GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 06/12/2008

GCAL Report 208060522

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

9167348

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 208060522

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.

Selected pages of the report are resubmitted. The gamma-Chlordane detection in sample 20806052210 (2WSED8) was a false positive in the SW-846 8081A analysis and has been removed. A new form 1 and raw data is submitted.

VOLATILES MASS SPECTROMETRY

In the SW-846 8260B analysis, all soil samples were analyzed at a 50 (methanol extract) dilution for 2-Chloroethylvinyl ether and n-Butanol. The reporting limits are elevated based on the dilution. The laboratory could not generate an acceptable solid initial calibration for these compounds. The methanol extracts are quantitated with the water initial calibration curve.

In the SW-846 8260B analysis for analytical batch 375350, the MS/MSD exhibited numerous recovery and RPD failures. All LCS/LCSD recoveries and RPDs were acceptable. Chloroform and Methylene chloride were detected at estimated concentrations in the method blank.

In the SW-846 8260B analysis for analytical batch 375282, Chloroform and Naphthalene were detected at estimated concentrations in the method blank.

In the SW-845 8260B analysis, the recovery for Methyl iodide was above the upper control limit in the ICV (MSV0, 06/07/08pm). This compound was not detected in the associated samples.

In the SW-846 8260B analysis, the %D was outside ±30% for Methyl iodide (39.7) and Carbon tetrachloride (36.8) in the CCV (MSV0, 06/10/08). The recoveries were high and this compound was not detected in the associated samples.

In the SW-846 8260B analysis, the %D was outside ±30% for Bromomethane (-30.7) in the CCV (MSV5, 06/10/08).

SEMI-VOLATILES MASS SPECTROMETRY

In the SW-846 8270C analysis for prep batch 375218, the MS/MSD exhibited recovery and RPD failures. The MS/MSD and LCS/LCSD recoveries were above the upper control limits for Atrazine. The LCS/LCSD recoveries were above the upper control limits for

Aniline and Benzo(k)fluoranthene. The LCS/LCSD RPDs were above the control limits for Benzaldehyde and Benzidine.

In the SW-846 8270C analysis for prep batch 375004, the LCS recoveries were above the upper control limits for Acenaphthylene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, 4-Bromophenyl phenyl ether, 2-Methylnaphthalene, o-Cresol, Aniline, 4-Chloroaniline, Atrazine (Aatrex), and Benzidine. The concentrations for some compounds are flagged E on the Form 1 for the LCS because the concentrations are greater than the high concentration standard.

In the SW-846 8270C analysis for prep batch 375086, the LCS and/or LCSD recoveirs were above the upper control limits for Acenaphthylene, Benzidine, Benzo(k)fluoranthene, Benzoic acid, Indeno(1,2,3-cd)pyrene, Aniline, 4-Chloroaniline, Atrazine (Aatrex), and Benzaldehyde. The concentrations for some compounds are flagged E on the Form 1 for the LCS/LCSD because the concentrations are greater than the high concentration standard.

In the SW-846 8270C analysis, the %RSD was greater than 30% for Benzidine (32.2) and Benzaldehyde (65.9) in the initial calibration (MSSV5, 06/02/08).

In the SW-846 8270C analysis, the %D/%Drift was outside ±30% for Pyridine (37.6), n-Nitrosodimethylamine (74.2), Benzoic acid (41.8), Benzidine (42.9), and Benzaldehyde (39.8) in the CCV (MSSV5, 06/07/08). These are poor performing compounds.

In the SW-846 8270C analysis, the %D/%Drift was outside ±30% for n-Nitrosodimethylamine (135), Benzidine (129), and Benzaldehyde (42.8) in the CCV (MSSV5, 06/09/08). These are poor performing compounds.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the SW-846 8081A analysis, the RPD between the original result and the confirmation result was greater than 40 for gamma-Chlordane for sample 20806052210 (SWSED8). The higher result is reported.

In the SW-846 8081A and 8082 analyses, samples 20806052205 (4WSED3), 20806052206 (4WSED3 MS), and 20806052207 (4WSED3 MSD) required dilutions to eliminate the interference from non-target background. The dilutions are reflected in elevated detection limits. The recoveries for the surrogates are reported as "D", diluted out.

In the SW-846 8081A analysis for prep batch 375037, the MSD exhibited a recovery failure. The MS/MSD exhibited numerous RPD failures. The LCS recovery was above the upper control limit for gamma-Chlorodane.

METALS

In the SW-846 6010B analysis, a chemical or physical interference necessitated a dilution for samples 20806052201 (SHELL 1), 20806052202 (SHELL 2), and 20806052203 (SHELL 3). This is reflected in elevated detection limits.

In the SW-846 6010B analysis for prep batch 375043, the MS and/or MSD recoveries were outside the control limits for Antimony, Arsenic, Boron, Copper, Lead, Molybdenum, Strontium, Thallium 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 nonhomogeneous in the sample matrix. A post-digestion spike was performed on the QC sample for this batch with recoveries of 107% for Antimony, 50% for Arsenic, 88% for Boron, 95% for Copper, 86% for Lead, 96% for Molybdenum, 104% for Strontium, 56% for Thallium and 91% for Titanium. The MS/MSD spike recoveries and post-digestion spike recoveries are not applicable for Aluminum, Barium, Iron, Manganese, and Zinc because the sample concentration is greater than four times the spike concentration. The MS/MSD RPD for Antimony, Lead and Strontium was outside the control limits. The heterogeneous nature of the QC sample is believed to be responsible for this. Antimony, Boron, Iron, Lithium, and Vanadium are flagged E, estimated on the serial dilution form due to the fact that the % difference between the original result and the serial dilution result for the batch QC sample was greater than 10.

In the SW-846 6010B analysis the Sample/Duplicate RPDs for Boron, Molybdenum, Thallium, and Tin for prep batch 375072 are not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SWSED8 (1-2)

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30.2 | Units: g | Lab Sample ID: 20806052210

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 1345

% Moisture: 26.4 | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/09/08 | Time: 1352

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: 375037 | Analytical Batch: 375231 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: mg/kg | Lab File ID: 2080609/sv16a006

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00270	U	0.000601	0.00270
72-55-9	4,4'-DDE	0.00270	U	0.000520	0.00270
50-29-3	4,4'-DDT	0.00270	U	0.000580	0.00270
309-00-2	Aldrin	0.00135	U	0.000513	0.00135
60-57-1	Dieldrin	0.00270	U	0.000506	0.00270
959-98-8	Endosulfan I	0.00135	U	0.000486	0.00135
33213-65-9	Endosulfan II	0.00270	U	0.000587	0.00270
1031-07-8	Endosulfan sulfate	0.00270	U	0.000614	0.00270
72-20-8	Endrin	0.00270	U	0.000607	0.00270
7421-93-4	Endrin aldehyde	0.00270	U	0.000675	0.00270
53494-70-5	Endrin ketone	0.00270	U	0.000614	0.00270
76-44-8	Heptachlor	0.00135	U	0.000452	0.00135
1024-57-3	Heptachlor epoxide	0.00135	U	0.000486	0.00135
72-43-5	Methoxychlor	0.013	U	0.000742	0.013
8001-35-2	Toxaphene	0.135	U	0.00632	0.135
319-84-6	alpha-BHC	0.00135	U	0.000452	0.00135
5103-71-9	alpha-Chlordane	0.00135	U	0.000466	0.00135
319-85-7	beta-BHC	0.00270	U	0.000560	0.00270
319-86-8	delta-BHC	0.00135	U	0.000587	0.00135
58-89-9	gamma-BHC (Lindane)	0.00135	U	0.000425	0.00135
5103-74-2	gamma-Chlordane	0.00135	U	0.000493	0.00135

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Data File: /var/chem/gcsv16a.i/2080609.b/sv16a006.d
Report Date: 27-Jun-2008 08:35

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080609.b/sv16a006.d
Lab Smp Id: 20806052210 Client Smp ID: SWSED8-1-2
Inj Date : 09-JUN-2008 13:52
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052210*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080609.b/pest35MS.m
Meth Date : 24-Jun-2008 10:34 tls Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

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

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	5.027	5.015	0.012	454296954	58.0013	9.6
$ 22 Decachlorobiphenyl	12.984	12.988	-0.004	357012109	61.5853	10

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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.: 208060522			
Reviewer: Taryn Scholz and Don Flory (QAA, L.L.C.)	Date Checked: 6/14/08 and 6/28/08			
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			
16. Internal standard areas within project control limits?		x		see Attachment 1
Laboratory EDD				
17. Field sample IDs included?	x			17.
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			

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

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. Dichlorodifluoromethane is not reported for the equipment blank (SE-060408-EB) and one trip blank (TRIP BLANK-1) or for the QC (LCS, LCSD, and method blank) associated with the aqueous blanks. Results (all non-detects) are reported for the environmental samples plus the field blank and two trip blanks. The validator did not request corrections from the lab since results for the environmental samples are not affected.

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

VOC – For batch 375350, Chloroform and Methylene chloride at estimated conc in method blank; For batch 375282 (aq blanks), Chloroform and Naphthalene at estimated conc in method blank

PEST – Confirmation RPD > 40% for gamma-Chlordane in 2WSED8 (1-2), higher result reported -> Revised report submitted 6/28/08 with this detect removed. Upon examination, the laboratory determined that this detect was a false positive (based on a retention time shift on the second column and the large RPD between columns)

11. All VOC soil samples analyzed at a 50 (methanol extract) dilution for 2-Chloroethylvinyl ether and n-Butyl alcohol due to calibration problems for low-level solid analysis. Sample 4WSED3 (0-0.5) and its MS/MSD diluted to eliminate interference from non-target background. SUs diluted out. SHELL samples diluted due to physical/chemical interference (all detects).

17. Sample 2WSED8 (1-2) is reported as SWSED8 (1-2). The validator corrected the ID in the EDD. Corrections from the lab for EDD/Hardcopy were not requested to save time for these quick turnaround samples.

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

Actual MQLs are above the target MQLs for the following:

	Target MQL (mg/kg)	Actual MQL (mg/kg)
Benzidine	1.32	1.65

25. The VOC soil samples were analyzed as high level soils (50x dilution) for 2-Chloroethylvinyl ether and n-Butyl alcohol. Sample 4WSED3 (0-0.5) diluted 10x for Pest/PCB.

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 lab are included as per QAPP. This is every TA except n-Butyl alcohol, Toxaphene, and the 5 middle Aroclors.

SET SUMMARY
Laboratory Job No.: 208060522

9	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
3	Number of VOC Trip Blanks
6	Number of Parameters (VOC, SVOC, Pesticides, Aroclors, Metals, TOC)
NA	Number of Target Analytes per Sample (Zinc only for 4 samples, 199 TAs for rest)
999	Total Measurements for Field Samples
811	Number of measurements with no validation qualifier (i.e., “none” in EDD)
90	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)
15	Number of measurements with UJ flag and an elevated SDL (for 2,4-Dinitrophenol , n-Butyl alcohol, and trans-1,4-Dichloro-2-butene) due to poor instrument response, i.e., low RRF)
0	Number of measurements with J- flag (for Antimony due to extremely low matrix spike recovery)
32	Number of measurements with J flag (due solely to result being between the SDL and SQL)
1	Number of measurements with J flag (due to result being between the SDL and SQL plus calibration drift for one Indeno(1,2,3-cd)pyrene result)
31	Number of measurements with J flag (for Barium, Lead, Manganese, Strontium, Zinc, and TOC due to poor MS/MSD or field duplicate precision)
1	Number of measurements with J+ flag (for Indeno(1,2,3-cd)pyrene due to calibration drift and high MS/MSD recovery)
13	Number of measurements with U flag (due to blank contamination; analytes affected include 2-Butanone, Acetone, Chloroform, Methylene chloride, and Zinc)
0	Number of measurements with NS flag
5	Number of measurements with R flag (for the five non-detects for Benzidine due to 0% matrix spike recovery)
100%	Completeness-to-date on a sample level (percentage of Phase 1, 2, 3, and 4 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 90%)
91%	Completeness-to-date on an analyte level (percentage of Phase 1, 2, 3, and 4 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, 3, and 4 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 80%) – Antimony
83%	Completeness-to-date on an analyte level (percentage of Phase 1, 2, 3, and 4 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, 3, and 4 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, 3, and 4 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, 3, and 4 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 except the five results for Benzidine (all non-detects). Data for 2,4-Dinitrophenol , n-Butyl alcohol, 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
2WSED10 (1-2)	Arsenic	UJ	low ave MS/MSD recovery (50%)
2WSED10 (1-2)	Barium	J	poor MS/MSD precision (101 RPD)
2WSED10 (1-2)	Lead	J	poor MS/MSD precision (110 RPD)
2WSED10 (1-2)	Manganese	J	poor MS/MSD precision (34 RPD)
2WSED10 (1-2)	Molybdenum	J	result between SDL and SQL
2WSED10 (1-2)	Strontium	J	poor field precision (60 RPD)
2WSED10 (1-2)	Thallium	UJ	low ave MS/MSD recovery (57.5%)
2WSED10 (1-2)	Zinc	J	poor MS/MSD precision (41 RPD)
2WSED10 (1-2)	Mercury	J	result between SDL and SQL
2WSED10 (1-2)	Aroclor-1016	UJ	calibration drift (%D= -19)
2WSED10 (1-2)	Aroclor-1260	UJ	calibration drift (%D= -17); calibration drift (%D= -18)
2WSED10 (1-2)	1,2,4-Trichlorobenzene	UJ	low ave MS/MSD recovery (57%)
2WSED10 (1-2)	1,2-Dichloroethane	J	result between SDL and SQL
2WSED10 (1-2)	Acrolein	UJ	low ave MS/MSD recovery (53.5%)
2WSED10 (1-2)	Chloroform	U	laboratory blank contamination (0.00169 J mg/kg); result between SDL and SQL
2WSED10 (1-2)	Hexachlorobutadiene	UJ	low ave MS/MSD recovery (45.5%)
2WSED10 (1-2)	Methylene chloride	U	laboratory blank contamination (0.00188 J mg/kg); trip blank contamination (0.00407 J mg/L); result between SDL and SQL
2WSED10 (1-2)	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 50x (Sed); calibration drift (%D= -25)
2WSED10 (1-2)	Toluene	J	result between SDL and SQL
2WSED10 (1-2)	trans-1,4-Dichloro-2-butene	UJ	low instrument response (low RRF), elevate SDL for NDs 7x (Sed)
2WSED10 (1-2)	Vinyl acetate	UJ	low ave MS/MSD recovery (36%)
2WSED10 (1-2)	2,4-Dinitrophenol	UJ	low instrument response (low RRF), elevate SDL for NDs 21x (Sed); low ave MS/MSD recovery (53%)
2WSED10 (1-2)	2,6-Dinitrotoluene	UJ	calibration drift (%D= -23)
2WSED10 (1-2)	3,3'-Dichlorobenzidine	UJ	low ave MS/MSD recovery (55%)
2WSED10 (1-2)	4-Chloroaniline	UJ	low ave MS/MSD recovery (57.5%)
2WSED10 (1-2)	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
2WSED10 (1-2)	Benzidine	R	extremely low ave MS/MSD recovery (0%); poor calibration fit (%RSD=32)
2WSED10 (1-2)	Benzoic acid	UJ	low ave MS/MSD recovery (57.5%)
2WSED10 (1-2)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (54.5%)
2WSED10 (1-2)	Pyridine	UJ	low LCS recovery (55%)
2WSED10 (1-2)	Total Organic Carbon	J	poor field precision (67 RPD)
2WSED8 (1-2)	Arsenic	UJ	low ave MS/MSD recovery (50%)
2WSED8 (1-2)	Barium	J	poor MS/MSD precision (101 RPD)
2WSED8 (1-2)	Lead	J	poor MS/MSD precision (110 RPD)
2WSED8 (1-2)	Manganese	J	poor MS/MSD precision (34 RPD)
2WSED8 (1-2)	Molybdenum	J	result between SDL and SQL
2WSED8 (1-2)	Strontium	J	poor field precision (60 RPD)
2WSED8 (1-2)	Thallium	UJ	low ave MS/MSD recovery (57.5%)
2WSED8 (1-2)	Tin	J	result between SDL and SQL
2WSED8 (1-2)	Zinc	J	poor MS/MSD precision (41 RPD)
2WSED8 (1-2)	Mercury	J	result between SDL and SQL
2WSED8 (1-2)	1,2,4-Trichlorobenzene	UJ	low ave MS/MSD recovery (57%)
2WSED8 (1-2)	1,2-Dichloroethane	J	result between SDL and SQL
2WSED8 (1-2)	Acrolein	UJ	low ave MS/MSD recovery (53.5%)
2WSED8 (1-2)	Chloroform	U	laboratory blank contamination (0.00169 J mg/kg); result between SDL and SQL

