	16701	46.797		******	01/02/2008 11:45:24	071212tc.cal
4	1	5	27	16476	46.164		******	01/02/2008 11:48:49	071212tc.cal

TOC-Control



Samples

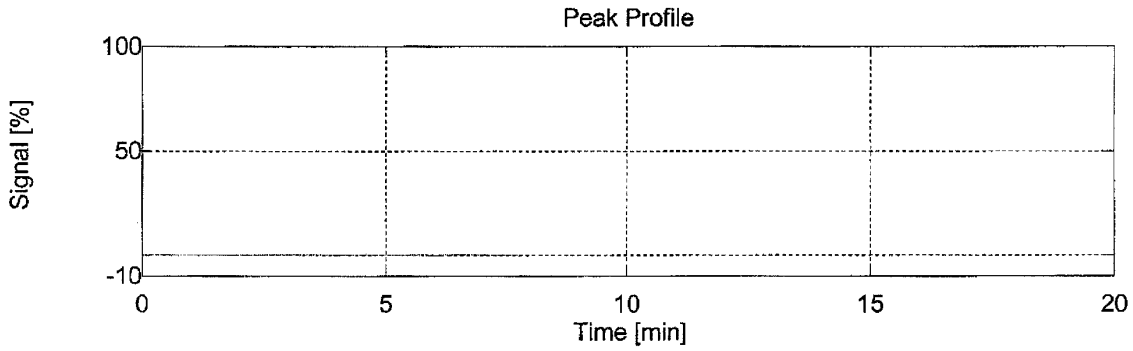
Sample Name: 560409
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212ic.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	IC	0	1.000	0	01/02/2008 12:00:10

Mean Area	Conc	Result	No. Of Washes	SD	CV	Modified
0	-1.604 ppm	TOC: 48.37ppm	4	0	0.00%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	1	5	33	0	-1.6042		******	01/02/2008 11:52:23	071212ic.cal
2	1	5	33	0	-1.6042		******	01/02/2008 11:54:59	071212ic.cal
3	1	5	33	0	-1.6042		******	01/02/2008 11:57:35	071212ic.cal
4	1	5	33	0	-1.6042		******	01/02/2008 12:00:10	071212ic.cal

TOC-Control



Samples

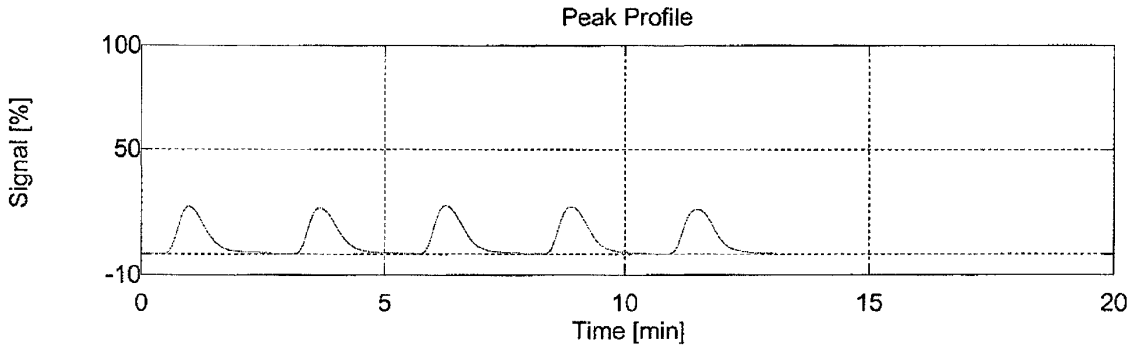
Sample Name: 560409
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212tc.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	TC	0	1.000	0	01/02/2008 12:19:11

Mean Area	Conc	No. Of Washes	SD	CV	Modified
16634	46.61 ppm	4	432	2.60%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	2	5	27	15600	43.699	E	******	01/02/2008 12:05:37	071212tc.cal
2	2	5	27	16103	45.114		******	01/02/2008 12:09:01	071212tc.cal
3	2	5	27	17016	47.684		******	01/02/2008 12:12:25	071212tc.cal
4	2	5	27	16957	47.518		******	01/02/2008 12:15:47	071212tc.cal
5	2	5	27	16463	46.128		******	01/02/2008 12:19:11	071212tc.cal

TOC-Control



Samples

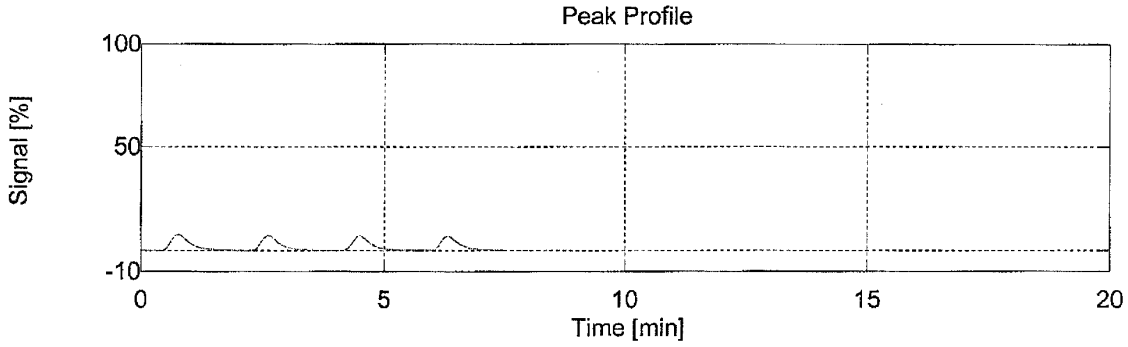
Sample Name: 560409
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212ic.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	IC	0	1.000	0	01/02/2008 12:34:21

Mean Area	Conc	Result	No. Of Washes	SD	CV	Modified
19868	47.16 ppm	TOC: -0.5452ppm	4	120	0.607%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	2	5	33	20998	49.929	E	******	01/02/2008 12:22:59	071212ic.cal
2	2	5	33	19956	47.372		******	01/02/2008 12:25:49	071212ic.cal
3	2	5	33	19978	47.426		******	01/02/2008 12:28:41	071212ic.cal
4	2	5	33	19723	46.800		******	01/02/2008 12:31:32	071212ic.cal
5	2	5	33	19815	47.026		******	01/02/2008 12:34:21	071212ic.cal

TOC-Control



Samples

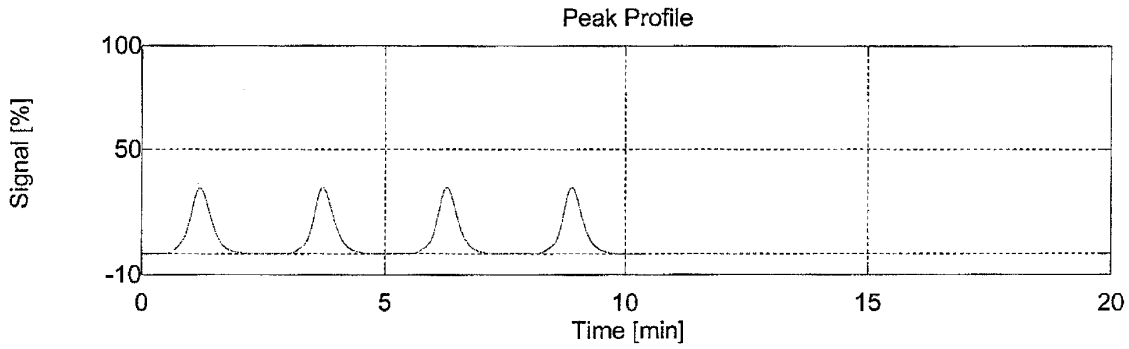
Sample Name: CCVTC
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212tc.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	TC	0	1.000	0	01/02/2008 16:40:21

Mean Area	Conc	No. Of Washes	SD	CV	Modified
17422	48.83 ppm	4	210	1.21%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S4	5	27	17645	49.454		******	01/02/2008 16:31:41	071212tc.cal
2	S4	5	27	17156	48.078		******	01/02/2008 16:34:31	071212tc.cal
3	S4	5	27	17521	49.105		******	01/02/2008 16:37:23	071212tc.cal
4	S4	5	27	17366	48.669		******	01/02/2008 16:40:21	071212tc.cal

TOC-Control



Samples

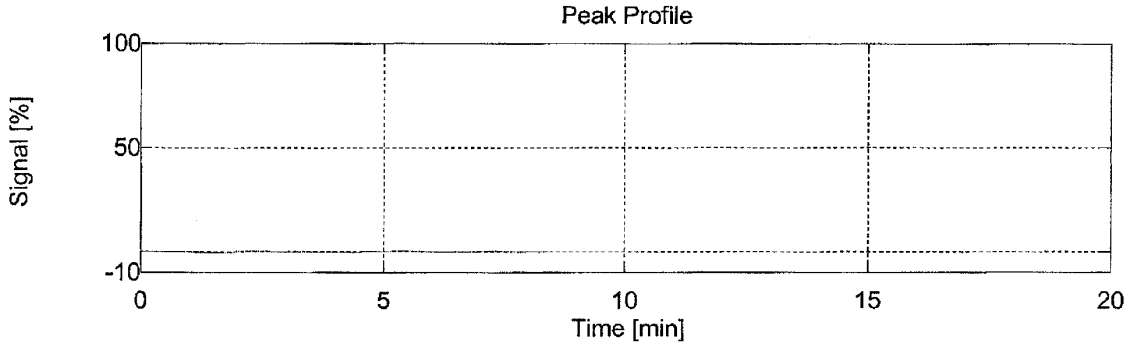
Sample Name: CCVTC
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212ic.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	IC	0	1.000	0	01/02/2008 16:52:13