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED8 (1-2)	Hexachlorobutadiene	UJ	low ave MS/MSD recovery (45.5%)
2WSED8 (1-2)	Methylene chloride	U	laboratory blank contamination (0.00188 J mg/kg); trip blank contamination (0.00407 J mg/L); result between SDL and SQL
2WSED8 (1-2)	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 50x (Sed); calibration drift (%D= -25)
2WSED8 (1-2)	Toluene	J	result between SDL and SQL
2WSED8 (1-2)	trans-1,4-Dichloro-2-butene	UJ	low instrument response (low RRF), elevate SDL for NDs 7x (Sed)
2WSED8 (1-2)	Vinyl acetate	UJ	low ave MS/MSD recovery (36%)
2WSED8 (1-2)	2,4-Dinitrophenol	UJ	low instrument response (low RRF), elevate SDL for NDs 21x (Sed); low ave MS/MSD recovery (53%)
2WSED8 (1-2)	2,6-Dinitrotoluene	UJ	calibration drift (%D= -23)
2WSED8 (1-2)	3,3'-Dichlorobenzidine	UJ	low ave MS/MSD recovery (55%)
2WSED8 (1-2)	4-Chloroaniline	UJ	low ave MS/MSD recovery (57.5%)
2WSED8 (1-2)	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
2WSED8 (1-2)	Benzidine	R	extremely low ave MS/MSD recovery (0%); poor calibration fit (%RSD=32)
2WSED8 (1-2)	Benzoic acid	UJ	low ave MS/MSD recovery (57.5%)
2WSED8 (1-2)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (54.5%)
2WSED8 (1-2)	Pyridine	UJ	low LCS recovery (55%)
2WSED8 (1-2)	Total Organic Carbon	J	poor field precision (67 RPD)
4WSED1 (0-0.5)	Zinc	J	poor MS/MSD precision (41 RPD)
4WSED2 (0-0.5)	Arsenic	UJ	low ave MS/MSD recovery (50%)
4WSED2 (0-0.5)	Barium	J	poor MS/MSD precision (101 RPD)
4WSED2 (0-0.5)	Lead	J	poor MS/MSD precision (110 RPD)
4WSED2 (0-0.5)	Manganese	J	poor MS/MSD precision (34 RPD)
4WSED2 (0-0.5)	Molybdenum	J	result between SDL and SQL
4WSED2 (0-0.5)	Strontium	J	poor field precision (60 RPD)
4WSED2 (0-0.5)	Thallium	UJ	low ave MS/MSD recovery (57.5%)
4WSED2 (0-0.5)	Tin	J	result between SDL and SQL
4WSED2 (0-0.5)	Zinc	J	poor MS/MSD precision (41 RPD)
4WSED2 (0-0.5)	Aroclor-1016	UJ	calibration drift (%D= -19)
4WSED2 (0-0.5)	Aroclor-1260	UJ	calibration drift (%D= -17); calibration drift (%D= -18)
4WSED2 (0-0.5)	1,2,4-Trichlorobenzene	UJ	low ave MS/MSD recovery (57%)
4WSED2 (0-0.5)	Acrolein	UJ	low ave MS/MSD recovery (53.5%)
4WSED2 (0-0.5)	Chloroform	U	laboratory blank contamination (0.00169 J mg/kg); result between SDL and SQL
4WSED2 (0-0.5)	Hexachlorobutadiene	UJ	low ave MS/MSD recovery (45.5%)
4WSED2 (0-0.5)	Methylene chloride	U	laboratory blank contamination (0.00188 J mg/kg); trip blank contamination (0.00407 J mg/L); result between SDL and SQL
4WSED2 (0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 50x (Sed); calibration drift (%D= -25)
4WSED2 (0-0.5)	trans-1,4-Dichloro-2-butene	UJ	low instrument response (low RRF), elevate SDL for NDs 7x (Sed)
4WSED2 (0-0.5)	Vinyl acetate	UJ	low ave MS/MSD recovery (36%)
4WSED2 (0-0.5)	2,4-Dinitrophenol	UJ	low instrument response (low RRF), elevate SDL for NDs 21x (Sed); low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (53%)
4WSED2 (0-0.5)	2,6-Dinitrotoluene	UJ	calibration drift (%D= -21)
4WSED2 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave MS/MSD recovery (55%)
4WSED2 (0-0.5)	4-Chloroaniline	UJ	low ave MS/MSD recovery (57.5%)
4WSED2 (0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66); low ave LCS/LCSD recovery (44%)
4WSED2 (0-0.5)	Benzidine	R	extremely low ave MS/MSD recovery (0%); poor calibration fit (%RSD=32); low ave LCS/LCSD recovery (34.5%)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
4WSED2 (0-0.5)	Benzo(g,h,i)perylene	J	result between SDL and SQL
4WSED2 (0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (57.5%)
4WSED2 (0-0.5)	Fluoranthene	J	result between SDL and SQL
4WSED2 (0-0.5)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (54.5%)
4WSED2 (0-0.5)	Pyrene	J	result between SDL and SQL
4WSED2 (0-0.5)	Pyridine	UJ	low ave LCS/LCSD recovery (53.5%)
4WSED2 (0-0.5)	Total Organic Carbon	J	poor field precision (67 RPD)
4WSED3 (0-0.5)	Arsenic	UJ	low ave MS/MSD recovery (50%)
4WSED3 (0-0.5)	Barium	J	poor MS/MSD precision (101 RPD)
4WSED3 (0-0.5)	Lead	J	poor MS/MSD precision (110 RPD)
4WSED3 (0-0.5)	Manganese	J	poor MS/MSD precision (34 RPD)
4WSED3 (0-0.5)	Molybdenum	J	result between SDL and SQL
4WSED3 (0-0.5)	Strontium	J	poor field precision (60 RPD)
4WSED3 (0-0.5)	Thallium	UJ	low ave MS/MSD recovery (57.5%)
4WSED3 (0-0.5)	Zinc	J	poor MS/MSD precision (41 RPD)
4WSED3 (0-0.5)	Aroclor-1016	UJ	calibration drift (%D= -19)
4WSED3 (0-0.5)	Aroclor-1260	UJ	calibration drift (%D= -17); calibration drift (%D= -18)
4WSED3 (0-0.5)	1,2,4-Trichlorobenzene	UJ	low ave MS/MSD recovery (57%)
4WSED3 (0-0.5)	1,2-Dichloroethane	J	result between SDL and SQL
4WSED3 (0-0.5)	Acrolein	UJ	low ave MS/MSD recovery (53.5%)
4WSED3 (0-0.5)	Chloroform	U	laboratory blank contamination (0.00169 J mg/kg); result between SDL and SQL
4WSED3 (0-0.5)	Hexachlorobutadiene	UJ	low ave MS/MSD recovery (45.5%)
4WSED3 (0-0.5)	Methylene chloride	U	laboratory blank contamination (0.00188 J mg/kg); trip blank contamination (0.00407 J mg/L); result between SDL and SQL
4WSED3 (0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 50x (Sed); calibration drift (%D= -25)
4WSED3 (0-0.5)	Toluene	J	result between SDL and SQL
4WSED3 (0-0.5)	trans-1,4-Dichloro-2-butene	UJ	low instrument response (low RRF), elevate SDL for NDs 7x (Sed)
4WSED3 (0-0.5)	Vinyl acetate	UJ	low ave MS/MSD recovery (36%)
4WSED3 (0-0.5)	2,4-Dinitrophenol	UJ	low instrument response (low RRF), elevate SDL for NDs 21x (Sed); low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (53%)
4WSED3 (0-0.5)	2,6-Dinitrotoluene	UJ	calibration drift (%D= -21)
4WSED3 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave MS/MSD recovery (55%)
4WSED3 (0-0.5)	4-Chloroaniline	UJ	low ave MS/MSD recovery (57.5%)
4WSED3 (0-0.5)	Acenaphthene	J	result between SDL and SQL
4WSED3 (0-0.5)	Anthracene	J	result between SDL and SQL
4WSED3 (0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66); low ave LCS/LCSD recovery (44%)
4WSED3 (0-0.5)	Benzidine	R	extremely low ave MS/MSD recovery (0%); poor calibration fit (%RSD=32); low ave LCS/LCSD recovery (34.5%)
4WSED3 (0-0.5)	Benzo(b)fluoranthene	J	result between SDL and SQL
4WSED3 (0-0.5)	Benzo(g,h,i)perylene	J	result between SDL and SQL
4WSED3 (0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (57.5%)
4WSED3 (0-0.5)	Carbazole	J	result between SDL and SQL
4WSED3 (0-0.5)	Chrysene	J	result between SDL and SQL
4WSED3 (0-0.5)	Dibenzofuran	J	result between SDL and SQL
4WSED3 (0-0.5)	Fluoranthene	J	result between SDL and SQL
4WSED3 (0-0.5)	Fluorene	J	result between SDL and SQL
4WSED3 (0-0.5)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (54.5%)
4WSED3 (0-0.5)	Indeno(1,2,3-cd)pyrene	J+	calibration drift (%D= +32); high ave MS/MSD recovery (143%)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
4WSED3 (0-0.5)	Pyrene	J	result between SDL and SQL
4WSED3 (0-0.5)	Pyridine	UJ	low ave LCS/LCSD recovery (53.5%)
4WSED3 (0-0.5)	Total Organic Carbon	J	poor field precision (67 RPD)
SE600	Arsenic	UJ	low ave MS/MSD recovery (50%)
SE600	Barium	J	poor MS/MSD precision (101 RPD)
SE600	Lead	J	poor MS/MSD precision (110 RPD)
SE600	Manganese	J	poor MS/MSD precision (34 RPD)
SE600	Molybdenum	J	result between SDL and SQL
SE600	Strontium	J	poor field precision (60 RPD)
SE600	Thallium	UJ	low ave MS/MSD recovery (57.5%)
SE600	Tin	J	result between SDL and SQL
SE600	Zinc	J	poor MS/MSD precision (41 RPD)
SE600	Aroclor-1016	UJ	calibration drift (%D= -19)
SE600	Aroclor-1260	UJ	calibration drift (%D= -17); calibration drift (%D= -18)
SE600	1,1,2,2-Tetrachloroethane	UJ	low internal standard area (-70% of daily standard area)
SE600	1,2,3-Trichloropropane	UJ	low internal standard area (-70% of daily standard area)
SE600	1,2,4-Trichlorobenzene	UJ	low internal standard area (-70% of daily standard area); low ave MS/MSD recovery (57%)
SE600	1,2,4-Trimethylbenzene	UJ	low internal standard area (-70% of daily standard area)
SE600	1,2-Dibromo-3-chloropropane	UJ	low internal standard area (-70% of daily standard area)
SE600	1,2-Dichlorobenzene	UJ	low internal standard area (-70% of daily standard area)
SE600	1,3,5-Trimethylbenzene	UJ	low internal standard area (-70% of daily standard area)
SE600	1,3-Dichlorobenzene	UJ	low internal standard area (-70% of daily standard area)
SE600	1,4-Dichlorobenzene	UJ	low internal standard area (-70% of daily standard area)
SE600	2-Butanone	U	trip blank contamination (0.00592 mg/L); result between SDL and SQL
SE600	2-Chlorotoluene	UJ	low internal standard area (-70% of daily standard area)
SE600	4-Chlorotoluene	UJ	low internal standard area (-70% of daily standard area)
SE600	4-Isopropyltoluene	UJ	low internal standard area (-70% of daily standard area)
SE600	Acetone	U	equipment blank contamination (0.012 J mg/L); field blank contamination (0.00304 J mg/L); trip blank contamination (0.016 J mg/L); result between SDL and SQL
SE600	Acrolein	UJ	low ave MS/MSD recovery (53.5%)
SE600	Bromobenzene	UJ	low internal standard area (-70% of daily standard area)
SE600	Carbon disulfide	J	result between SDL and SQL
SE600	Chloroform	U	laboratory blank contamination (0.00169 J mg/kg); result between SDL and SQL
SE600	Hexachlorobutadiene	UJ	low internal standard area (-70% of daily standard area); low ave MS/MSD recovery (45.5%)
SE600	Methylene chloride	U	laboratory blank contamination (0.00188 J mg/kg); trip blank contamination (0.00407 J mg/L); result between SDL and SQL
SE600	Naphthalene	UJ	low internal standard area (-70% of daily standard area)
SE600	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 50x (Sed); calibration drift (%D= -25)
SE600	n-Butylbenzene	UJ	low internal standard area (-70% of daily standard area)
SE600	sec-Butylbenzene	UJ	low internal standard area (-70% of daily standard area)
SE600	tert-Butylbenzene	UJ	low internal standard area (-70% of daily standard area)
SE600	trans-1,4-Dichloro-2-butene	UJ	low instrument response (low RRF), elevate SDL for NDs 7x (Sed); low internal standard area (-70% of daily standard area)
SE600	Vinyl acetate	UJ	low ave MS/MSD recovery (36%)
SE600	Xylene (total)	UJ	low internal standard area (-70% of daily standard area)
SE600	2,4-Dinitrophenol	UJ	low instrument response (low RRF), elevate SDL for NDs 21x (Sed); low ave MS/MSD recovery (53%)
SE600	2,6-Dinitrotoluene	UJ	calibration drift (%D= -23)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
SE600	3,3'-Dichlorobenzidine	UJ	low ave MS/MSD recovery (55%)
SE600	4-Chloroaniline	UJ	low ave MS/MSD recovery (57.5%)
SE600	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
SE600	Benzidine	R	extremely low ave MS/MSD recovery (0%); poor calibration fit (%RSD=32)
SE600	Benzo(g,h,i)perylene	J	result between SDL and SQL
SE600	Benzoic acid	UJ	low ave MS/MSD recovery (57.5%)
SE600	Bis(2-Ethylhexyl)phthalate	J	result between SDL and SQL
SE600	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (54.5%)
SE600	Indeno(1,2,3-cd)pyrene	J	calibration drift (%D= 22); high ave MS/MSD recovery (143%); result between SDL and SQL
SE600	Pyridine	UJ	low LCS recovery (55%)
SE600	Total Organic Carbon	J	poor field precision (67 RPD)
SHELL 3	Zinc	U	equipment blank contamination (0.034 mg/L); result between SDL and SQL

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
MB for HBN 375043 [DIGM/18282]	611565	LB	SW6010B	total	S	Aluminum	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	16:25	6/10/08	11:19	laboratory blank contamination (1.47 B mg/kg)	375327
SE-060408-EB	20806052212	EQBK	SW6010B	total	W	Aluminum	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	17:40	6/10/08	15:56	equipment blank contamination (0.037 B mg/L)	375327
MB for HBN 375043 [DIGM/18282]	611565	LB	SW6010B	total	S	Barium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	16:25	6/10/08	11:19	laboratory blank contamination (0.025 B mg/kg)	375327
SE-060408-EB	20806052212	EQBK	SW6010B	total	W	Barium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	17:40	6/10/08	15:56	equipment blank contamination (0.0017 B mg/L)	375327
SE-060408-FB	20806052213	FLDBK	SW6010B	total	W	Barium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	17:40	6/10/08	16:04	field blank contamination (0.00033 B mg/L)	375327
MB for HBN 375043 [DIGM/18282]	611565	LB	SW6010B	total	S	Cadmium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	16:25	6/10/08	11:19	laboratory blank contamination (0.0064 B mg/kg)	375327
SE-060408-EB	20806052212	EQBK	SW6010B	total	W	Strontium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	17:40	6/10/08	15:56	equipment blank contamination (0.0018 B mg/L)	375327
SE-060408-FB	20806052213	FLDBK	SW6010B	total	W	Thallium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	17:40	6/10/08	16:04	field blank contamination (0.0056 B mg/L)	375327
SE-060408-EB	20806052212	EQBK	SW6010B	total	W	Titanium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	17:40	6/10/08	15:56	equipment blank contamination (0.0013 B mg/L)	375327
SE-060408-FB	20806052213	FLDBK	SW6010B	total	W	Titanium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	17:40	6/10/08	16:04	field blank contamination (0.00036 B mg/L)	375327
SE-060408-EB	20806052212	EQBK	SW6010B	total	W	Zinc	U to RRs < 5 x BlankEquivConc	TRG	6/5/08	17:40	6/10/08	15:56	equipment blank contamination (0.034 mg/L)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Aluminum	none (waived due to high parent conc)	TRG	6/5/08	16:25	6/10/08	11:46	high ave MS/MSD recovery (2445%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Antimony	none (waived due to high parent conc)	TRG	6/5/08	16:25	6/10/08	11:46	extremely low ave MS/MSD recovery (10.5%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Arsenic	J- / UJ to RRs/NDs	TRG	6/5/08	16:25	6/10/08	11:46	low ave MS/MSD recovery (50%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Barium	none (waived due to high parent conc)	TRG	6/5/08	16:25	6/10/08	11:46	high ave MS/MSD recovery (560%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Barium	J to RRs	TRG	6/5/08	16:25	6/10/08	11:46	poor MS/MSD precision (101 RPD)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Copper	none (waived due to high parent conc)	TRG	6/5/08	16:25	6/10/08	11:46	low ave MS/MSD recovery (67%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Iron	none (waived due to high parent conc)	TRG	6/5/08	16:25	6/10/08	11:46	low ave MS/MSD recovery (45%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Lead	none (waived due to high parent conc)	TRG	6/5/08	16:25	6/10/08	11:46	high ave MS/MSD recovery (338.5%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Lead	J to RRs	TRG	6/5/08	16:25	6/10/08	11:46	poor MS/MSD precision (110 RPD)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Manganese	none (waived due to high parent conc)	TRG	6/5/08	16:25	6/10/08	11:46	low ave MS/MSD recovery (66.5%)	375327

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
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Manganese	J to RRs	TRG	6/5/08	16:25	6/10/08	11:46	poor MS/MSD precision (34 RPD)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Thallium	J- / UJ to RRs/NDs	TRG	6/5/08	16:25	6/10/08	11:46	low ave MS/MSD recovery (57.5%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Zinc	none (waived due to high parent conc)	TRG	6/5/08	16:25	6/10/08	11:46	extremely low ave MS/MSD recovery (-210%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Zinc	J to RRs (sediments only)	TRG	6/5/08	16:25	6/10/08	11:46	poor MS/MSD precision (41 RPD)	375327
SE600	20806052209	SMP	SW6010B	total	S	Strontium	J to RRs	TRG	6/5/08	16:25	6/10/08	16:30	poor field precision (60 RPD)	375327
x	2080609sv16a003	**CCV1**	SW8081A			4,4'-DDT	J+ to RRs (none)	Pest			6/9/08	11:04	calibration drift column 1 (%D= 18)	
x	2080609sv16b005	**CCV2**	SW8081A			4,4'-DDT	J+ to RRs (none)	Pest			6/9/08	12:55	calibration drift column 2 (%D= 20)	
x	2080609sv16b005	CCV2	SW8081A			alpha-Chlordane	J+ to RRs (none)	Pest			6/9/08	12:55	calibration drift column 2 (%D= 18)	
x	2080609sv16b005	CCV2	SW8081A			beta-BHC	J+ to RRs (none)	Pest			6/9/08	12:55	calibration drift column 2 (%D= 17)	
x	2080609sv16b005	CCV2	SW8081A			delta-BHC	J+ to RRs (none)	Pest			6/9/08	12:55	calibration drift column 2 (%D= 17)	
x	2080609sv16b005	CCV2	SW8081A			gamma-BHC (Lindane)	J+ to RRs (none)	Pest			6/9/08	12:55	calibration drift column 2 (%D= 17)	
x	2080609sv16b005	CCV2	SW8081A			Methoxychlor	J+ to RRs (none)	Pest			6/9/08	12:55	calibration drift column 2 (%D= 19)	
x	2080609sv16b009	CCV2	SW8081A			4,4'-DDD	J+ to RRs (none)	Pest			6/9/08	15:42	calibration drift column 2 (%D= 17)	
x	2080609sv16b009	CCV2	SW8081A			alpha-Chlordane	J+ to RRs (none)	Pest			6/9/08	15:42	calibration drift column 2 (%D= 18)	
x	2080609sv16b009	CCV2	SW8081A			beta-BHC	J+ to RRs (none)	Pest			6/9/08	15:42	calibration drift column 2 (%D= 19)	
x	2080609sv16b009	CCV2	SW8081A			delta-BHC	J+ to RRs (none)	Pest			6/9/08	15:42	calibration drift column 2 (%D= 19)	
x	2080609sv16b009	CCV2	SW8081A			gamma-BHC (Lindane)	J+ to RRs (none)	Pest			6/9/08	15:42	calibration drift column 2 (%D= 18)	
x	2080609sv16b009	CCV2	SW8081A			gamma-Chlordane	J+ to RRs (none)	Pest			6/9/08	15:42	calibration drift column 2 (%D= 17)	
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	4,4'-DDE	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (50 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	4,4'-DDT	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (86 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	alpha-Chlordane	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (43 RPD)	375231

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
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	beta-BHC	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (51 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	delta-BHC	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (45 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	Endosulfan I	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (52 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	Endrin	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (51 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	Endrin ketone	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (47 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	gamma-Chlordane	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (59 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	Heptachlor epoxide	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (42 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	Methoxychlor	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (82 RPD)	375231
4WSED3 (0-0.5)	20806052205	SMP	SW8081A		S	Decachlorobiphenyl	none (surrogate diluted out)	SUR	6/5/08	15:30	6/6/08	14:15	extremely low SU recovery (0%)	375231
4WSED3 (0-0.5)	20806052205	SMP	SW8081A		S	Tetrachloro-m-xylene	none (surrogate diluted out)	SUR	6/5/08	15:30	6/6/08	14:15	extremely low SU recovery (0%)	375231
4WSED2 (0-0.5)	20806052208	SMP	SW8081A		S	Tetrachloro-m-xylene	none (only one of multiple surrogates deficient)	SUR	6/5/08	15:30	6/6/08	14:37	low SU recovery (52%)	375231
SE600	20806052209	SMP	SW8081A		S	Tetrachloro-m-xylene	none (only one of multiple surrogates deficient)	SUR	6/5/08	15:30	6/6/08	14:56	low SU recovery (52%)	375231
2WSED8 (1-2)	20806052210	SMP	SW8081A		S	Tetrachloro-m-xylene	none (only one of multiple surrogates deficient)	SUR	6/5/08	15:30	6/9/08	13:52	low SU recovery (58%)	375231
2WSED10 (1-2)	20806052211	SMP	SW8081A		S	Tetrachloro-m-xylene	none (only one of multiple surrogates deficient)	SUR	6/5/08	15:30	6/6/08	15:33	low SU recovery (59%)	375231
x	2080606sv16a004	CCV1	SW8082			AR 1260-Peak4	J- / UJ to RRs/NDs	Aro			6/6/08	12:15	calibration drift (%D= -17)	
x	2080606sv16a015	CCV1	SW8082			AR 1016-Peak1	J- / UJ to RRs/NDs	Aro			6/6/08	17:23	calibration drift (%D= -19)	
x	2080606sv16a015	CCV1	SW8082			AR 1016-Peak2	J- / UJ to RRs/NDs	Aro			6/6/08	17:23	calibration drift (%D= -17)	
x	2080606sv16a015	CCV1	SW8082			AR 1016-Peak5	J- / UJ to RRs/NDs	Aro			6/6/08	17:23	calibration drift (%D= -17)	
x	2080606sv16a015	CCV1	SW8082			AR 1260-Peak2	J- / UJ to RRs/NDs	Aro			6/6/08	17:23	calibration drift (%D= -16)	
x	2080606sv16a015	CCV1	SW8082			AR 1260-Peak4	J- / UJ to RRs/NDs	Aro			6/6/08	17:23	calibration drift (%D= -18)	
4WSED3 (0-0.5)	20806052205	SMP	SW8082		S	Decachlorobiphenyl	none (surrogate diluted out)	SUR	6/5/08	15:30	6/6/08	14:15	extremely low SU recovery (0%)	375232