Mean Area	Conc	Result	No. Of Washes	SD	CV	Modified
0	-1.604 ppm	TOC: 50.43ppm	4	0	0.00%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S4	5	33	0	-1.6042		******	01/02/2008 16:43:21	071212ic.cal
2	S4	5	33	2828	5.3363	E	******	01/02/2008 16:44:13	071212ic.cal
3	S4	5	33	0	-1.6042		******	01/02/2008 16:46:59	071212ic.cal
4	S4	5	33	0	-1.6042		******	01/02/2008 16:49:37	071212ic.cal
5	S4	5	33	0	-1.6042		******	01/02/2008 16:52:13	071212ic.cal

TOC-Control



Samples

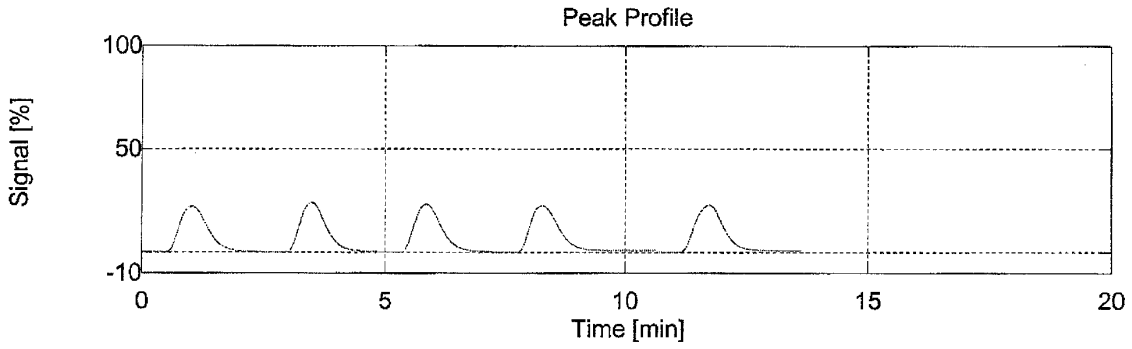
Sample Name: CCVIC
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212tc.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	TC	0	1.000	0	01/02/2008 17:11:51

Mean Area	Conc	No. Of Washes	SD	CV	Modified
16153	45.26 ppm	4	399	2.47%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S5	5	27	15319	42.908	E	******	01/02/2008 16:57:29	071212tc.cal
2	S5	5	27	15864	44.442		******	01/02/2008 17:00:39	071212tc.cal
3	S5	5	27	15762	44.155		******	01/02/2008 17:03:53	071212tc.cal
4	S5	5	27	16428	46.029		******	01/02/2008 17:08:05	071212tc.cal
5	S5	5	27	16560	46.401		******	01/02/2008 17:11:51	071212tc.cal

TOC-Control



Samples

Sample Name: CCVIC
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212ic.cal

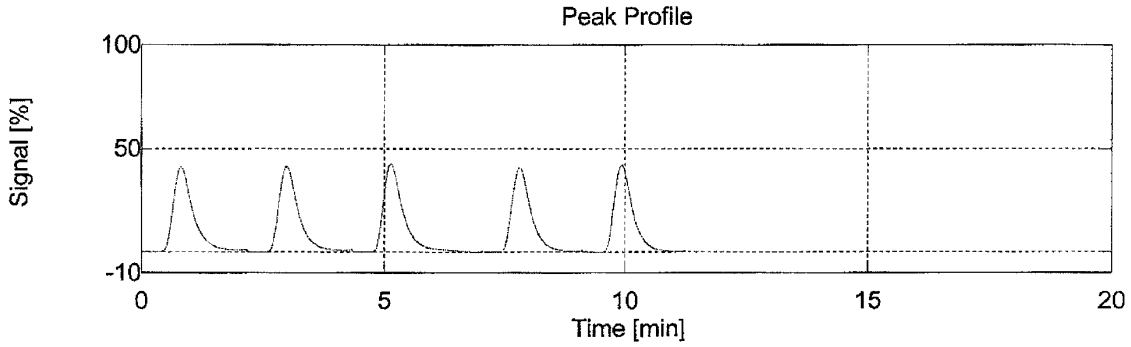
Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	IC	0	1.000	0	01/02/2008 17:27:25

Mean Area	Conc	Result	No. Of Washes	SD	CV	Modified
19851	47.12 ppm	TOC: -1.860ppm	4	194	0.981%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S5	5	33	19911	47.262		******	01/02/2008 17:15:37	071212ic.cal
2	S5	5	33	20077	47.669		******	01/02/2008 17:18:27	071212ic.cal
3	S5	5	33	21918	52.187	E	******	01/02/2008 17:21:47	071212ic.cal
4	S5	5	33	19612	46.528		******	01/02/2008 17:24:35	071212ic.cal
5	S5	5	33	19807	47.006		******	01/02/2008 17:27:25	071212ic.cal

1496
169997

TOC-Control



Samples

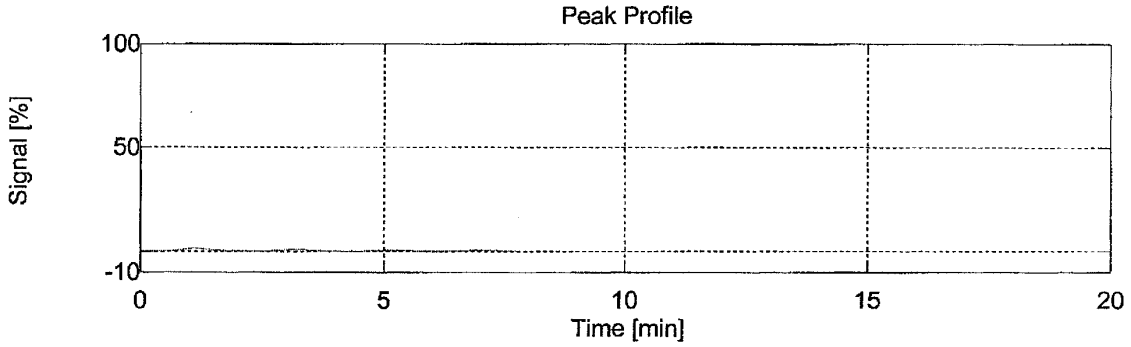
Sample Name: CCB
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212tc.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	TC	0	1.000	0	01/02/2008 17:40:25

Mean Area	Conc	No. Of Washes	SD	CV	Modified
153	0.2272 ppm	4	307	200%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S6	5	27	615	1.5254		******	01/02/2008 17:32:13	071212tc.cal
2	S6	5	27	0	-0.20547		******	01/02/2008 17:34:57	071212tc.cal
3	S6	5	27	0	-0.20547		******	01/02/2008 17:37:41	071212tc.cal
4	S6	5	27	0	-0.20547		******	01/02/2008 17:40:25	071212tc.cal

TOC-Control



Samples

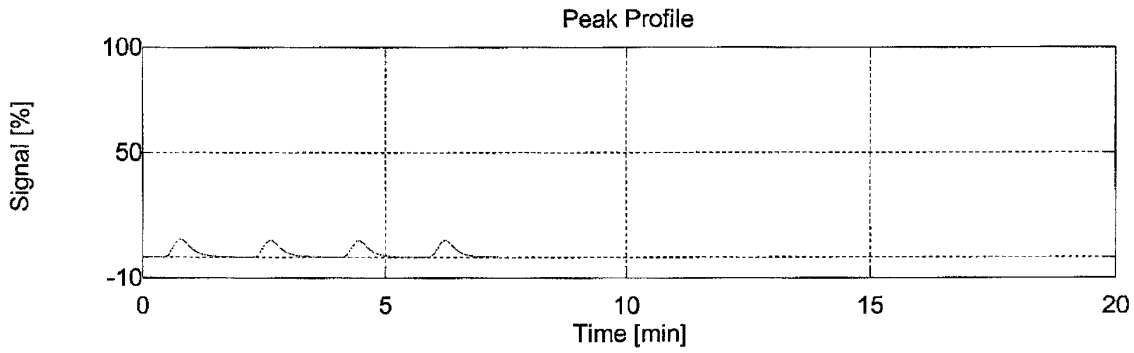
Sample Name: CCB
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212ic.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	IC	0	1.000	0	01/02/2008 17:54:07

Mean Area	Conc	Result	No. Of Washes	SD	CV	Modified
0	-1.604 ppm	TOC: 1.831ppm	4	0	0.00%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S6	5	33	1162	1.2476	E	******	01/02/2008 17:43:43	071212ic.cal
2	S6	5	33	0	-1.6042		******	01/02/2008 17:46:19	071212ic.cal
3	S6	5	33	0	-1.6042		******	01/02/2008 17:48:55	071212ic.cal
4	S6	5	33	0	-1.6042		******	01/02/2008 17:51:31	071212ic.cal
5	S6	5	33	0	-1.6042		******	01/02/2008 17:54:07	071212ic.cal