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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
TRIP BLANK-1	20806052214	TRIPBK	SW8260B		W	2-Butanone	U to RRs < 5 x BlankEquivConc	TRG			6/10/08	11:41	trip blank contamination (0.000744 J mg/L)	375282
TRIP BLANK-2	20806052215	TRIPBK	SW8260B		W	2-Butanone	U to RRs < 5 x BlankEquivConc	TRG			6/10/08	12:04	trip blank contamination (0.0031 J mg/L)	375282
TRIP BLANK-3	20806052216	TRIPBK	SW8260B		W	2-Butanone	U to RRs < 5 x BlankEquivConc	TRG			6/10/08	12:27	trip blank contamination (0.00592 mg/L)	375282
TRIP BLANK-2	20806052215	TRIPBK	SW8260B		W	2-Hexanone	U to RRs < 5 x BlankEquivConc (none)	TRG			6/10/08	12:04	trip blank contamination (0.00076 J mg/L)	375282
TRIP BLANK-3	20806052216	TRIPBK	SW8260B		W	2-Hexanone	U to RRs < 5 x BlankEquivConc (none)	TRG			6/10/08	12:27	trip blank contamination (0.00141 J mg/L)	375282
SE-060408-EB	20806052212	EQBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			6/10/08	10:55	equipment blank contamination (0.012 J mg/L)	375282
SE-060408-FB	20806052213	FLDBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			6/10/08	11:18	field blank contamination (0.00304 J mg/L)	375282
TRIP BLANK-2	20806052215	TRIPBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			6/10/08	12:04	trip blank contamination (0.015 J mg/L)	375282
TRIP BLANK-1	20806052214	TRIPBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			6/10/08	11:41	trip blank contamination (0.015 J mg/L)	375282
TRIP BLANK-3	20806052216	TRIPBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			6/10/08	12:27	trip blank contamination (0.016 J mg/L)	375282
MB for HBN 375350 [MSV/13461]	613073	LB	SW8260B		S	Chloroform	U to RRs < 5 x BlankEquivConc	TRG			6/10/08	13:36	laboratory blank contamination (0.00169 J mg/kg)	375350
MB for HBN 375350 [MSV/13461]	613073	LB	SW8260B		S	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			6/10/08	13:36	laboratory blank contamination (0.00188 J mg/kg)	375350
TRIP BLANK-1	20806052214	TRIPBK	SW8260B		W	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			6/10/08	11:41	trip blank contamination (0.00407 J mg/L)	375282
TRIP BLANK-2	20806052215	TRIPBK	SW8260B		W	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			6/10/08	12:04	trip blank contamination (0.00186 J mg/L)	375282
x	x8869	CCV1	SW8260B			1,2,4-Trichlorobenzene	J+ to RRs (none)	VOC			6/10/08	9:58	calibration drift (%D= 22)	
x	x8869	CCV1	SW8260B			2,2-Dichloropropane	J+ to RRs (none)	VOC			6/10/08	9:58	calibration drift (%D= 37)	
x	x8869	CCV1	SW8260B			Bromomethane	J+ to RRs (none)	VOC			6/10/08	9:58	calibration drift (%D= 30)	
x	x8869	CCV1	SW8260B			Carbon tetrachloride	J+ to RRs (none)	VOC			6/10/08	9:58	calibration drift (%D= 36)	
x	x8869	CCV1	SW8260B			Methyl iodide	J+ to RRs (none)	VOC			6/10/08	9:58	calibration drift (%D= 40)	
x	x8800	ICAL1	SW8260B			trans-1,4-Dichloro-2-butene	J / UJ to RRs/NDs	VOC low soil			6/7/08	21:51	low instrument response (low RRF), elevate SDL for NDs 7x (Sed)	
x	x8869	CCV1	SW8260B			trans-1,4-Dichloro-2-butene	J+ to RRs (none)	VOC			6/10/08	9:58	calibration drift (%D= 29)	

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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	h4664	ICAL2	SW8260B			n-Butyl alcohol	J / UJ to RRs/NDs	App9 water/ext			6/8/08	12:49	low instrument response (low RRF), elevate SDL for NDs 50x (Sed)	
x	h4724s	CCV2	SW8260B			n-Butyl alcohol	J- / UJ to RRs/NDs	App9			6/10/08	7:43	calibration drift (%D= -25)	
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	1,1,2,2-Tetrachloroethane	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (42 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	1,2,4-Trichlorobenzene	J- / UJ to RRs/NDs	TRG			6/10/08	15:50	low ave MS/MSD recovery (57%)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	1,2,4-Trimethylbenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (47 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	1,2-Dichlorobenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (42 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	1,3,5-Trimethylbenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (47 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	1,3-Dichlorobenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (45 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	1,4-Dichlorobenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (48 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	2-Chlorotoluene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (51 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	4-Chlorotoluene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (49 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	4-Isopropyltoluene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (41 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	Acrolein	J- / UJ to RRs/NDs	TRG			6/10/08	15:50	low ave MS/MSD recovery (53.5%)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	Bromobenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (49 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	Hexachlorobutadiene	J- / UJ to RRs/NDs	TRG			6/10/08	15:50	low ave MS/MSD recovery (45.5%)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	n-Propylbenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (49 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	sec-Butylbenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (42 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	tert-Butylbenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (46 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	Tetrachloroethene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (42 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	Vinyl acetate	J- / UJ to RRs/NDs	TRG			6/10/08	15:50	low ave MS/MSD recovery (36%)	375350
SE600	20806052209	SMP	SW8260B		S	IS2 (1,4-Dichlorobenzene-d4)	J / UJ to RRs/NDs quantitated with IS2	TRG			6/10/08	15:02	low internal standard area (-70% of daily standard area)	375350

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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
SE-060408-EB	20806052212	EQBK	SW8270C		W	Caprolactam	U to RRs < 5 x BlankEquivConc (none)	TRG	6/7/08	12:00	6/9/08	13:46	equipment blank contamination (0.013 mg/L)	375227
x	d6198	ICAL1	SW8270C			2,4-Dinitrophenol	J / UJ to RRs/NDs	SVOC			6/2/08	8:24	low instrument response (low RRF), elevate SDL for NDs 21x (Sed)	
x	d6198	ICAL1	SW8270C			Benzaldehyde	J / UJ to RRs/NDs	SVOC			6/2/08	8:24	poor calibration fit (%RSD=66)	
x	d6198	ICAL1	SW8270C			Benzidine	J / UJ to RRs/NDs	SVOC			6/2/08	8:24	poor calibration fit (%RSD=32)	
x	d6368	CCV1	SW8270C			2,6-Dinitrotoluene	J- / UJ to RRs/NDs	SVOC			6/7/08	9:43	calibration drift (%D= -23)	
x	d6368	CCV1	SW8270C			Benzaldehyde	J+ to RRs (none)	SVOC			6/7/08	9:43	calibration drift (%D= 40)	
x	d6368	CCV1	SW8270C			Benzidine	J+ to RRs (none)	SVOC			6/7/08	9:43	calibration drift (%D= 43)	
x	d6368	CCV1	SW8270C			Benzo(b)fluoranthene	J+ to RRs (none)	SVOC			6/7/08	9:43	calibration drift (%D= 22)	
x	d6368	CCV1	SW8270C			Benzoic acid	J+ to RRs (none)	SVOC			6/7/08	9:43	calibration drift (%D= 42)	
x	d6368	CCV1	SW8270C			Caprolactam	J+ to RRs (none)	SVOC			6/7/08	9:43	calibration drift (%D= 22)	
x	d6368	CCV1	SW8270C			Indeno(1,2,3-cd)pyrene	J+ to RRs	SVOC			6/7/08	9:43	calibration drift (%D= 22)	
x	d6368	CCV1	SW8270C			N-Nitrosodimethylamine	J+ to RRs (none)	SVOC			6/7/08	9:43	calibration drift (%D= 74)	
x	d6368	CCV1	SW8270C			N-Nitroso-di-n-propylamine	J+ to RRs (none)	SVOC			6/7/08	9:43	calibration drift (%D= 22)	
x	d6368	CCV1	SW8270C			Pyridine	J+ to RRs (none)	SVOC			6/7/08	9:43	calibration drift (%D= 38)	
x	d6416	CCV1	SW8270C			2,6-Dinitrotoluene	J- / UJ to RRs/NDs	SVOC			6/9/08	8:36	calibration drift (%D= -21)	
x	d6416	CCV1	SW8270C			3,3'-Dichlorobenzidine	J+ to RRs (none)	SVOC			6/9/08	8:36	calibration drift (%D= 21)	
x	d6416	CCV1	SW8270C			4-Nitrophenol	J+ to RRs (none)	SVOC			6/9/08	8:36	calibration drift (%D= 22)	
x	d6416	CCV1	SW8270C			Benzaldehyde	J+ to RRs (none)	SVOC			6/9/08	8:36	calibration drift (%D= 43)	
x	d6416	CCV1	SW8270C			Benzidine	J+ to RRs (none)	SVOC			6/9/08	8:36	calibration drift (%D= 129)	
x	d6416	CCV1	SW8270C			Caprolactam	J+ to RRs (none)	SVOC			6/9/08	8:36	calibration drift (%D= 26)	
x	d6416	CCV1	SW8270C			Indeno(1,2,3-cd)pyrene	J+ to RRs	SVOC			6/9/08	8:36	calibration drift (%D= 32)	

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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	d6416	CCV1	SW8270C			N-Nitrosodimethylamine	J+ to RRs (none)	SVOC			6/9/08	8:36	calibration drift (%D= 135)	
LCS for HBN 375004 [EXTO/20414	611350	LCS	SW8270C		S	Aniline	J+ to RRs (none)	TRG	6/6/08	15:00	6/7/08	14:00	high LCS recovery (372%)	375151
LCS for HBN 375004 [EXTO/20414	611350	LCS	SW8270C		S	Atrazine (Aatrex)	J+ to RRs (none)	TRG	6/6/08	15:00	6/7/08	14:00	high LCS recovery (204%)	375151
LCS for HBN 375004 [EXTO/20414	611350	LCS	SW8270C		S	Benzidine	J+ to RRs (none)	TRG	6/6/08	15:00	6/7/08	14:00	high LCS recovery (351%)	375151
LCS for HBN 375004 [EXTO/20414	611350	LCS	SW8270C		S	Pyridine	J- / UJ to RRs/NDs	TRG	6/6/08	15:00	6/7/08	14:00	low LCS recovery (55%)	375151
LCSD for HBN 375218 [EXTO/2044	612546	LCSD	SW8270C		S	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	14:48	low ave LCS/LCSD recovery (54.5%)	375227
LCSD for HBN 375218 [EXTO/2044	612546	LCSD	SW8270C		S	Aniline	J+ to RRs (none)	TRG	6/9/08	8:00	6/9/08	14:48	high ave LCS/LCSD recovery (183%)	375227
LCSD for HBN 375218 [EXTO/2044	612546	LCSD	SW8270C		S	Atrazine (Aatrex)	J+ to RRs (none)	TRG	6/9/08	8:00	6/9/08	14:48	high ave LCS/LCSD recovery (180.5%)	375227
LCSD for HBN 375218 [EXTO/2044	612546	LCSD	SW8270C		S	Benzaldehyde	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	14:48	low ave LCS/LCSD recovery (44%)	375227
LCSD for HBN 375218 [EXTO/2044	612546	LCSD	SW8270C		S	Benzaldehyde	J to RRs (none)	TRG	6/9/08	8:00	6/9/08	14:48	poor LCS/LCSD precision (53 RPD)	375227
LCSD for HBN 375218 [EXTO/2044	612546	LCSD	SW8270C		S	Benzidine	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	14:48	low ave LCS/LCSD recovery (34.5%)	375227
LCSD for HBN 375218 [EXTO/2044	612546	LCSD	SW8270C		S	Benzidine	J to RRs (none)	TRG	6/9/08	8:00	6/9/08	14:48	poor LCS/LCSD precision (78 RPD)	375227
LCSD for HBN 375218 [EXTO/2044	612546	LCSD	SW8270C		S	Pyridine	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	14:48	low ave LCS/LCSD recovery (53.5%)	375227
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	15:18	low ave MS/MSD recovery (53%)	375227
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	3,3'-Dichlorobenzidine	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	15:18	low ave MS/MSD recovery (55%)	375227
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	4-Chloroaniline	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	15:18	low ave MS/MSD recovery (57.5%)	375227
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	Atrazine (Aatrex)	J+ to RRs (none)	TRG	6/9/08	8:00	6/9/08	15:18	high ave MS/MSD recovery (180.5%)	375227
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	Benzaldehyde	J to RRs (none)	TRG	6/9/08	8:00	6/9/08	15:18	poor MS/MSD precision (52 RPD)	375227
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	Benzidine	J-/ R to RRs/ NDs	TRG	6/9/08	8:00	6/9/08	15:18	extremely low ave MS/MSD recovery (0%)	375227

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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
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	Benzoic acid	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	15:18	low ave MS/MSD recovery (57.5%)	375227
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	Hexachlorocyclopentadiene	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	15:18	low ave MS/MSD recovery (54.5%)	375227
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	Indeno(1,2,3-cd)pyrene	J+ to RRs	TRG	6/9/08	8:00	6/9/08	15:18	high ave MS/MSD recovery (143%)	375227
2WSED10 (1-2)	20806052211	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates deficient)	SUR	6/6/08	15:00	6/7/08	18:20	low acid SU recovery (56%)	375151
SE-060408-EB	20806052212	EQBK	SW9060		W	Total Organic Carbon	U to RRs < 5 x BlankEquivConc (none)	TRG			6/9/08	1:45	equipment blank contamination (4.4 mg/L)	375152
SE600	20806052209	SMP	SW9060		S	Total Organic Carbon	J to RRs	TRG			6/11/08	16:47	poor field precision (67 RPD)	375512

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.: 208060522 & 208071047			
Reviewer: Taryn Scholz and Don Flory (QAA, L.L.C.)	Date Checked: 6/14/08, 6/28/08, 7/25/08			
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			
16. Internal standard areas within project control limits?		x		see Attachment 1
Laboratory EDD				
17. Field sample IDs included?	x			17.
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			

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

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. Dichlorodifluoromethane is not reported for the equipment blank (SE-060408-EB) and one trip blank (TRIP BLANK-1) or for the QC (LCS, LCSD, and method blank) associated with the aqueous blanks. Results (all non-detects) are reported for the environmental samples plus the field blank and two trip blanks. The validator did not request corrections from the lab since results for the environmental samples are not affected.

Reanalyses for four metals (Sb, B, Se, Sn) were requested for the field samples (2WSED8 (1-2), 2WSED10 (1-2), 4WSED2 (0-0.5), and 4WSED3 (0-0.5)) and the field MS/MSD after PBW noted significant discrepancies for these analytes compared to all previous sediment samples from the site (Antimony and Boron previously 3-10x lower; Selenium and Tin previously not detected). For each sample, two separate aliquots from the original container were analyzed in separate batches and results are reported using the sample ID plus a suffix of 'A' and 'B' in set 208071047. Thus, three results are reported for these samples/analytes. QC is similar for all three batches. (The MS/MSD %R for Antimony was extremely low (<30%) with good PDS recovery for all three batches, but the original analyses were not flagged because the check was waived due to a high conc in the parent sample.) Results are significantly different for the original versus the re-analyses (RPD = 32 to 196), while the two re-analyses compare well (RPD = 0 to 32).

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

VOC – For batch 375350, Chloroform and Methylene chloride at estimated conc in method blank; For batch 375282 (aq blanks), Chloroform and Naphthalene at estimated conc in method blank

PEST – Confirmation RPD > 40% for gamma-Chlordane in 2WSED8 (1-2), higher result reported -> Revised report submitted 6/28/08 with this detect removed. Upon examination, the laboratory determined that this detect was a false positive (based on a retention time shift on the second column and the large RPD between columns)

11. All VOC soil samples analyzed at a 50 (methanol extract) dilution for 2-Chloroethylvinyl ether and n-Butyl alcohol due to calibration problems for low-level solid analysis. Sample 4WSED3 (0-0.5) and its MS/MSD diluted to eliminate interference from non-target background. SUs diluted out. SHELL samples diluted due to physical/chemical interference (all detects).

17. Sample 2WSED8 (1-2) is reported as SWSED8 (1-2). The validator corrected the ID in the EDD. Corrections from the lab for EDD/Hardcopy were not requested to save time for these quick turnaround samples.

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

Actual MQLs are above the target MQLs for the following:

	Target MQL (mg/kg)	Actual MQL (mg/kg)
Benzidine	1.32	1.65

25. The VOC soil samples were analyzed as high level soils (50x dilution) for 2-Chloroethylvinyl ether and n-Butyl alcohol. Sample 4WSED3 (0-0.5) diluted 10x for Pest/PCB.

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 lab are included as per QAPP. This is every TA except n-Butyl alcohol, Toxaphene, and the 5 middle Aroclors.

SET SUMMARY
Laboratory Job No.: 208060522 and 208071047

9	Number of Field Samples ii including Field Duplicates (1)
1	Number of Field MS/MSD Pairs
1	Number of Equipment Rinsate Blanks
1	Number of Field Blanks
3	Number of VOC Trip Blanks
6	Number of Parameters (VOC, SVOC, Pesticides, Aroclors, Metals, TOC)
NA	Number of Target Analytes per Sample (Zinc only for 4 samples, 4 Metals for 8 re-analyses, 199 TAs for rest)
1031999	Total Measurements for Field Samples
8181	Number of measurements with no validation qualifier (i.e., "none" in EDD)
940	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)
15	Number of measurements with UJ flag and an elevated SDL (for 2,4-Dinitrophenol , n-Butyl alcohol, and trans-1,4-Dichloro-2-butene) due to poor instrument response, i.e., low RRF)
40	Number of measurements with J- flag (for Antimony Boron due to extremely low matrix spike recovery)
4132	Number of measurements with J flag (due solely to result being between the SDL and SQL)
91	Number of measurements with J flag (due to result being between the SDL and SQL plus calibration drift for one Indeno(1,2,3-cd)pyrene result or low matrix spike recovery for eight Antimony results)
31	Number of measurements with J flag (for Barium, Lead, Manganese, Strontium, Zinc, and TOC due to poor MS/MSD or field duplicate precision)
1	Number of measurements with J+ flag (for Indeno(1,2,3-cd)pyrene due to calibration drift and high MS/MSD recovery)
13	Number of measurements with U flag (due to blank contamination; analytes affected include 2-Butanone, Acetone, Chloroform, Methylene chloride, and Zinc)
0	Number of measurements with NS flag
5	Number of measurements with R flag (for the five non-detects for Benzidine due to 0% matrix spike recovery)
100%	Completeness-to-date on a sample level (percentage of Phase 1, 2, 3, and 4 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 90%)
91%	Completeness-to-date on an analyte level (percentage of Phase 1, 2, 3, and 4 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, 3, and 4 sediment samples, including all ICWW, pond, and wetlands sediments, with usable data, project goal 80%) – Antimony
83%	Completeness-to-date on an analyte level (percentage of Phase 1, 2, 3, and 4 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, 3, and 4 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, 3, and 4 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, 3, and 4 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 except the five results for Benzidine (all non-detects). Data for 2,4-Dinitrophenol , n-Butyl alcohol, 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. Three results are reported for Antimony, Boron, Selenium, and Tin in samples 2WSED8 (1-2), 2WSED10 (1-2), 4WSED2 (0-0.5), and 4WSED3 (0-0.5).

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED10 (1-2)	Arsenic	UJ	low ave MS/MSD recovery (50%)
2WSED10 (1-2)	Barium	J	poor MS/MSD precision (101 RPD)
2WSED10 (1-2)	Lead	J	poor MS/MSD precision (110 RPD)
2WSED10 (1-2)	Manganese	J	poor MS/MSD precision (34 RPD)
2WSED10 (1-2)	Molybdenum	J	result between SDL and SQL
2WSED10 (1-2)	Strontium	J	poor field precision (60 RPD)
2WSED10 (1-2)	Thallium	UJ	low ave MS/MSD recovery (57.5%)
2WSED10 (1-2)	Zinc	J	poor MS/MSD precision (41 RPD)
2WSED10 (1-2) A	Antimony	J	extremely low ave MS/MSD recovery (21%), good PDS recovery (85%); result between SDL and SQL
2WSED10 (1-2) A	Boron	J-	low ave MS/MSD recovery (68%)
2WSED10 (1-2) A	Tin	J	result between SDL and SQL
2WSED10 (1-2) B	Antimony	J	extremely low ave MS/MSD recovery (19%), good PDS recovery (88%); result between SDL and SQL
2WSED10 (1-2) B	Boron	J-	low ave MS/MSD recovery (63%)
2WSED10 (1-2) B	Selenium	J	result between SDL and SQL
2WSED10 (1-2) B	Tin	J	result between SDL and SQL
2WSED10 (1-2)	Mercury	J	result between SDL and SQL
2WSED10 (1-2)	Aroclor-1016	UJ	calibration drift (%D= -19)
2WSED10 (1-2)	Aroclor-1260	UJ	calibration drift (%D= -17); calibration drift (%D= -18)
2WSED10 (1-2)	1,2,4-Trichlorobenzene	UJ	low ave MS/MSD recovery (57%)
2WSED10 (1-2)	1,2-Dichloroethane	J	result between SDL and SQL
2WSED10 (1-2)	Acrolein	UJ	low ave MS/MSD recovery (53.5%)
2WSED10 (1-2)	Chloroform	U	laboratory blank contamination (0.00169 J mg/kg); result between SDL and SQL
2WSED10 (1-2)	Hexachlorobutadiene	UJ	low ave MS/MSD recovery (45.5%)
2WSED10 (1-2)	Methylene chloride	U	laboratory blank contamination (0.00188 J mg/kg); trip blank contamination (0.00407 J mg/L); result between SDL and SQL
2WSED10 (1-2)	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 50x (Sed); calibration drift (%D= -25)
2WSED10 (1-2)	Toluene	J	result between SDL and SQL
2WSED10 (1-2)	trans-1,4-Dichloro-2-butene	UJ	low instrument response (low RRF), elevate SDL for NDs 7x (Sed)
2WSED10 (1-2)	Vinyl acetate	UJ	low ave MS/MSD recovery (36%)
2WSED10 (1-2)	2,4-Dinitrophenol	UJ	low instrument response (low RRF), elevate SDL for NDs 21x (Sed); low ave MS/MSD recovery (53%)
2WSED10 (1-2)	2,6-Dinitrotoluene	UJ	calibration drift (%D= -23)
2WSED10 (1-2)	3,3'-Dichlorobenzidine	UJ	low ave MS/MSD recovery (55%)
2WSED10 (1-2)	4-Chloroaniline	UJ	low ave MS/MSD recovery (57.5%)
2WSED10 (1-2)	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
2WSED10 (1-2)	Benzidine	R	extremely low ave MS/MSD recovery (0%); poor calibration fit (%RSD=32)
2WSED10 (1-2)	Benzoic acid	UJ	low ave MS/MSD recovery (57.5%)
2WSED10 (1-2)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (54.5%)
2WSED10 (1-2)	Pyridine	UJ	low LCS recovery (55%)
2WSED10 (1-2)	Total Organic Carbon	J	poor field precision (67 RPD)
2WSED8 (1-2)	Arsenic	UJ	low ave MS/MSD recovery (50%)
2WSED8 (1-2)	Barium	J	poor MS/MSD precision (101 RPD)
2WSED8 (1-2)	Lead	J	poor MS/MSD precision (110 RPD)
2WSED8 (1-2)	Manganese	J	poor MS/MSD precision (34 RPD)
2WSED8 (1-2)	Molybdenum	J	result between SDL and SQL
2WSED8 (1-2)	Strontium	J	poor field precision (60 RPD)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED8 (1-2)	Thallium	UJ	low ave MS/MSD recovery (57.5%)
2WSED8 (1-2)	Tin	J	result between SDL and SQL
2WSED8 (1-2)	Zinc	J	poor MS/MSD precision (41 RPD)
2WSED8 (1-2) A	Antimony	J	extremely low ave MS/MSD recovery (21%), good PDS recovery (85%); result between SDL and SQL
2WSED8 (1-2) A	Boron	UJ	low ave MS/MSD recovery (68%)
2WSED8 (1-2) A	Tin	J	result between SDL and SQL
2WSED8 (1-2) B	Antimony	J	extremely low ave MS/MSD recovery (19%), good PDS recovery (88%); result between SDL and SQL
2WSED8 (1-2) B	Boron	UJ	low ave MS/MSD recovery (63%)
2WSED8 (1-2) B	Tin	J	result between SDL and SQL
2WSED8 (1-2)	Mercury	J	result between SDL and SQL
2WSED8 (1-2)	1,2,4-Trichlorobenzene	UJ	low ave MS/MSD recovery (57%)
2WSED8 (1-2)	1,2-Dichloroethane	J	result between SDL and SQL
2WSED8 (1-2)	Acrolein	UJ	low ave MS/MSD recovery (53.5%)
2WSED8 (1-2)	Chloroform	U	laboratory blank contamination (0.00169 J mg/kg); result between SDL and SQL
2WSED8 (1-2)	Hexachlorobutadiene	UJ	low ave MS/MSD recovery (45.5%)
2WSED8 (1-2)	Methylene chloride	U	laboratory blank contamination (0.00188 J mg/kg); trip blank contamination (0.00407 J mg/L); result between SDL and SQL
2WSED8 (1-2)	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 50x (Sed); calibration drift (%D= -25)
2WSED8 (1-2)	Toluene	J	result between SDL and SQL
2WSED8 (1-2)	trans-1,4-Dichloro-2-butene	UJ	low instrument response (low RRF), elevate SDL for NDs 7x (Sed)
2WSED8 (1-2)	Vinyl acetate	UJ	low ave MS/MSD recovery (36%)
2WSED8 (1-2)	2,4-Dinitrophenol	UJ	low instrument response (low RRF), elevate SDL for NDs 21x (Sed); low ave MS/MSD recovery (53%)
2WSED8 (1-2)	2,6-Dinitrotoluene	UJ	calibration drift (%D= -23)
2WSED8 (1-2)	3,3'-Dichlorobenzidine	UJ	low ave MS/MSD recovery (55%)
2WSED8 (1-2)	4-Chloroaniline	UJ	low ave MS/MSD recovery (57.5%)
2WSED8 (1-2)	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
2WSED8 (1-2)	Benzidine	R	extremely low ave MS/MSD recovery (0%); poor calibration fit (%RSD=32)
2WSED8 (1-2)	Benzoic acid	UJ	low ave MS/MSD recovery (57.5%)
2WSED8 (1-2)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (54.5%)
2WSED8 (1-2)	Pyridine	UJ	low LCS recovery (55%)
2WSED8 (1-2)	Total Organic Carbon	J	poor field precision (67 RPD)
4WSED1 (0-0.5)	Zinc	J	poor MS/MSD precision (41 RPD)
4WSED2 (0-0.5)	Arsenic	UJ	low ave MS/MSD recovery (50%)
4WSED2 (0-0.5)	Barium	J	poor MS/MSD precision (101 RPD)
4WSED2 (0-0.5)	Lead	J	poor MS/MSD precision (110 RPD)
4WSED2 (0-0.5)	Manganese	J	poor MS/MSD precision (34 RPD)
4WSED2 (0-0.5)	Molybdenum	J	result between SDL and SQL
4WSED2 (0-0.5)	Strontium	J	poor field precision (60 RPD)
4WSED2 (0-0.5)	Thallium	UJ	low ave MS/MSD recovery (57.5%)
4WSED2 (0-0.5)	Tin	J	result between SDL and SQL
4WSED2 (0-0.5)	Zinc	J	poor MS/MSD precision (41 RPD)
4WSED2 (0-0.5)A	Antimony	J	extremely low ave MS/MSD recovery (21%), good PDS recovery (85%); result between SDL and SQL
4WSED2 (0-0.5)A	Boron	J	low ave MS/MSD recovery (68%)
4WSED2 (0-0.5)A	Tin	J	result between SDL and SQL
4WSED2 (0-0.5)B	Antimony	J	extremely low ave MS/MSD recovery (19%), good PDS recovery (88%); result between SDL and SQL