TOC-Control



Samples

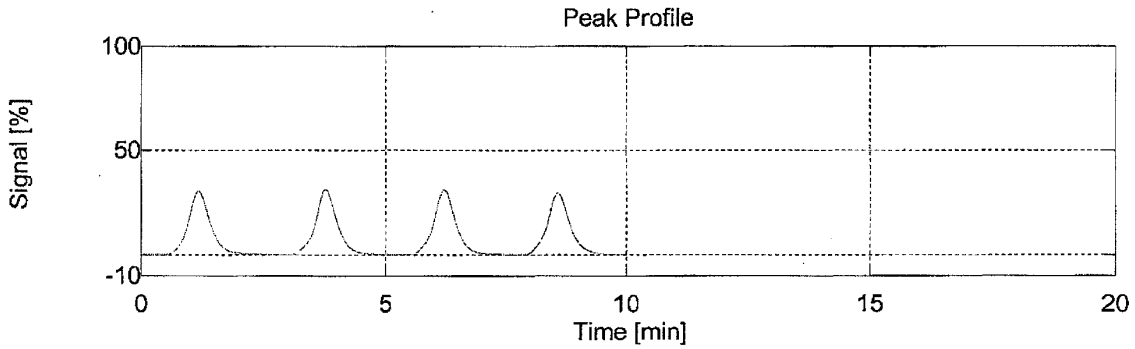
Sample Name: CCVTC
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212tc.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	TC	0	1.000	0	01/02/2008 22:46:12

Mean Area	Conc	No. Of Washes	SD	CV	Modified
17263	48.38 ppm	4	252	1.46%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S1	5	27	16899	47.355		******	01/02/2008 22:36:22	071212tc.cal
2	S1	5	27	17298	48.478		******	01/02/2008 22:39:37	071212tc.cal
3	S1	5	27	17467	48.953		******	01/02/2008 22:42:48	071212tc.cal
4	S1	5	27	17388	48.731		******	01/02/2008 22:46:12	071212tc.cal

TOC-Control



Samples

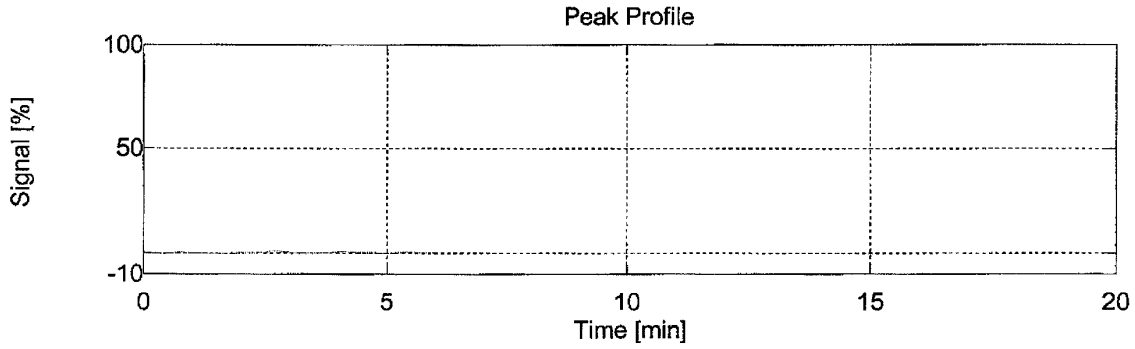
Sample Name: CCVTC
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212ic.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	IC	0	1.000	0	01/02/2008 22:57:42

Mean Area	Conc	Result	No. Of Washes	SD	CV	Modified
220	-1.064 ppm	TOC: 49.44ppm	4	154	70.4%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S1	5	33	0	-1.6042		******	01/02/2008 22:51:24	071212ic.cal
2	S1	5	33	361	-0.71823		******	01/02/2008 22:53:30	071212ic.cal
3	S1	5	33	277	-0.92438		******	01/02/2008 22:55:36	071212ic.cal
4	S1	5	33	243	-1.0078		******	01/02/2008 22:57:42	071212ic.cal

TOC-Control



Samples

Sample Name: CCVIC
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212tc.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	TC	0	1.000	0	01/02/2008 23:16:39

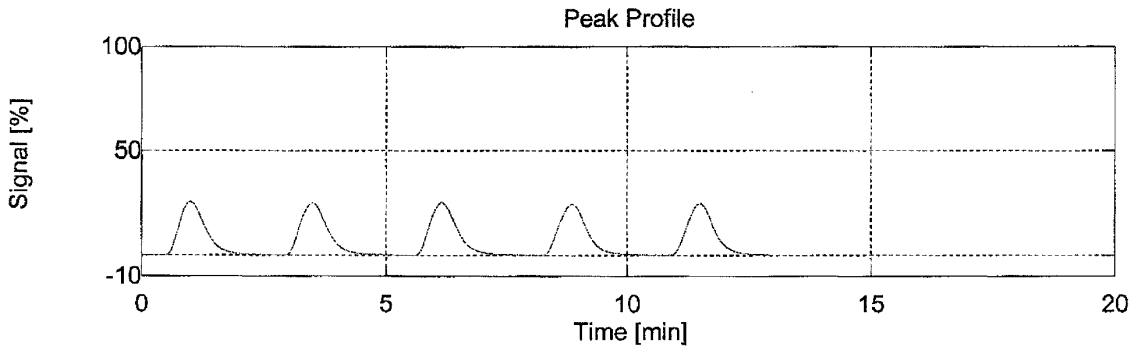
Mean Area	Conc	No. Of Washes	SD	CV	Modified
17289	48.45 ppm	4	185	1.07%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S2	5	27	16592	46.491	E	******	01/02/2008 23:02:57	071212tc.cal
2	S2	5	27	17310	48.511		******	01/02/2008 23:06:25	071212tc.cal
3	S2	5	27	17527	49.122		******	01/02/2008 23:09:52	071212tc.cal
4	S2	5	27	17238	48.309		******	01/02/2008 23:13:17	071212tc.cal
5	S2	5	27	17081	47.867		******	01/02/2008 23:16:39	071212tc.cal

1501

170002

TOC-Control



Samples

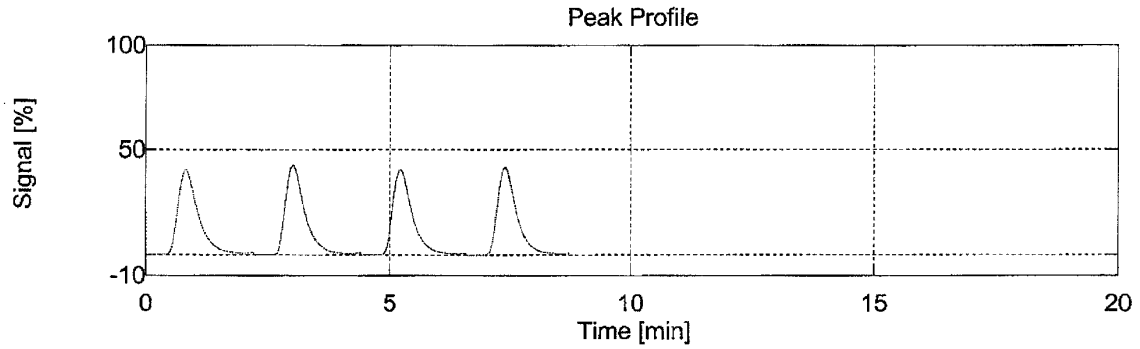
Sample Name: CCVIC
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212ic.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	IC	0	1.000	0	01/02/2008 23:29:04

Mean Area	Conc	Result	No. Of Washes	SD	CV	Modified
20304	48.23 ppm	TOC: 0.2255ppm	4	369	1.82%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S2	5	33	20199	47.968		******	01/02/2008 23:20:28	071212ic.cal
2	S2	5	33	20832	49.522		******	01/02/2008 23:23:21	071212ic.cal
3	S2	5	33	19967	47.399		******	01/02/2008 23:26:12	071212ic.cal
4	S2	5	33	20219	48.018		******	01/02/2008 23:29:04	071212ic.cal

TOC-Control



Samples

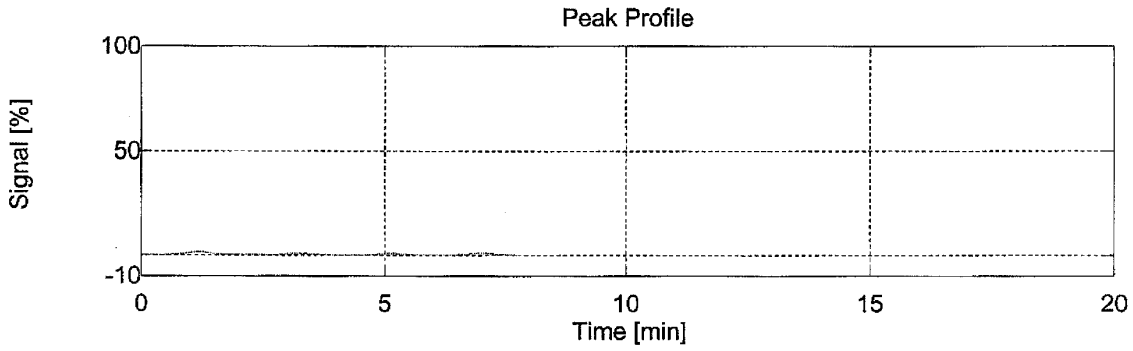
Sample Name: CCB
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212tc.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	TC	0	1.000	0	01/02/2008 23:42:08

Mean Area	Conc	No. Of Washes	SD	CV	Modified
176	0.2906 ppm	4	352	200%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S3	5	27	705	1.7787		******	01/02/2008 23:33:55	071212tc.cal
2	S3	5	27	0	-0.20547		******	01/02/2008 23:36:40	071212tc.cal
3	S3	5	27	0	-0.20547		******	01/02/2008 23:39:24	071212tc.cal
4	S3	5	27	0	-0.20547		******	01/02/2008 23:42:08	071212tc.cal

TOC-Control



Samples

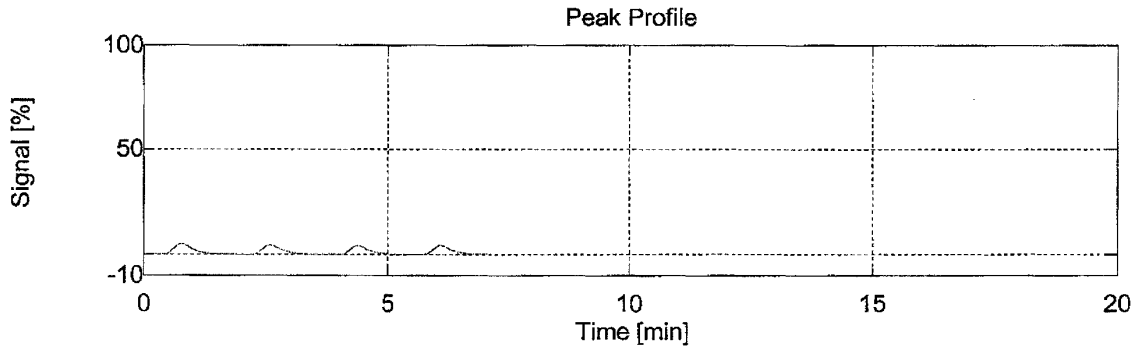
Sample Name: CCB
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212ic.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	IC	0	1.000	0	01/02/2008 23:53:32

Mean Area	Conc	Result	No. Of Washes	SD	CV	Modified
0	-1.604 ppm	TOC: 1.895ppm	4	0	0.00%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S3	5	33	0	-1.6042		******	01/02/2008 23:45:42	071212ic.cal
2	S3	5	33	0	-1.6042		******	01/02/2008 23:48:18	071212ic.cal
3	S3	5	33	0	-1.6042		******	01/02/2008 23:50:56	071212ic.cal
4	S3	5	33	0	-1.6042		******	01/02/2008 23:53:32	071212ic.cal

TOC-Control



Samples

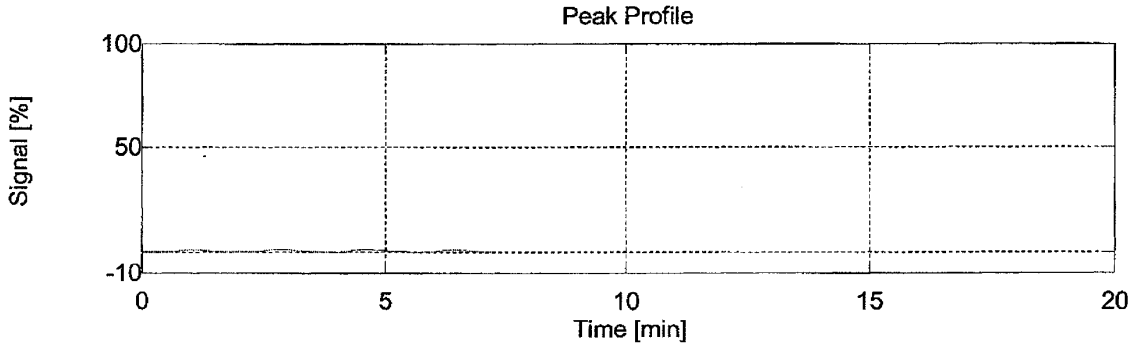
Sample Name: 20712202014
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212tc.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	TC	0	1.000	0	01/03/2008 00:31:10

Mean Area	Conc	No. Of Washes	SD	CV	Modified
624	1.551 ppm	4	45	7.28%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	22	5	27	597	1.4747		******	01/03/2008 00:23:22	071212tc.cal
2	22	5	27	688	1.7308		******	01/03/2008 00:25:58	071212tc.cal
3	22	5	27	624	1.5507		******	01/03/2008 00:28:36	071212tc.cal
4	22	5	27	587	1.4466		******	01/03/2008 00:31:10	071212tc.cal

TOC-Control



Samples

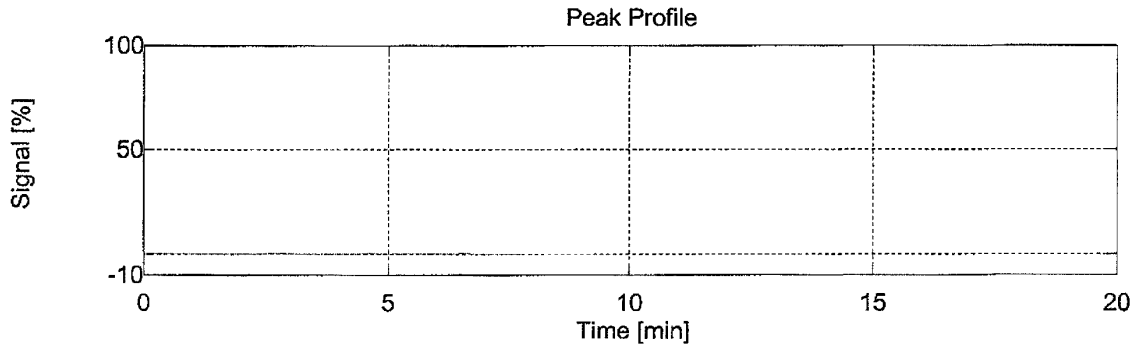
Sample Name: 20712202014
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212ic.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	IC	0	1.000	0	01/03/2008 00:42:35

Mean Area	Conc	Result	No. Of Washes	SD	CV	Modified
0	-1.604 ppm	TOC: 3.155ppm	4	0	0.00%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	22	5	33	0	-1.6042		******	01/03/2008 00:34:44	071212ic.cal
2	22	5	33	0	-1.6042		******	01/03/2008 00:37:20	071212ic.cal
3	22	5	33	0	-1.6042		******	01/03/2008 00:39:56	071212ic.cal
4	22	5	33	0	-1.6042		******	01/03/2008 00:42:35	071212ic.cal

TOC-Control



Samples

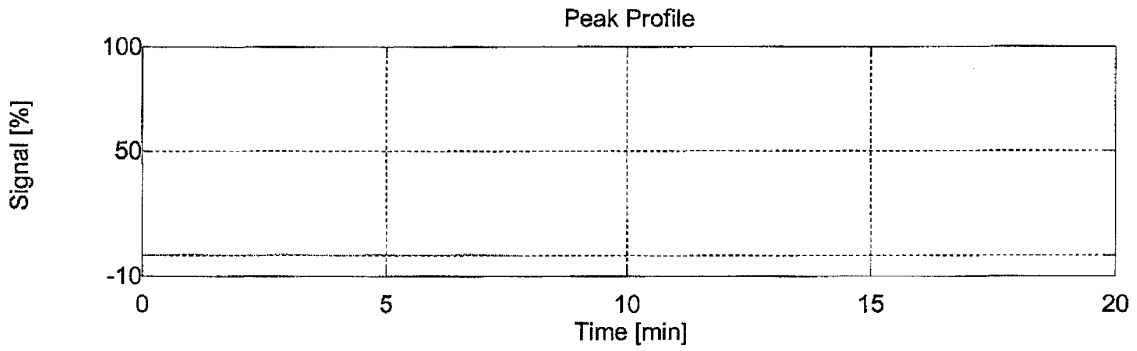
Sample Name: 20712202015
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212tc.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	TC	0	1.000	0	01/03/2008 00:55:30

Mean Area	Conc	No. Of Washes	SD	CV	Modified
0	-0.2055 ppm	4	0	0.00%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	23	5	27	0	-0.20547		******	01/03/2008 00:47:18	071212tc.cal
2	23	5	27	0	-0.20547		******	01/03/2008 00:50:02	071212tc.cal
3	23	5	27	0	-0.20547		******	01/03/2008 00:52:46	071212tc.cal
4	23	5	27	0	-0.20547		******	01/03/2008 00:55:30	071212tc.cal

TOC-Control



Samples

Sample Name: 20712202015
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212ic.cal

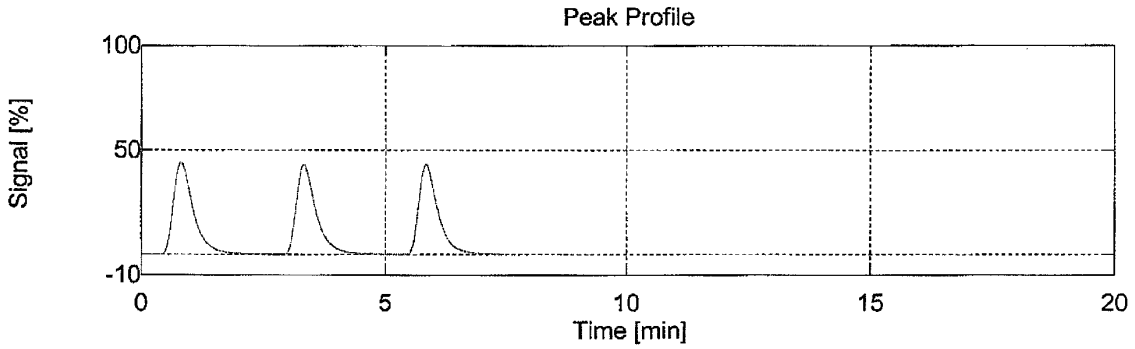
Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	IC	0	1.000	0	01/03/2008 01:06:56