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QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
4WSED2 (0-0.5)B	Boron	J-	low ave MS/MSD recovery (63%)
4WSED2 (0-0.5)B	Tin	J	result between SDL and SQL
4WSED2 (0-0.5)	Aroclor-1016	UJ	calibration drift (%D= -19)
4WSED2 (0-0.5)	Aroclor-1260	UJ	calibration drift (%D= -17); calibration drift (%D= -18)
4WSED2 (0-0.5)	1,2,4-Trichlorobenzene	UJ	low ave MS/MSD recovery (57%)
4WSED2 (0-0.5)	Acrolein	UJ	low ave MS/MSD recovery (53.5%)
4WSED2 (0-0.5)	Chloroform	U	laboratory blank contamination (0.00169 J mg/kg); result between SDL and SQL
4WSED2 (0-0.5)	Hexachlorobutadiene	UJ	low ave MS/MSD recovery (45.5%)
4WSED2 (0-0.5)	Methylene chloride	U	laboratory blank contamination (0.00188 J mg/kg); trip blank contamination (0.00407 J mg/L); result between SDL and SQL
4WSED2 (0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 50x (Sed); calibration drift (%D= -25)
4WSED2 (0-0.5)	trans-1,4-Dichloro-2-butene	UJ	low instrument response (low RRF), elevate SDL for NDs 7x (Sed)
4WSED2 (0-0.5)	Vinyl acetate	UJ	low ave MS/MSD recovery (36%)
4WSED2 (0-0.5)	2,4-Dinitrophenol	UJ	low instrument response (low RRF), elevate SDL for NDs 21x (Sed); low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (53%)
4WSED2 (0-0.5)	2,6-Dinitrotoluene	UJ	calibration drift (%D= -21)
4WSED2 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave MS/MSD recovery (55%)
4WSED2 (0-0.5)	4-Chloroaniline	UJ	low ave MS/MSD recovery (57.5%)
4WSED2 (0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66); low ave LCS/LCSD recovery (44%)
4WSED2 (0-0.5)	Benzidine	R	extremely low ave MS/MSD recovery (0%); poor calibration fit (%RSD=32); low ave LCS/LCSD recovery (34.5%)
4WSED2 (0-0.5)	Benzo(g,h,i)perylene	J	result between SDL and SQL
4WSED2 (0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (57.5%)
4WSED2 (0-0.5)	Fluoranthene	J	result between SDL and SQL
4WSED2 (0-0.5)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (54.5%)
4WSED2 (0-0.5)	Pyrene	J	result between SDL and SQL
4WSED2 (0-0.5)	Pyridine	UJ	low ave LCS/LCSD recovery (53.5%)
4WSED2 (0-0.5)	Total Organic Carbon	J	poor field precision (67 RPD)
4WSED3 (0-0.5)	Arsenic	UJ	low ave MS/MSD recovery (50%)
4WSED3 (0-0.5)	Barium	J	poor MS/MSD precision (101 RPD)
4WSED3 (0-0.5)	Lead	J	poor MS/MSD precision (110 RPD)
4WSED3 (0-0.5)	Manganese	J	poor MS/MSD precision (34 RPD)
4WSED3 (0-0.5)	Molybdenum	J	result between SDL and SQL
4WSED3 (0-0.5)	Strontium	J	poor field precision (60 RPD)
4WSED3 (0-0.5)	Thallium	UJ	low ave MS/MSD recovery (57.5%)
4WSED3 (0-0.5)	Zinc	J	poor MS/MSD precision (41 RPD)
4WSED3 (0-0.5)A	Antimony	J	extremely low ave MS/MSD recovery (21%), good PDS recovery (85%); result between SDL and SQL
4WSED3 (0-0.5)A	Boron	UJ	low ave MS/MSD recovery (68%)
4WSED3 (0-0.5)A	Tin	J	result between SDL and SQL
4WSED3 (0-0.5)B	Antimony	J	extremely low ave MS/MSD recovery (19%), good PDS recovery (88%); result between SDL and SQL
4WSED3 (0-0.5)B	Boron	UJ	low ave MS/MSD recovery (63%)
4WSED3 (0-0.5)B	Tin	J	result between SDL and SQL
4WSED3 (0-0.5)	Aroclor-1016	UJ	calibration drift (%D= -19)
4WSED3 (0-0.5)	Aroclor-1260	UJ	calibration drift (%D= -17); calibration drift (%D= -18)
4WSED3 (0-0.5)	1,2,4-Trichlorobenzene	UJ	low ave MS/MSD recovery (57%)
4WSED3 (0-0.5)	1,2-Dichloroethane	J	result between SDL and SQL
4WSED3 (0-0.5)	Acrolein	UJ	low ave MS/MSD recovery (53.5%)

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QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
4WSED3 (0-0.5)	Chloroform	U	laboratory blank contamination (0.00169 J mg/kg); result between SDL and SQL
4WSED3 (0-0.5)	Hexachlorobutadiene	UJ	low ave MS/MSD recovery (45.5%)
4WSED3 (0-0.5)	Methylene chloride	U	laboratory blank contamination (0.00188 J mg/kg); trip blank contamination (0.00407 J mg/L); result between SDL and SQL
4WSED3 (0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 50x (Sed); calibration drift (%D= -25)
4WSED3 (0-0.5)	Toluene	J	result between SDL and SQL
4WSED3 (0-0.5)	trans-1,4-Dichloro-2-butene	UJ	low instrument response (low RRF), elevate SDL for NDs 7x (Sed)
4WSED3 (0-0.5)	Vinyl acetate	UJ	low ave MS/MSD recovery (36%)
4WSED3 (0-0.5)	2,4-Dinitrophenol	UJ	low instrument response (low RRF), elevate SDL for NDs 21x (Sed); low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (53%)
4WSED3 (0-0.5)	2,6-Dinitrotoluene	UJ	calibration drift (%D= -21)
4WSED3 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave MS/MSD recovery (55%)
4WSED3 (0-0.5)	4-Chloroaniline	UJ	low ave MS/MSD recovery (57.5%)
4WSED3 (0-0.5)	Acenaphthene	J	result between SDL and SQL
4WSED3 (0-0.5)	Anthracene	J	result between SDL and SQL
4WSED3 (0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66); low ave LCS/LCSD recovery (44%)
4WSED3 (0-0.5)	Benzidine	R	extremely low ave MS/MSD recovery (0%); poor calibration fit (%RSD=32); low ave LCS/LCSD recovery (34.5%)
4WSED3 (0-0.5)	Benzo(b)fluoranthene	J	result between SDL and SQL
4WSED3 (0-0.5)	Benzo(g,h,i)perylene	J	result between SDL and SQL
4WSED3 (0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (57.5%)
4WSED3 (0-0.5)	Carbazole	J	result between SDL and SQL
4WSED3 (0-0.5)	Chrysene	J	result between SDL and SQL
4WSED3 (0-0.5)	Dibenzofuran	J	result between SDL and SQL
4WSED3 (0-0.5)	Fluoranthene	J	result between SDL and SQL
4WSED3 (0-0.5)	Fluorene	J	result between SDL and SQL
4WSED3 (0-0.5)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (54.5%)
4WSED3 (0-0.5)	Indeno(1,2,3-cd)pyrene	J+	calibration drift (%D= +32); high ave MS/MSD recovery (143%)
4WSED3 (0-0.5)	Pyrene	J	result between SDL and SQL
4WSED3 (0-0.5)	Pyridine	UJ	low ave LCS/LCSD recovery (53.5%)
4WSED3 (0-0.5)	Total Organic Carbon	J	poor field precision (67 RPD)
SE600	Arsenic	UJ	low ave MS/MSD recovery (50%)
SE600	Barium	J	poor MS/MSD precision (101 RPD)
SE600	Lead	J	poor MS/MSD precision (110 RPD)
SE600	Manganese	J	poor MS/MSD precision (34 RPD)
SE600	Molybdenum	J	result between SDL and SQL
SE600	Strontium	J	poor field precision (60 RPD)
SE600	Thallium	UJ	low ave MS/MSD recovery (57.5%)
SE600	Tin	J	result between SDL and SQL
SE600	Zinc	J	poor MS/MSD precision (41 RPD)
SE600	Aroclor-1016	UJ	calibration drift (%D= -19)
SE600	Aroclor-1260	UJ	calibration drift (%D= -17); calibration drift (%D= -18)
SE600	1,1,2,2-Tetrachloroethane	UJ	low internal standard area (-70% of daily standard area)
SE600	1,2,3-Trichloropropane	UJ	low internal standard area (-70% of daily standard area)
SE600	1,2,4-Trichlorobenzene	UJ	low internal standard area (-70% of daily standard area); low ave MS/MSD recovery (57%)
SE600	1,2,4-Trimethylbenzene	UJ	low internal standard area (-70% of daily standard area)
SE600	1,2-Dibromo-3-chloropropane	UJ	low internal standard area (-70% of daily standard area)
SE600	1,2-Dichlorobenzene	UJ	low internal standard area (-70% of daily standard area)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
SE600	1,3,5-Trimethylbenzene	UJ	low internal standard area (-70% of daily standard area)
SE600	1,3-Dichlorobenzene	UJ	low internal standard area (-70% of daily standard area)
SE600	1,4-Dichlorobenzene	UJ	low internal standard area (-70% of daily standard area)
SE600	2-Butanone	U	trip blank contamination (0.00592 mg/L); result between SDL and SQL
SE600	2-Chlorotoluene	UJ	low internal standard area (-70% of daily standard area)
SE600	4-Chlorotoluene	UJ	low internal standard area (-70% of daily standard area)
SE600	4-Isopropyltoluene	UJ	low internal standard area (-70% of daily standard area)
SE600	Acetone	U	equipment blank contamination (0.012 J mg/L); field blank contamination (0.00304 J mg/L); trip blank contamination (0.016 J mg/L); result between SDL and SQL
SE600	Acrolein	UJ	low ave MS/MSD recovery (53.5%)
SE600	Bromobenzene	UJ	low internal standard area (-70% of daily standard area)
SE600	Carbon disulfide	J	result between SDL and SQL
SE600	Chloroform	U	laboratory blank contamination (0.00169 J mg/kg); result between SDL and SQL
SE600	Hexachlorobutadiene	UJ	low internal standard area (-70% of daily standard area); low ave MS/MSD recovery (45.5%)
SE600	Methylene chloride	U	laboratory blank contamination (0.00188 J mg/kg); trip blank contamination (0.00407 J mg/L); result between SDL and SQL
SE600	Naphthalene	UJ	low internal standard area (-70% of daily standard area)
SE600	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 50x (Sed); calibration drift (%D= -25)
SE600	n-Butylbenzene	UJ	low internal standard area (-70% of daily standard area)
SE600	sec-Butylbenzene	UJ	low internal standard area (-70% of daily standard area)
SE600	tert-Butylbenzene	UJ	low internal standard area (-70% of daily standard area)
SE600	trans-1,4-Dichloro-2-butene	UJ	low instrument response (low RRF), elevate SDL for NDs 7x (Sed); low internal standard area (-70% of daily standard area)
SE600	Vinyl acetate	UJ	low ave MS/MSD recovery (36%)
SE600	Xylene (total)	UJ	low internal standard area (-70% of daily standard area)
SE600	2,4-Dinitrophenol	UJ	low instrument response (low RRF), elevate SDL for NDs 21x (Sed); low ave MS/MSD recovery (53%)
SE600	2,6-Dinitrotoluene	UJ	calibration drift (%D= -23)
SE600	3,3'-Dichlorobenzidine	UJ	low ave MS/MSD recovery (55%)
SE600	4-Chloroaniline	UJ	low ave MS/MSD recovery (57.5%)
SE600	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
SE600	Benzidine	R	extremely low ave MS/MSD recovery (0%); poor calibration fit (%RSD=32)
SE600	Benzo(g,h,i)perylene	J	result between SDL and SQL
SE600	Benzoic acid	UJ	low ave MS/MSD recovery (57.5%)
SE600	Bis(2-Ethylhexyl)phthalate	J	result between SDL and SQL
SE600	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (54.5%)
SE600	Indeno(1,2,3-cd)pyrene	J	calibration drift (%D= 22); high ave MS/MSD recovery (143%); result between SDL and SQL
SE600	Pyridine	UJ	low LCS recovery (55%)
SE600	Total Organic Carbon	J	poor field precision (67 RPD)
SHELL 3	Zinc	U	equipment blank contamination (0.034 mg/L); result between SDL and SQL

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
MB for HBN 375043 [DIGM/18282]	611565	LB	SW6010B	total	S	Aluminum	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	16:25	6/10/08	11:19	laboratory blank contamination (1.47 B mg/kg)	375327
SE-060408-EB	20806052212	EQBK	SW6010B	total	W	Aluminum	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	17:40	6/10/08	15:56	equipment blank contamination (0.037 B mg/L)	375327
MB for HBN 375043 [DIGM/18282]	611565	LB	SW6010B	total	S	Barium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	16:25	6/10/08	11:19	laboratory blank contamination (0.025 B mg/kg)	375327
SE-060408-EB	20806052212	EQBK	SW6010B	total	W	Barium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	17:40	6/10/08	15:56	equipment blank contamination (0.0017 B mg/L)	375327
SE-060408-FB	20806052213	FLDBK	SW6010B	total	W	Barium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	17:40	6/10/08	16:04	field blank contamination (0.00033 B mg/L)	375327
MB for HBN 375043 [DIGM/18282]	611565	LB	SW6010B	total	S	Cadmium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	16:25	6/10/08	11:19	laboratory blank contamination (0.0064 B mg/kg)	375327
SE-060408-EB	20806052212	EQBK	SW6010B	total	W	Strontium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	17:40	6/10/08	15:56	equipment blank contamination (0.0018 B mg/L)	375327
SE-060408-FB	20806052213	FLDBK	SW6010B	total	W	Thallium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	17:40	6/10/08	16:04	field blank contamination (0.0056 B mg/L)	375327
SE-060408-EB	20806052212	EQBK	SW6010B	total	W	Titanium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	17:40	6/10/08	15:56	equipment blank contamination (0.0013 B mg/L)	375327
SE-060408-FB	20806052213	FLDBK	SW6010B	total	W	Titanium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/5/08	17:40	6/10/08	16:04	field blank contamination (0.00036 B mg/L)	375327
SE-060408-EB	20806052212	EQBK	SW6010B	total	W	Zinc	U to RRs < 5 x BlankEquivConc	TRG	6/5/08	17:40	6/10/08	15:56	equipment blank contamination (0.034 mg/L)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Aluminum	none (waived due to high parent conc)	TRG	6/5/08	16:25	6/10/08	11:46	high ave MS/MSD recovery (2445%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Antimony	none (waived due to high parent conc)	TRG	6/5/08	16:25	6/10/08	11:46	extremely low ave MS/MSD recovery (10.5%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Arsenic	J- / UJ to RRs/NDs	TRG	6/5/08	16:25	6/10/08	11:46	low ave MS/MSD recovery (50%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Barium	none (waived due to high parent conc)	TRG	6/5/08	16:25	6/10/08	11:46	high ave MS/MSD recovery (560%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Barium	J to RRs	TRG	6/5/08	16:25	6/10/08	11:46	poor MS/MSD precision (101 RPD)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Copper	none (waived due to high parent conc)	TRG	6/5/08	16:25	6/10/08	11:46	low ave MS/MSD recovery (67%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Iron	none (waived due to high parent conc)	TRG	6/5/08	16:25	6/10/08	11:46	low ave MS/MSD recovery (45%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Lead	none (waived due to high parent conc)	TRG	6/5/08	16:25	6/10/08	11:46	high ave MS/MSD recovery (338.5%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Lead	J to RRs	TRG	6/5/08	16:25	6/10/08	11:46	poor MS/MSD precision (110 RPD)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Manganese	none (waived due to high parent conc)	TRG	6/5/08	16:25	6/10/08	11:46	low ave MS/MSD recovery (66.5%)	375327