Mean Area	Conc	Result	No. Of Washes	SD	CV	Modified
0	-1.604 ppm	TOC: 1.399ppm	4	0	0.00%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	23	5	33	0	-1.6042		******	01/03/2008 00:59:04	071212ic.cal
2	23	5	33	0	-1.6042		******	01/03/2008 01:01:40	071212ic.cal
3	23	5	33	0	-1.6042		******	01/03/2008 01:04:18	071212ic.cal
4	23	5	33	0	-1.6042		******	01/03/2008 01:06:56	071212ic.cal

1508
170009

TOC-Control



Samples

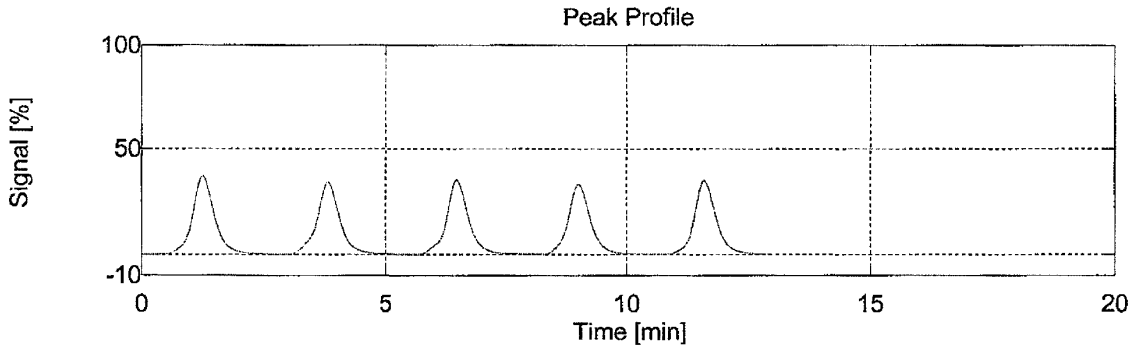
Sample Name: CCVTC
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212tc.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	TC	0	1.000	0	01/03/2008 03:37:28

Mean Area	Conc	No. Of Washes	SD	CV	Modified
19651	55.10 ppm	4	347	1.77%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S4	5	27	20096	56.352		******	01/03/2008 03:23:47	071212tc.cal
2	S4	5	27	19699	55.235		******	01/03/2008 03:27:16	071212tc.cal
3	S4	5	27	19550	54.816		******	01/03/2008 03:30:40	071212tc.cal
4	S4	5	27	18820	52.761	E	******	01/03/2008 03:34:02	071212tc.cal
5	S4	5	27	19261	54.002		******	01/03/2008 03:37:28	071212tc.cal

TOC-Control



Samples

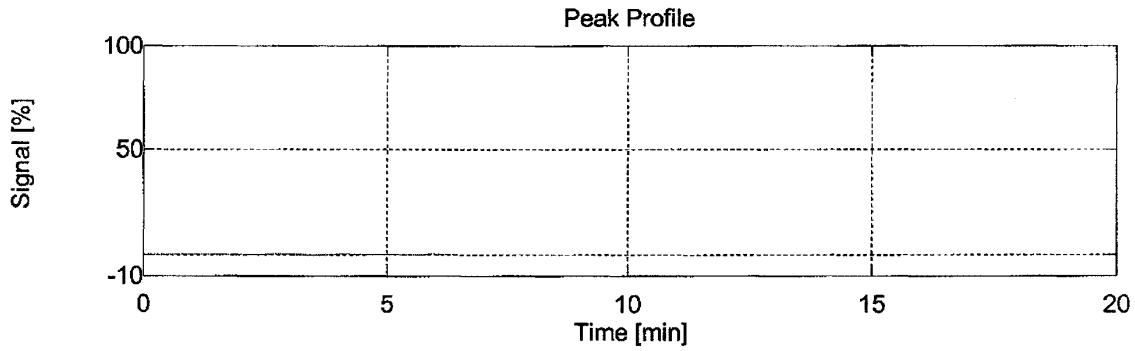
Sample Name: CCVTC
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212ic.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	IC	0	1.000	0	01/03/2008 03:47:41

Mean Area	Conc	Result	No. Of Washes	SD	CV	Modified
83	-1.399 ppm	TOC: 56.50ppm	4	102	123%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S4	5	33	0	-1.6042		******	01/03/2008 03:41:01	071212ic.cal
2	S4	5	33	211	-1.0864		******	01/03/2008 03:43:05	071212ic.cal
3	S4	5	33	0	-1.6042		******	01/03/2008 03:45:41	071212ic.cal
4	S4	5	33	123	-1.3023		******	01/03/2008 03:47:41	071212ic.cal

TOC-Control



Samples

Sample Name: CCVIC
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212tc.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	TC	0	1.000	0	01/03/2008 04:06:43

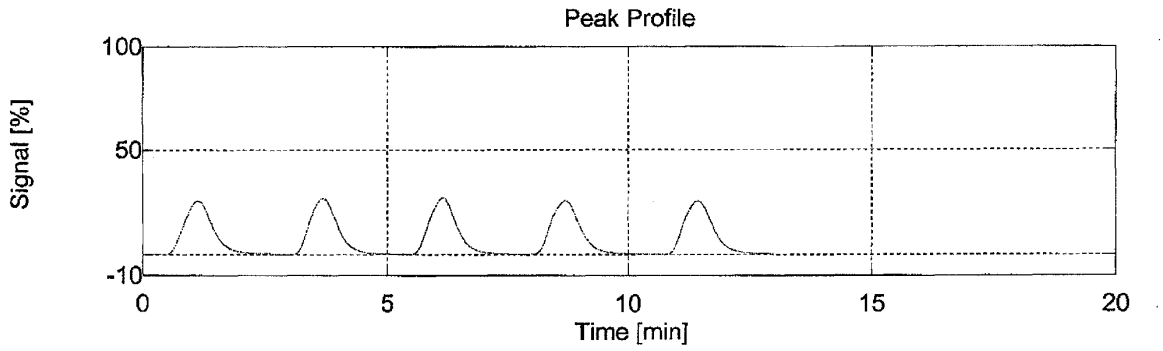
Mean Area	Conc	No. Of Washes	SD	CV	Modified
18723	52.49 ppm	4	260	1.39%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S5	5	27	18118	50.785	E	******	01/03/2008 03:53:06	071212tc.cal
2	S5	5	27	18403	51.587		******	01/03/2008 03:56:21	071212tc.cal
3	S5	5	27	18779	52.646		******	01/03/2008 03:59:42	071212tc.cal
4	S5	5	27	19033	53.360		******	01/03/2008 04:03:14	071212tc.cal
5	S5	5	27	18680	52.367		******	01/03/2008 04:06:43	071212tc.cal

1511

170012

TOC-Control



Samples

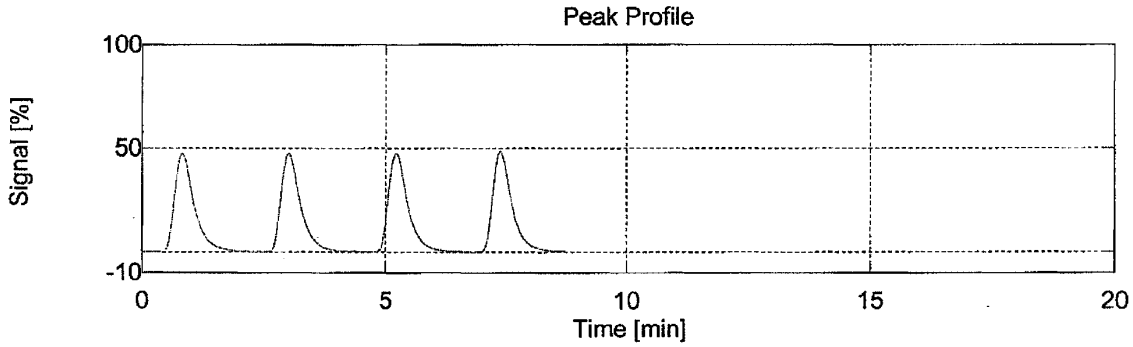
Sample Name: CCVIC
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212ic.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	IC	0	1.000	0	01/03/2008 04:19:10

Mean Area	Conc	Result	No. Of Washes	SD	CV	Modified
23353	55.71 ppm	TOC: -3.221ppm	4	136	0.583%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S5	5	33	23298	55.574		******	01/03/2008 04:10:32	071212ic.cal
2	S5	5	33	23267	55.498		******	01/03/2008 04:13:26	071212ic.cal
3	S5	5	33	23293	55.562		******	01/03/2008 04:16:17	071212ic.cal
4	S5	5	33	23557	56.210		******	01/03/2008 04:19:10	071212ic.cal

TOC-Control



Samples

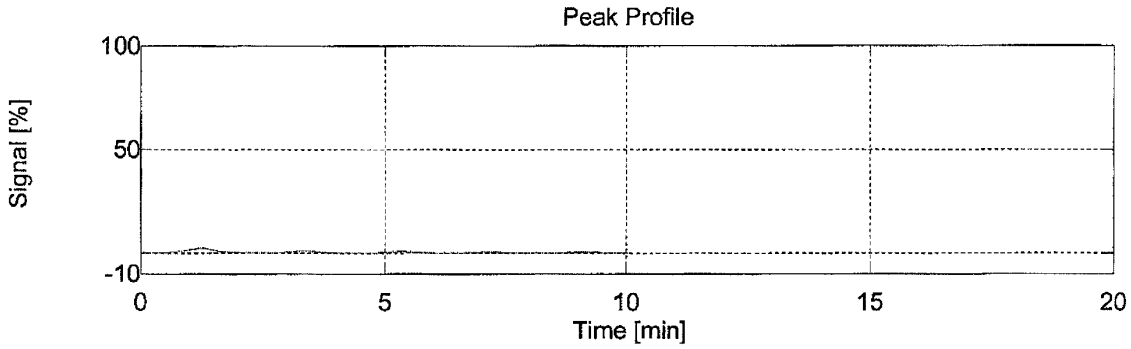
Sample Name: CCB
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212tc.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	TC	0	1.000	0	01/03/2008 04:35:10

Mean Area	Conc	No. Of Washes	SD	CV	Modified
0	-0.2055 ppm	4	0	0.00%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S6	5	27	1434	3.8303	E	******	01/03/2008 04:24:10	071212tc.cal
2	S6	5	27	0	-0.20547		******	01/03/2008 04:26:56	071212tc.cal
3	S6	5	27	0	-0.20547		******	01/03/2008 04:29:42	071212tc.cal
4	S6	5	27	0	-0.20547		******	01/03/2008 04:32:26	071212tc.cal
5	S6	5	27	0	-0.20547		******	01/03/2008 04:35:10	071212tc.cal

TOC-Control



Samples

Sample Name: CCB
Sample ID: 3224, RLY
Method: toc3.met
Cal Curve: 1: 071212ic.cal

Type	Analysis	Acid Add.	Dilution	Sparge Time	Date/Time
Unknown	IC	0	1.000	0	01/03/2008 04:46:36

Mean Area	Conc	Result	No. Of Washes	SD	CV	Modified
0	-1.604 ppm	TOC: 1.399ppm	4	0	0.00%	

No.	Vial	Range	Inj.Vol.	Area	Conc	Excl.	Notes	Date/Time	Cal Curve
1	S6	5	33	0	-1.6042		******	01/03/2008 04:38:43	071212ic.cal
2	S6	5	33	0	-1.6042		******	01/03/2008 04:41:22	071212ic.cal
3	S6	5	33	0	-1.6042		******	01/03/2008 04:43:59	071212ic.cal
4	S6	5	33	0	-1.6042		******	01/03/2008 04:46:36	071212ic.cal

TRANSMITTAL

AAI
Ardaman & Associates, Inc.

To: Gulf Coast Analytical Laboratories, Inc.
7979 GSRI Avenue
Baton Rouge, LA 70820

Date: December 29, 2007
Job No.: 07-L7196
Project: 207122020

Attention: Liz Martin

From: Karen D. Allen, C.E.T.

COPIES	DESCRIPTION
1	Grain Size Curve
1	Chain of Custody

THESE ARE TRANSMITTED:

■ **FOR YOUR USE** ☐ **FOR REVIEW & COMMENT** ■ **AS REQUESTED**

☐ **REVISE AS NOTED** ☐ **TO BE DISTRIBUTED**

REMARKS: _____

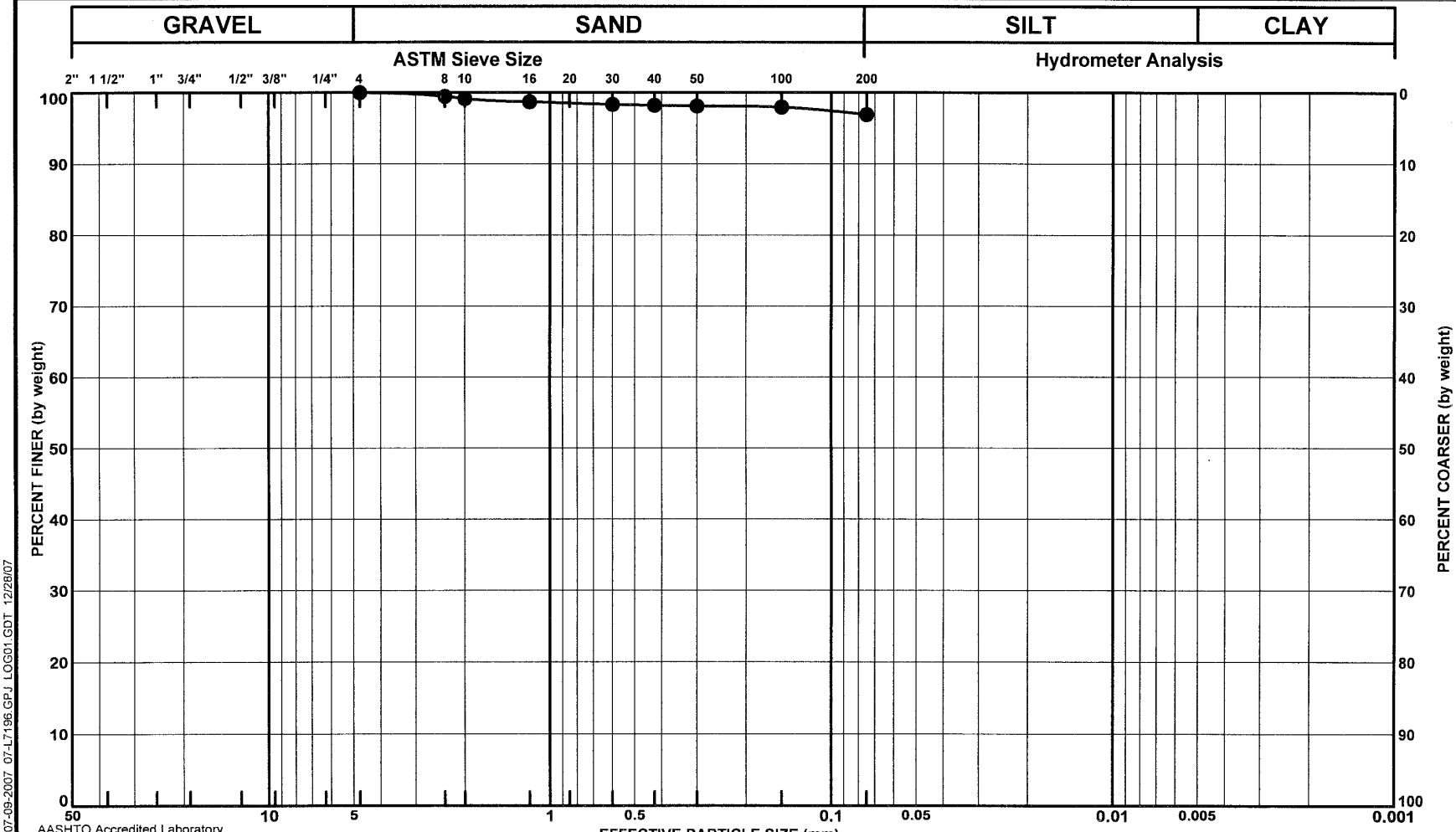
AASHTO Accredited Laboratory
LELAP Certificate No. 02052

316 HIGHLANDIA DRIVE
BATON ROUGE, LA 0810
PHONE: (225) 752-4790
FAX: (225) 752-4878

1515

170016

Sample Number	Sample Identification	Depth (ft.)	Visual Classification	%Gravel	%Sand	%Silt	%Clay	D100	D60	D30	D10	Cc	Cu	LL	PL	PI
● 2WSWD9	20712202001	0.0	Brown clay w/calcareous & ferrous nodules	0.0	3.1			4.75								
■																
▲																
◆																



AASHTO Accredited Laboratory
LELAP Certificate No. 02052
USACE Validated

Ardaman & Associates, Inc.

316 Highlandia Drive
Baton Rouge, LA 70810
Phone: (225) 752-4790
Fax: (225) 752-4878

PARTICLE SIZE ANALYSIS

Client: Gulf Coast Analytical Laboratories

Project Name: GCAL Project #207122020

AAI Project No.: 07-L7196

ARD GRAINSIZE 07-09-2007 07-L7196.GPJ LOG01.GDT 12/28/07

170017

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI AVE, BATON ROUGE LA 70820-7402
(225) 769-4900 FAX (225) 767-5717

07-L7196

Ardaman & Associates
316 Highlandia Drive
Baton Rouge, LA 70884

752-4790
GCAL COURIER

Chain of Custody Record

Submitted by	Bill to
Client: Gulf Coast Analytical Labs	Client: Gulf Coast Analytical Labs
Address: 7979 GSRI Avenue	Address: 7979 GSRI Avenue
Baton Rouge, LA 70820	Baton Rouge, LA 70820
Contact: Liz Martin	Contact: Accounts Payable
Phone: (225)769-4900	Phone: (225)769-4900
Fax: (225)767-5717	Fax: (225)767-5717

* Our P. O. Number must appear on the Invoice.

* Our Project Number must appear on the final report.

P.O. Number	Project Name/Number
071362	207122020

Sampled By: 4482

Matrix	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No. Containers	GRAIN SIZE ASTM C-136	Remarks:	Lab ID
S	12/19/07	1200		X	2WSWD9	N/A	1	X	20712202001	

Turn Around Time: 24 - 48 hrs | 3 days | 1 week | X standard | other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
D Hinkle	D Hinkle	12-24-07	0815
D Hinkle	Fyke	12-27-07	8:40am

Note: Level IV Package

Please fax results to (225)769-4900
PLEASE RETURN ICE CHESTS TO 7979 GSRI AVE.

Matrix: W = water, S=Soil, SD=Solid, L=Liquid, SL=Sludge, O=Oil, CT=Charcoal Tube, OVM=Organic Vapor Monitor, XT=XAD Tube, A=Air Bag, SUM=Summa Canister

170018

PBW/4482/20712 2020 /12-28-07

CHAIN-OF-CUSTODY RECORD AND REQUEST FOR ANALYSIS

1253

PASTOR, BEHLING & WHEELER, LLC

COC No.