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
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Manganese	J to RRs	TRG	6/5/08	16:25	6/10/08	11:46	poor MS/MSD precision (34 RPD)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Thallium	J- / UJ to RRs/NDs	TRG	6/5/08	16:25	6/10/08	11:46	low ave MS/MSD recovery (57.5%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Zinc	none (waived due to high parent conc)	TRG	6/5/08	16:25	6/10/08	11:46	extremely low ave MS/MSD recovery (-210%)	375327
4WSED3 (0-0.5) MSD	20806052207	MSD	SW6010B	total	S	Zinc	J to RRs (sediments only)	TRG	6/5/08	16:25	6/10/08	11:46	poor MS/MSD precision (41 RPD)	375327
SE600	20806052209	SMP	SW6010B	total	S	Strontium	J to RRs	TRG	6/5/08	16:25	6/10/08	16:30	poor field precision (60 RPD)	375327
4WSED3 (0-0.5) MSD A	20807104705	MSD	SW6010B	total	S	Antimony	J- / UJ to RRs/NDs	TRG	7/11/08	13:00	7/14/08	20:49	extremely low ave MS/MSD recovery (21%); good PDS recovery (85%)	392686
4WSED3 (0-0.5) MSD A	20807104705	MSD	SW6010B	total	S	Boron	J- / UJ to RRs/NDs	TRG	7/11/08	13:00	7/14/08	20:49	low ave MS/MSD recovery (68%)	392686
4WSED3 (0-0.5) MSD B	20807104706	MSD	SW6010B	total	S	Antimony	J- / UJ to RRs/NDs	TRG	7/11/08	13:00	7/14/08	19:38	extremely low ave MS/MSD recovery (19%), good PDS recovery (88%)	392686
4WSED3 (0-0.5) MSD B	20807104706	MSD	SW6010B	total	S	Boron	J- / UJ to RRs/NDs	TRG	7/11/08	13:00	7/14/08	19:38	low ave MS/MSD recovery (63%)	392686
x	2080609sv16a003	**CCV1**	SW8081A			4,4'-DDT	J+ to RRs (none)	Pest			6/9/08	11:04	calibration drift column 1 (%D= 18)	
x	2080609sv16b005	**CCV2**	SW8081A			4,4'-DDT	J+ to RRs (none)	Pest			6/9/08	12:55	calibration drift column 2 (%D= 20)	
x	2080609sv16b005	CCV2	SW8081A			alpha-Chlordane	J+ to RRs (none)	Pest			6/9/08	12:55	calibration drift column 2 (%D= 18)	
x	2080609sv16b005	CCV2	SW8081A			beta-BHC	J+ to RRs (none)	Pest			6/9/08	12:55	calibration drift column 2 (%D= 17)	
x	2080609sv16b005	CCV2	SW8081A			delta-BHC	J+ to RRs (none)	Pest			6/9/08	12:55	calibration drift column 2 (%D= 17)	
x	2080609sv16b005	CCV2	SW8081A			gamma-BHC (Lindane)	J+ to RRs (none)	Pest			6/9/08	12:55	calibration drift column 2 (%D= 17)	
x	2080609sv16b005	CCV2	SW8081A			Methoxychlor	J+ to RRs (none)	Pest			6/9/08	12:55	calibration drift column 2 (%D= 19)	
x	2080609sv16b009	CCV2	SW8081A			4,4'-DDD	J+ to RRs (none)	Pest			6/9/08	15:42	calibration drift column 2 (%D= 17)	
x	2080609sv16b009	CCV2	SW8081A			alpha-Chlordane	J+ to RRs (none)	Pest			6/9/08	15:42	calibration drift column 2 (%D= 18)	
x	2080609sv16b009	CCV2	SW8081A			beta-BHC	J+ to RRs (none)	Pest			6/9/08	15:42	calibration drift column 2 (%D= 19)	
x	2080609sv16b009	CCV2	SW8081A			delta-BHC	J+ to RRs (none)	Pest			6/9/08	15:42	calibration drift column 2 (%D= 19)	
x	2080609sv16b009	CCV2	SW8081A			gamma-BHC (Lindane)	J+ to RRs (none)	Pest			6/9/08	15:42	calibration drift column 2 (%D= 18)	

170066

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	2080609sv16b009	CCV2	SW8081A			gamma-Chlordane	J+ to RRs (none)	Pest			6/9/08	15:42	calibration drift column 2 (%D= 17)	
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	4,4'-DDE	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (50 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	4,4'-DDT	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (86 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	alpha-Chlordane	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (43 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	beta-BHC	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (51 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	delta-BHC	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (45 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	Endosulfan I	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (52 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	Endrin	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (51 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	Endrin ketone	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (47 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	gamma-Chlordane	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (59 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	Heptachlor epoxide	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (42 RPD)	375231
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8081A		S	Methoxychlor	J to RRs (none)	TRG	6/5/08	15:30	6/7/08	15:24	poor MS/MSD precision (82 RPD)	375231
4WSED3 (0-0.5)	20806052205	SMP	SW8081A		S	Decachlorobiphenyl	none (surrogate diluted out)	SUR	6/5/08	15:30	6/6/08	14:15	extremely low SU recovery (0%)	375231
4WSED3 (0-0.5)	20806052205	SMP	SW8081A		S	Tetrachloro-m-xylene	none (surrogate diluted out)	SUR	6/5/08	15:30	6/6/08	14:15	extremely low SU recovery (0%)	375231
4WSED2 (0-0.5)	20806052208	SMP	SW8081A		S	Tetrachloro-m-xylene	none (only one of multiple surrogates deficient)	SUR	6/5/08	15:30	6/6/08	14:37	low SU recovery (52%)	375231
SE600	20806052209	SMP	SW8081A		S	Tetrachloro-m-xylene	none (only one of multiple surrogates deficient)	SUR	6/5/08	15:30	6/6/08	14:56	low SU recovery (52%)	375231
2WSED8 (1-2)	20806052210	SMP	SW8081A		S	Tetrachloro-m-xylene	none (only one of multiple surrogates deficient)	SUR	6/5/08	15:30	6/9/08	13:52	low SU recovery (58%)	375231
2WSED10 (1-2)	20806052211	SMP	SW8081A		S	Tetrachloro-m-xylene	none (only one of multiple surrogates deficient)	SUR	6/5/08	15:30	6/6/08	15:33	low SU recovery (59%)	375231
x	2080606sv16a004	CCV1	SW8082			AR 1260-Peak4	J- / UJ to RRs/NDs	Aro			6/6/08	12:15	calibration drift (%D= -17)	
x	2080606sv16a015	CCV1	SW8082			AR 1016-Peak1	J- / UJ to RRs/NDs	Aro			6/6/08	17:23	calibration drift (%D= -19)	
x	2080606sv16a015	CCV1	SW8082			AR 1016-Peak2	J- / UJ to RRs/NDs	Aro			6/6/08	17:23	calibration drift (%D= -17)	

170067

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	2080606sv16a015	CCV1	SW8082			AR 1016-Peak5	J- / UJ to RRs/NDs	Aro			6/6/08	17:23	calibration drift (%D= -17)	
x	2080606sv16a015	CCV1	SW8082			AR 1260-Peak2	J- / UJ to RRs/NDs	Aro			6/6/08	17:23	calibration drift (%D= -16)	
x	2080606sv16a015	CCV1	SW8082			AR 1260-Peak4	J- / UJ to RRs/NDs	Aro			6/6/08	17:23	calibration drift (%D= -18)	
4WSED3 (0-0.5)	20806052205	SMP	SW8082		S	Decachlorobiphenyl	none (surrogate diluted out)	SUR	6/5/08	15:30	6/6/08	14:15	extremely low SU recovery (0%)	375232
TRIP BLANK-1	20806052214	TRIPBK	SW8260B		W	2-Butanone	U to RRs < 5 x BlankEquivConc	TRG			6/10/08	11:41	trip blank contamination (0.000744 J mg/L)	375282
TRIP BLANK-2	20806052215	TRIPBK	SW8260B		W	2-Butanone	U to RRs < 5 x BlankEquivConc	TRG			6/10/08	12:04	trip blank contamination (0.0031 J mg/L)	375282
TRIP BLANK-3	20806052216	TRIPBK	SW8260B		W	2-Butanone	U to RRs < 5 x BlankEquivConc	TRG			6/10/08	12:27	trip blank contamination (0.00592 mg/L)	375282
TRIP BLANK-2	20806052215	TRIPBK	SW8260B		W	2-Hexanone	U to RRs < 5 x BlankEquivConc (none)	TRG			6/10/08	12:04	trip blank contamination (0.00076 J mg/L)	375282
TRIP BLANK-3	20806052216	TRIPBK	SW8260B		W	2-Hexanone	U to RRs < 5 x BlankEquivConc (none)	TRG			6/10/08	12:27	trip blank contamination (0.00141 J mg/L)	375282
SE-060408-EB	20806052212	EQBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			6/10/08	10:55	equipment blank contamination (0.012 J mg/L)	375282
SE-060408-FB	20806052213	FLDBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			6/10/08	11:18	field blank contamination (0.00304 J mg/L)	375282
TRIP BLANK-2	20806052215	TRIPBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			6/10/08	12:04	trip blank contamination (0.015 J mg/L)	375282
TRIP BLANK-1	20806052214	TRIPBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			6/10/08	11:41	trip blank contamination (0.015 J mg/L)	375282
TRIP BLANK-3	20806052216	TRIPBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			6/10/08	12:27	trip blank contamination (0.016 J mg/L)	375282
MB for HBN 375350 [MSV/13461]	613073	LB	SW8260B		S	Chloroform	U to RRs < 5 x BlankEquivConc	TRG			6/10/08	13:36	laboratory blank contamination (0.00169 J mg/kg)	375350
MB for HBN 375350 [MSV/13461]	613073	LB	SW8260B		S	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			6/10/08	13:36	laboratory blank contamination (0.00188 J mg/kg)	375350
TRIP BLANK-1	20806052214	TRIPBK	SW8260B		W	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			6/10/08	11:41	trip blank contamination (0.00407 J mg/L)	375282
TRIP BLANK-2	20806052215	TRIPBK	SW8260B		W	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			6/10/08	12:04	trip blank contamination (0.00186 J mg/L)	375282
x	x8869	CCV1	SW8260B			1,2,4-Trichlorobenzene	J+ to RRs (none)	VOC			6/10/08	9:58	calibration drift (%D= 22)	
x	x8869	CCV1	SW8260B			2,2-Dichloropropane	J+ to RRs (none)	VOC			6/10/08	9:58	calibration drift (%D= 37)	
x	x8869	CCV1	SW8260B			Bromomethane	J+ to RRs (none)	VOC			6/10/08	9:58	calibration drift (%D= 30)	

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	x8869	CCV1	SW8260B			Carbon tetrachloride	J+ to RRs (none)	VOC			6/10/08	9:58	calibration drift (%D= 36)	
x	x8869	CCV1	SW8260B			Methyl iodide	J+ to RRs (none)	VOC			6/10/08	9:58	calibration drift (%D= 40)	
x	x8800	ICAL1	SW8260B			trans-1,4-Dichloro-2-butene	J / UJ to RRs/NDs	VOC low soil			6/7/08	21:51	low instrument response (low RRF), elevate SDL for NDs 7x (Sed)	
x	x8869	CCV1	SW8260B			trans-1,4-Dichloro-2-butene	J+ to RRs (none)	VOC			6/10/08	9:58	calibration drift (%D= 29)	
x	h4664	ICAL2	SW8260B			n-Butyl alcohol	J / UJ to RRs/NDs	App9 water/ext			6/8/08	12:49	low instrument response (low RRF), elevate SDL for NDs 50x (Sed)	
x	h4724s	CCV2	SW8260B			n-Butyl alcohol	J- / UJ to RRs/NDs	App9			6/10/08	7:43	calibration drift (%D= -25)	
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	1,1,2,2-Tetrachloroethane	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (42 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	1,2,4-Trichlorobenzene	J- / UJ to RRs/NDs	TRG			6/10/08	15:50	low ave MS/MSD recovery (57%)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	1,2,4-Trimethylbenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (47 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	1,2-Dichlorobenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (42 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	1,3,5-Trimethylbenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (47 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	1,3-Dichlorobenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (45 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	1,4-Dichlorobenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (48 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	2-Chlorotoluene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (51 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	4-Chlorotoluene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (49 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	4-Isopropyltoluene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (41 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	Acrolein	J- / UJ to RRs/NDs	TRG			6/10/08	15:50	low ave MS/MSD recovery (53.5%)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	Bromobenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (49 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	Hexachlorobutadiene	J- / UJ to RRs/NDs	TRG			6/10/08	15:50	low ave MS/MSD recovery (45.5%)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	n-Propylbenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (49 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	sec-Butylbenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (42 RPD)	375350