☒ Round Rock Office
2201 Double Creek Drive, Suite 4004
Round Rock, TX 78664
Tel: (512)671-3434
Fax: (512)671-3446

☐ Port Lavaca Office
131 N. Virginia, Suite B
Port Lavaca, TX 77979
Tel: (361)553-6442
Fax: (361)553-6449

☐ Texarkana Office
2407 Moores Lane
Texarkana, TX 75503
Tel: (903)794-0625
Fax: (903)794-0626

PROJECT NO.: 1352 J37 PROJECT NAME: Gulfco PAGE: 1 OF: 2
SAMPLER (Signature): [signature] PROJECT MANAGER: Eric Pastor DATE: 12/19/07
METHOD OF SHIPMENT: FEDEX CARRIER/WAYBILL NO.: DESTINATION: GCAL

SAMPLES														ANALYSIS REQUEST					
		Sample Collection			Preservation						Containers			Constituents/Methods			Handling			Remarks
Lab No.	Field Sample Identification	DATE	TIME	Matrix*	HCl	HNO_3	H_2SO_4	COLD		FILTRATION*	VOLUME (ml/oz)	TYPE*	NO.	See attached page *			HOLD	RUSH	STANDARD	
	2WSED9	12/19/07	1200	SE				✓		N	V	G	12	for					✓	includes MS/MSD 1, 2.
	3WSED6		1315					✓			16		1	analytical-					✓	4
	3WSED5		1330					✓					1	varies					✓	5
	3WSED4		1340					✓					1	with					✓	6
	3WSED3		1350					✓					1	sample					✓	7
	3WSED2		1355					✓					1						✓	8
	3WSED1		1510					✓					1						✓	9
	SS-900							✓					1						✓	10
					TOTAL NUMBER OF CONTAINERS									LABORATORY COMMENTS/CONDITION OF SAMPLES						Cooler Temp: 3

RELINQUISHED BY:			DATE	TIME	RECEIVED BY:		
SIGNATURE	PRINTED NAME	COMPANY			SIGNATURE	PRINTED NAME	COMPANY
[signature]	Eric Pastor	PBW	12/19/07	1700			
Fedex			12/20/07	1011	[signature]	Michelle Rabola	GCAL
							LABORATORY

*KEY: Matrix: AQ - aqueous NA - nonaqueous SO - soil SL - sludge P - petroleum A - air OT - other Containers: P - plastic G - glass T - teflon B - brass OT - other Filtration: F - filtered U - unfiltered

DISTRIBUTION: PINK: Field Copy YELLOW: Laboratory Copy WHITE: Return to Originator SE = SEDIMENT V = Various 3

1518

170019

PBW/4482/207122020/12-28-07

CHAIN-OF-CUSTODY RECORD AND REQUEST FOR ANALYSIS

1252

PASTOR, BEHLING & WHEELER, LLC

COC No.

☒ Round Rock Office
2201 Double Creek Drive, Suite 4004
Round Rock, TX 78664
Tel: (512)671-3434
Fax: (512)671-3446

☐ Port Lavaca Office
131 N. Virginia, Suite B
Port Lavaca, TX 77979
Tel: (361)553-6442
Fax: (361)553-6449

☐ Texarkana Office
2407 Moores Lane
Texarkana, TX 75503
Tel: (903)794-0625
Fax: (903)794-0626

PROJECT NO.: 1352 J3 PROJECT NAME: GNLFCO PAGE: 2 OF: 2
SAMPLER (Signature): [signature] PROJECT MANAGER: Eric Pastor DATE: 12/19/07
METHOD OF SHIPMENT: Fed Ex CARRIER/WAYBILL NO.: DESTINATION: GCAL

SAMPLES														ANALYSIS REQUEST								
		Sample Collection			Preservation						Containers			Constituents/Methods					Handling			Remarks
Lab No.	Field Sample Identification	DATE	TIME	Matrix*	HCl	HNO_3	H_2SO_4	COLD		FILTRATION*	VOLUME (mL/oz)	TYPE*	NO.					VOCs	HOLD	RUSH	STANDARD	
	3W SED 7	12/19/07	1440	SE				✓		N	16	G	1	See							✓	11
	3W SED 8 1430		1425					✓			16	G	1	attached							✓	12
	3W SED 9		1425					✓			16	G	1	Page							✓	13
	SS121907-EB		1530	AQ				✓			V	V	9								✓	14
	SS121907-FB		1540					✓			V	V	9								✓	15
	TB-2		—					✓			30mL	G	3					✓			✓	16
	TB-3		—					✓			30mL	G	3					✓			✓	17

TOTAL NUMBER OF CONTAINERS

LABORATORY COMMENTS/CONDITION OF SAMPLES

Cooler Temp: i

RELINQUISHED BY:			DATE	TIME	RECEIVED BY:		
SIGNATURE	PRINTED NAME	COMPANY			SIGNATURE	PRINTED NAME	COMPANY
[signature]	Eric Pastor	PBW	12-19-07	1700			
Fedex			12-20-07	1011	ML	Michelle Raborn	GCAL
							LABORATORY

*KEY: Matrix: AQ - aqueous NA - nonaqueous SO - soil SL - sludge P - petroleum A - air OT - other Containers: P - plastic G - glass T - teflon B - brass OT - other Filtration: F - filtered U - unfiltered

DISTRIBUTION: PINK: Field Copy YELLOW: Laboratory Copy WHITE: Return to Originator SE = Sediment V = Vanes

1519

170020

TABLE 4 - PROPOSED WETLAND SEDIMENT SAMPLE ANALYSES

Sample Location(s)	Sample Depth (ft)	Analytical Parameter
3WSED1	0-0.5	4,4'-DDT Zinc
3WSED2	0-0.5	4,4'-DDT Zinc
3WSED3	0-0.5	4,4'-DDT
3WSED4	0-0.5	4,4'-DDT
3WSED5	0-0.5	4,4'-DDT Nickel
3WSED6	0-0.5	4,4'-DDT Nickel
3WSED7	0-0.5	4,4'-DDT
3WSED8 SS-900	0-0.5	4,4'-DDT Dieldrin Zinc
3WSED9	0-0.5	Dieldrin Zinc
2WSED8, 2WSED9, 2WSED10 ~~SS19~~ SS12190 EB (7) SS12190 FB (7)	1-2[1]	VOCs[2] SVOCs[3] Pesticides[4] Metals[5] PCBs[6] Grain-size Total organic carbon

Notes:

(1) Sample will not be collected if saturated conditions are observed at a depth of 2 feet or less.

(2) All VOCs listed in Table B-4 of Field Sampling Plan

(3) All SVOCs listed in Table B-4 of Field Sampling Plan

(4) All pesticides listed in Table B-4 of Field Sampling Plan

(5) All metals listed in Table B-4 of Field Sampling Plan except chromium (VI)

(6) All PCBs listed in Table B-4 of Field Sampling Plan

(7) No grain size analysis on EB + FB samples

1529

170021

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO: 207122020 **Type:** D
Desc: **Report:** REVIEW_RPT
Work ID: Gulfco Marine Maintenance Site **Status:** WP
Project Seq: 66126 **Created:** 12/20/2007 11:55
Client: 4482 - Pastor, Behling, & Wheeler **QA:**
Profile: 78418 - GULFCO - Gulfco Marine Maintenance Site **PO:** 1352

WORKORDER SAMPLES

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20712202001-1	2	NONE			X			X	OK
20712202001-2	16	NONE			X			X	OK
20712202001-3	4	NONE			X			X	OK
20712202001-4	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20712202002-1	2	NONE			X			X	OK
20712202002-2	16	NONE			X			X	OK
20712202002-3	4	NONE			X			X	OK
20712202002-4	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20712202003-1	2	NONE			X			X	OK
20712202003-2	16	NONE			X			X	OK
20712202003-3	4	NONE			X			X	OK
20712202003-4	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20712202004-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20712202005-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20712202006-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20712202007-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20712202008-1	16	NONE			X			X	OK

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20712202009-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20712202010-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20712202011-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20712202012-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20712202013-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20712202014-1	8	NONE			X			X	OK
20712202014-10	40	HCL			✓	✓			OK
20712202014-2	4	HCL	✓		✓	✓		X	OK
20712202014-3	OC	HNO3	✓		✓			X	OK
20712202014-4	LA	NONE			X			X	OK
20712202014-5	LA	NONE			X			X	OK
20712202014-6	LA	NONE			X			X	OK
20712202014-7	LA	NONE			X			X	OK
20712202014-8	40	HCL			✓	✓			OK
20712202014-9	40	HCL			✓				OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20712202015-1	8	NONE			X			X	OK
20712202015-10	40	HCL			✓	✓			OK
20712202015-2	4	HCL	✓					X	OK
20712202015-3	OC	HNO3	✓					X	OK
20712202015-4	LA	NONE			X			X	OK
20712202015-5	LA	NONE			X			X	OK
20712202015-6	LA	NONE			X			X	OK
20712202015-7	LA	NONE			X			X	OK
20712202015-8	40	HCL			✓	✓			OK
20712202015-9	40	HCL			✓				OK

1522

170023

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20712202016-1	40	HCL			✓	✓			OK
20712202016-2	40	HCL			✓	✓			OK
20712202016-3	40	HCL			✓	✓			OK

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20712202017-1	40	HCL			✓	✓			OK
20712202017-2	40	HCL			✓	✓			OK
20712202017-3	40	HCL			✓	✓			OK

A = ACCEPTABLE
U = UNACCEPTABLE
N\A = NOT APPLICABLE

COOLER (S) TEMPERATURE (A) U LIMIT = 4C + \ - 2C

MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

Custody Seal
used [✓] Yes [ ] No
in tact [✓] Yes [ ] No

LABEL(S) VERIFIED_____ CUSTODIAN MM

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 01/08/2008

GCAL Report 207122020

RESUBMITTED

Deliver To	QAA, L.L.C. 1007 Francis Dr College Station, TX 77840 979-694-7199
Attn	Taryn Scholz

Customer Pastor, Behling, & Wheeler

Project Gulfco Marine Maintenance Site

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 207122020

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

The Form 1 for sample 20712202001 (2WSED9 (1-2)) is being resubmitted on 2/7/08 for SW-846 8260B to correct a flag on Methyl iodide.

VOLATILES MASS SPECTROMETRY

In the SW-846 8260B analysis, samples 20712202001 (2WSED9 (1-2)), 20712202002 (2WSED9 MS (1-2)), and 20712202003 (2WSED9 MSD (1-2)), had to be analyzed at a 50 (methanol extract) dilution for 2-Chloroethylvinyl ether.

In the SW-846 8260B analysis for analytical batch 364414, the MS/MSD exhibited recovery and RPD failures. The LCS/LCSD recoveries were above the upper control limit for Methyl iodide.

In the SW-846 8260B analysis, the recoveries for Bromomethane, Vinyl acetate, and trans-1,4-Dichloro-2-butene were above the upper control limits in the ICV (MSV0, 12/30/07).

In the SW-846 8260B analysis, the %D/%Drift was outside ±20% for Chloroethane, Methyl iodide, Acetone, 2,2-Dichloropropane, and n-Butyl alcohol in the CCV (MSV0, 12/31/07).

In the SW-846 8260B analysis, the recoveries for Cyclohexane, Methyl cyclohexane, 2-Chloroethylvinyl ether, 2-Hexanone, Bromoform, and 1,4-Dichloro-2-butene were above the upper control limits in the ICV (MSSV9, 12/29/07).

In the SW-846 8260B analysis, the %D/%Drift was outside ±20% for 1,1,2,2-Tetrachloroethane, 1,3,5-Trimethylbenzene, and tert-Butylbenzene in the CCV (MSV9,

SEMI-VOLATILES MASS SPECTROMETRY

In the SW-846 8270C analysis, sample 20712202015 (SS121907-FB) had one surrogate recovery outside control limits in the base-neutral fraction. All other surrogate recoveries were acceptable for this sample.

In the SW-846 8270C analysis for prep batch 363895, no MS/MSD was performed due to insufficient sample volume. The LCS and/or LCSD recoveries were above the upper control limits for Benzaldehyde, Benzo(g,h,i)perylene, Benzoic Acid, Indeno(1,2,3-

RESUBMITTED 2

cd)pyrene, n-Nitrosodimethylamine, Caprolactam, Phenol, and 4-Nitrophenol. The LCS/LCSD RPD was above the control limit for Benzaldehyde. These compounds were not detected in the associated samples. The MB, LCS, and LCSD had one surrogate recovery outside control limits in the acid fraction.

In the SW-846 8270C analysis for prep batch 363956, the MS/MSD exhibited sporadic recovery and RPD failures. The LCS and/or LCSD recoveries were above the upper control limits for n-Nitrosodimethylamine, Benzo(b)fluoranthene and Carbazole were recovered outside of the established control limits for the LCS and/or LCSD. The LCS/LCSD RPD was above the control limit for n-Nitrosodimethylamine.

In the SW-846 8270C analysis, the recovery for Benzaldehyde was above the upper control limit in the ICV (MSSV4, 12/23/07). This compound was not detected in the associated compounds and is a poor performing compound.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the SW-846 8081A (Pesticides) analysis, the recoveries for the surrogates were above the upper control limits for sample 20712202008 (3WSED2 (0-0.5)). No target compounds were detected in the sample.

In the SW-846 8081A (Pesticides) analysis for prep batch 364231, the MS/MSD exhibited recovery failures. All LCS/LCSD recoveries were acceptable. The LCS/LCSD RPDs were above the control limits for Endosulfan sulfate and delta-BHC.

In the SW-846 8081A (Pesticides) analysis, the recovery for Methoxychlor was above the upper control limit in the ICV (GCSV18A, 12/13/07; GCSV18B, 12/13/07). This compound was not detected in the associated samples.

In the SW-846 8081A (Pesticides) analysis, the %D was greater than 15% for alpha-BHC in the CCV (GCSV18A, 12/31/07 09:29). The average for all compounds was <15%.

In the SW-846 8081A (Pesticides) analysis, the %D was greater than 15% for alpha-BHC and 4,4'-DDT in the CCV (GCSV18A, 12/31/07 16:06). The average for all compounds was <15%.

In the SW-846 8081A (Pesticides) and 8082 (PCBs) analysis, the final extract volume is 5 mL rather than 10 mL. This causes the LCS/LCSD and MS/MSD concentrations to be more concentrated. The concentrations for some compounds are slightly above the upper calibration range of the instrument. These compounds are flagged "E", on the form 1s.

In the SW-846 8082 (PCBs) analysis, the recovery for Aroclor 1260 was outside the control limits in the ICV (GCSV18B, 12/13/07).

METALS

In the SW-846 6010B analysis for prep batch 363849, the MS and/or MSD recoveries were outside the control limits for Antimony, Barium, Strontium, Tin, and Titanium. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference or the element is non-homogeneous in the sample matrix. A post-digestion spike was performed on the QC sample for this batch with recoveries of 117% for Antimony, 86% for Barium, 64% for Strontium, 93% for Tin and 119% for Titanium. The MS/MSD recoveries and RPDs and post-digestion spike recoveries are not applicable for Aluminum, Iron, and Manganese because the sample concentration is greater than four times the spike concentration. Chromium, Cobalt, Lithium, Manganese, Nickel, and Titanium are flagged as estimated on the serial dilution form due to the fact that the percent difference between the original sample result and the serial dilution result for the batch QC sample is greater than 10. A chemical or physical interference is suspected.

In the SW-846 6010B analysis for prep batch 363850, the Sample/Duplicate RPDs for Antimony, Boron, and Chromium are not applicable because the sample and/or duplicate concentration is less than five times the reporting limit. Aluminum and Titanium are flagged as estimated on the serial dilution form due to the fact that the percent difference between the original sample result and the serial dilution result for the batch QC sample is greater than 10. A chemical or physical interference is suspected.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED9 (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207122020

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 18.0

GC Column: DB-624-30M ID: .53 (mm)

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20712202001

Lab File ID: 2071231/x1942

Date Collected: 12/19/07 Time: 1200

Date Received: 12/20/07

Date Analyzed: 12/31/07 Time: 1349

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 364414

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00610	U	0.000287	0.00610
75-27-4	Bromodichloromethane	0.00610	U	0.000165	0.00610
75-25-2	Bromoform	0.00610	U	0.000206	0.00610
74-83-9	Bromomethane	0.00610	U	0.00184	0.00610
104-51-8	n-Butylbenzene	0.00610	U	0.000217	0.00610
75-15-0	Carbon disulfide	0.00610	U	0.000133	0.00610
56-23-5	Carbon tetrachloride	0.00610	U	0.000146	0.00610
108-90-7	Chlorobenzene	0.00610	U	0.000201	0.00610
75-00-3	Chloroethane	0.00610	U	0.000739	0.00610
67-66-3	Chloroform	0.00246	J	0.000172	0.00610
74-87-3	Chloromethane	0.00610	U	0.000566	0.00610
124-48-1	Dibromochloromethane	0.00610	U	0.000110	0.00610
74-95-3	Dibromomethane	0.00610	U	0.000190	0.00610
75-71-8	Dichlorodifluoromethane	0.00610	U	0.000444	0.00610
10061-01-5	cis-1,3-Dichloropropene	0.00610	U	0.000140	0.00610
10061-02-6	trans-1,3-Dichloropropene	0.00610	U	0.000172	0.00610
100-41-4	Ethylbenzene	0.00610	U	0.000252	0.00610
87-68-3	Hexachlorobutadiene	0.00610	U	0.00152	0.00610
98-82-8	Isopropylbenzene (Cumene)	0.00610	U	0.000187	0.00610
79-20-9	Methyl Acetate	0.00610	U	0.00186	0.00610
74-88-4	Methyl iodide	0.00610	U	0.00111	0.00610
108-87-2	Methylcyclohexane	0.00610	U	0.000451	0.00610
75-09-2	Methylene chloride	0.00266	J	0.000584	0.012
91-20-3	Naphthalene	0.00610	U	0.000459	0.00610
100-42-5	Styrene	0.00610	U	0.000185	0.00610
127-18-4	Tetrachloroethene	0.00610	U	0.000234	0.00610
108-88-3	Toluene	0.00610	U	0.000671	0.00610
79-01-6	Trichloroethene	0.00610	U	0.000216	0.00610
75-69-4	Trichlorofluoromethane	0.00610	U	0.000307	0.00610
76-13-1	Trichlorotrifluoroethane	0.00610	U	0.000229	0.00610
108-05-4	Vinyl acetate	0.00610	U	0.00119	0.00610
75-01-4	Vinyl chloride	0.00610	U	0.000428	0.00610

RESUBMITTED 41