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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
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	tert-Butylbenzene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (46 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	Tetrachloroethene	J to RRs (none)	TRG			6/10/08	15:50	poor MS/MSD precision (42 RPD)	375350
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8260B		S	Vinyl acetate	J- / UJ to RRs/NDs	TRG			6/10/08	15:50	low ave MS/MSD recovery (36%)	375350
SE600	20806052209	SMP	SW8260B		S	IS2 (1,4-Dichlorobenzene-d4)	J / UJ to RRs/NDs quantitated with IS2	TRG			6/10/08	15:02	low internal standard area (-70% of daily standard area)	375350
SE-060408-EB	20806052212	EQBK	SW8270C		W	Caprolactam	U to RRs < 5 x BlankEquivConc (none)	TRG	6/7/08	12:00	6/9/08	13:46	equipment blank contamination (0.013 mg/L)	375227
x	d6198	ICAL1	SW8270C			2,4-Dinitrophenol	J / UJ to RRs/NDs	SVOC			6/2/08	8:24	low instrument response (low RRF), elevate SDL for NDs 21x (Sed)	
x	d6198	ICAL1	SW8270C			Benzaldehyde	J / UJ to RRs/NDs	SVOC			6/2/08	8:24	poor calibration fit (%RSD=66)	
x	d6198	ICAL1	SW8270C			Benzidine	J / UJ to RRs/NDs	SVOC			6/2/08	8:24	poor calibration fit (%RSD=32)	
x	d6368	CCV1	SW8270C			2,6-Dinitrotoluene	J- / UJ to RRs/NDs	SVOC			6/7/08	9:43	calibration drift (%D= -23)	
x	d6368	CCV1	SW8270C			Benzaldehyde	J+ to RRs (none)	SVOC			6/7/08	9:43	calibration drift (%D= 40)	
x	d6368	CCV1	SW8270C			Benzidine	J+ to RRs (none)	SVOC			6/7/08	9:43	calibration drift (%D= 43)	
x	d6368	CCV1	SW8270C			Benzo(b)fluoranthene	J+ to RRs (none)	SVOC			6/7/08	9:43	calibration drift (%D= 22)	
x	d6368	CCV1	SW8270C			Benzoic acid	J+ to RRs (none)	SVOC			6/7/08	9:43	calibration drift (%D= 42)	
x	d6368	CCV1	SW8270C			Caprolactam	J+ to RRs (none)	SVOC			6/7/08	9:43	calibration drift (%D= 22)	
x	d6368	CCV1	SW8270C			Indeno(1,2,3-cd)pyrene	J+ to RRs	SVOC			6/7/08	9:43	calibration drift (%D= 22)	
x	d6368	CCV1	SW8270C			N-Nitrosodimethylamine	J+ to RRs (none)	SVOC			6/7/08	9:43	calibration drift (%D= 74)	
x	d6368	CCV1	SW8270C			N-Nitroso-di-n-propylamine	J+ to RRs (none)	SVOC			6/7/08	9:43	calibration drift (%D= 22)	
x	d6368	CCV1	SW8270C			Pyridine	J+ to RRs (none)	SVOC			6/7/08	9:43	calibration drift (%D= 38)	
x	d6416	CCV1	SW8270C			2,6-Dinitrotoluene	J- / UJ to RRs/NDs	SVOC			6/9/08	8:36	calibration drift (%D= -21)	
x	d6416	CCV1	SW8270C			3,3'-Dichlorobenzidine	J+ to RRs (none)	SVOC			6/9/08	8:36	calibration drift (%D= 21)	
x	d6416	CCV1	SW8270C			4-Nitrophenol	J+ to RRs (none)	SVOC			6/9/08	8:36	calibration drift (%D= 22)	

170070

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	d6416	CCV1	SW8270C			Benzaldehyde	J+ to RRs (none)	SVOC			6/9/08	8:36	calibration drift (%D= 43)	
x	d6416	CCV1	SW8270C			Benzidine	J+ to RRs (none)	SVOC			6/9/08	8:36	calibration drift (%D= 129)	
x	d6416	CCV1	SW8270C			Caprolactam	J+ to RRs (none)	SVOC			6/9/08	8:36	calibration drift (%D= 26)	
x	d6416	CCV1	SW8270C			Indeno(1,2,3-cd)pyrene	J+ to RRs	SVOC			6/9/08	8:36	calibration drift (%D= 32)	
x	d6416	CCV1	SW8270C			N-Nitrosodimethylamine	J+ to RRs (none)	SVOC			6/9/08	8:36	calibration drift (%D= 135)	
LCS for HBN 375004 [EXTO/20414	611350	LCS	SW8270C		S	Aniline	J+ to RRs (none)	TRG	6/6/08	15:00	6/7/08	14:00	high LCS recovery (372%)	375151
LCS for HBN 375004 [EXTO/20414	611350	LCS	SW8270C		S	Atrazine (Aatrex)	J+ to RRs (none)	TRG	6/6/08	15:00	6/7/08	14:00	high LCS recovery (204%)	375151
LCS for HBN 375004 [EXTO/20414	611350	LCS	SW8270C		S	Benzidine	J+ to RRs (none)	TRG	6/6/08	15:00	6/7/08	14:00	high LCS recovery (351%)	375151
LCS for HBN 375004 [EXTO/20414	611350	LCS	SW8270C		S	Pyridine	J- / UJ to RRs/NDs	TRG	6/6/08	15:00	6/7/08	14:00	low LCS recovery (55%)	375151
LCSD for HBN 375218 [EXTO/2044	612546	LCSD	SW8270C		S	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	14:48	low ave LCS/LCSD recovery (54.5%)	375227
LCSD for HBN 375218 [EXTO/2044	612546	LCSD	SW8270C		S	Aniline	J+ to RRs (none)	TRG	6/9/08	8:00	6/9/08	14:48	high ave LCS/LCSD recovery (183%)	375227
LCSD for HBN 375218 [EXTO/2044	612546	LCSD	SW8270C		S	Atrazine (Aatrex)	J+ to RRs (none)	TRG	6/9/08	8:00	6/9/08	14:48	high ave LCS/LCSD recovery (180.5%)	375227
LCSD for HBN 375218 [EXTO/2044	612546	LCSD	SW8270C		S	Benzaldehyde	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	14:48	low ave LCS/LCSD recovery (44%)	375227
LCSD for HBN 375218 [EXTO/2044	612546	LCSD	SW8270C		S	Benzaldehyde	J to RRs (none)	TRG	6/9/08	8:00	6/9/08	14:48	poor LCS/LCSD precision (53 RPD)	375227
LCSD for HBN 375218 [EXTO/2044	612546	LCSD	SW8270C		S	Benzidine	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	14:48	low ave LCS/LCSD recovery (34.5%)	375227
LCSD for HBN 375218 [EXTO/2044	612546	LCSD	SW8270C		S	Benzidine	J to RRs (none)	TRG	6/9/08	8:00	6/9/08	14:48	poor LCS/LCSD precision (78 RPD)	375227
LCSD for HBN 375218 [EXTO/2044	612546	LCSD	SW8270C		S	Pyridine	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	14:48	low ave LCS/LCSD recovery (53.5%)	375227
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	15:18	low ave MS/MSD recovery (53%)	375227
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	3,3'-Dichlorobenzidine	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	15:18	low ave MS/MSD recovery (55%)	375227

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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
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	4-Chloroaniline	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	15:18	low ave MS/MSD recovery (57.5%)	375227
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	Atrazine (Aatrex)	J+ to RRs (none)	TRG	6/9/08	8:00	6/9/08	15:18	high ave MS/MSD recovery (180.5%)	375227
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	Benzaldehyde	J to RRs (none)	TRG	6/9/08	8:00	6/9/08	15:18	poor MS/MSD precision (52 RPD)	375227
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	Benzidine	J-/ R to RRs/ NDs	TRG	6/9/08	8:00	6/9/08	15:18	extremely low ave MS/MSD recovery (0%)	375227
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	Benzoic acid	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	15:18	low ave MS/MSD recovery (57.5%)	375227
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	Hexachlorocyclopentadiene	J- / UJ to RRs/NDs	TRG	6/9/08	8:00	6/9/08	15:18	low ave MS/MSD recovery (54.5%)	375227
4WSED3 (0-0.5) MSD	20806052207	MSD	SW8270C		S	Indeno(1,2,3-cd)pyrene	J+ to RRs	TRG	6/9/08	8:00	6/9/08	15:18	high ave MS/MSD recovery (143%)	375227
2WSED10 (1-2)	20806052211	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates deficient)	SUR	6/6/08	15:00	6/7/08	18:20	low acid SU recovery (56%)	375151
SE-060408-EB	20806052212	EQBK	SW9060		W	Total Organic Carbon	U to RRs < 5 x BlankEquivConc (none)	TRG			6/9/08	1:45	equipment blank contamination (4.4 mg/L)	375152
SE600	20806052209	SMP	SW9060		S	Total Organic Carbon	J to RRs	TRG			6/11/08	16:47	poor field precision (67 RPD)	375512

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 06/12/2008

GCAL Report 208060522

Deliver To	Pastor, Behling, & Wheeler 2201 Double Creek Drive Suite 4004 Round Rock, TX 78664 512-671-3434
Attn	Jen Pavesi

Customer Pastor, Behling, & Wheeler

Project Gulfco Marine Maintenance Site

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 208060522

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, all soil samples were analyzed at a 50 (methanol extract) dilution for 2-Chloroethylvinyl ether and n-Butanol. The reporting limits are elevated based on the dilution. The laboratory could not generate an acceptable solid initial calibration for these compounds. The methanol extracts are quantitated with the water initial calibration curve.

In the SW-846 8260B analysis for analytical batch 375350, the MS/MSD exhibited numerous recovery and RPD failures. All LCS/LCSD recoveries and RPDs were acceptable. Chloroform and Methylene chloride were detected at estimated concentrations in the method blank.

In the SW-846 8260B analysis for analytical batch 375282, Chloroform and Naphthalene were detected at estimated concentrations in the method blank.

In the SW-845 8260B analysis, the recovery for Methyl iodide was above the upper control limit in the ICV (MSV0, 06/07/08pm). This compound was not detected in the associated samples.

In the SW-846 8260B analysis, the %D was outside ±30% for Methyl iodide (39.7) and Carbon tetrachloride (36.8) in the CCV (MSV0, 06/10/08). The recoveries were high and this compound was not detected in the associated samples.

In the SW-846 8260B analysis, the %D was outside ±30% for Bromomethane (-30.7) in the CCV (MSV5, 06/10/08).

SEMI-VOLATILES MASS SPECTROMETRY

In the SW-846 8270C analysis for prep batch 375218, the MS/MSD exhibited recovery and RPD failures. The MS/MSD and LCS/LCSD recoveries were above the upper control limits for Atrazine. The LCS/LCSD recoveries were above the upper control limits for Aniline and Benzo(k)fluoranthene. The LCS/LCSD RPDs were above the control limits for Benzaldehyde and Benzidine.

In the SW-846 8270C analysis for prep batch 375004, the LCS recoveries were above the upper control limits for Acenaphthylene, Benzo(a)anthracene, Benzo(b)fluoranthene,

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Benzo(k)fluoranthene, Benzo(a)pyrene, 4-Bromophenyl phenyl ether, 2-Methylnaphthalene, o-Cresol, Aniline, 4-Chloroaniline, Atrazine (Aatrex), and Benzidine. The concentrations for some compounds are flagged E on the Form 1 for the LCS because the concentrations are greater than the high concentration standard.

In the SW-846 8270C analysis for prep batch 375086, the LCS and/or LCSD recoveirs were above the upper control limits for Acenaphthylene, Benzidine, Benzo(k)fluoranthene, Benzoic acid, Indeno(1,2,3-cd)pyrene, Aniline, 4-Chloroaniline, Atrazine (Aatrex), and Benzaldehyde. The concentrations for some compounds are flagged E on the Form 1 for the LCS/LCSD because the concentrations are greater than the high concentration standard.

In the SW-846 8270C analysis, the %RSD was greater than 30% for Benzidine (32.2) and Benzaldehyde (65.9) in the initial calibration (MSSV5, 06/02/08).

In the SW-846 8270C analysis, the %D/%Drift was outside ±30% for Pyridine (37.6), n-Nitrosodimethylamine (74.2), Benzoic acid (41.8), Benzidine (42.9), and Benzaldehyde (39.8) in the CCV (MSSV5, 06/07/08). These are poor performing compounds.

In the SW-846 8270C analysis, the %D/%Drift was outside ±30% for n-Nitrosodimethylamine (135), Benzidine (129), and Benzaldehyde (42.8) in the CCV (MSSV5, 06/09/08). These are poor performing compounds.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the SW-846 8081A analysis, the RPD between the original result and the confirmation result was greater than 40 for gamma-Chlordane for sample 20806052210 (SWSED8). The higher result is reported.

In the SW-846 8081A and 8082 analyses, samples 20806052205 (4WSED3), 20806052206 (4WSED3 MS), and 20806052207 (4WSED3 MSD) required dilutions to eliminate the interference from non-target background. The dilutions are reflected in elevated detection limits. The recoveries for the surrogates are reported as "D", diluted out.

In the SW-846 8081A analysis for prep batch 375037, the MSD exhibited a recovery failure. The MS/MSD exhibited numerous RPD failures. The LCS recovery was above the upper control limit for gamma-Chlorodane.

METALS

In the SW-846 6010B analysis, a chemical or physical interference necessitated a dilution for samples 20806052201 (SHELL 1), 20806052202 (SHELL 2), and 20806052203 (SHELL 3). This is reflected in elevated detection limits.

170075

In the SW-846 6010B analysis for prep batch 375043, the MS and/or MSD recoveries were outside the control limits for Antimony, Arsenic, Boron, Copper, Lead, Molybdenum, Strontium, Thallium 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 nonhomogeneous in the sample matrix. A post-digestion spike was performed on the QC sample for this batch with recoveries of 107% for Antimony, 50% for Arsenic, 88% for Boron, 95% for Copper, 86% for Lead, 96% for Molybdenum, 104% for Strontium, 56% for Thallium and 91% for Titanium. The MS/MSD spike recoveries and post-digestion spike recoveries are not applicable for Aluminum, Barium, Iron, Manganese, and Zinc because the sample concentration is greater than four times the spike concentration. The MS/MSD RPD for Antimony, Lead and Strontium was outside the control limits. The heterogeneous nature of the QC sample is believed to be responsible for this. Antimony, Boron, Iron, Lithium, and Vanadium are flagged E, estimated on the serial dilution form due to the fact that the % difference between the original result and the serial dilution result for the batch QC sample was greater than 10.

In the SW-846 6010B analysis the Sample/Duplicate RPDs for Boron, Molybdenum, Thallium, and Tin for prep batch 375072 are not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

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 208060522

THIS REPORT CONTAINS 1503 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20806052201	SHELL 1	Solid	06/04/2008 10:10	06/05/2008 08:57
20806052202	SHELL 2	Solid	06/04/2008 10:15	06/05/2008 08:57
20806052203	SHELL 3	Solid	06/04/2008 10:20	06/05/2008 08:57
20806052204	4WSED1 (0-0.5)	Solid	06/04/2008 10:40	06/05/2008 08:57
20806052205	4WSED3 (0-0.5)	Solid	06/04/2008 12:00	06/05/2008 08:57
20806052206	4WSED3 (0-0.5) MS	Solid	06/04/2008 12:00	06/05/2008 08:57
20806052207	4WSED3 (0-0.5) MSD	Solid	06/04/2008 12:00	06/05/2008 08:57
20806052208	4WSED2 (0-0.5)	Solid	06/04/2008 12:45	06/05/2008 08:57
20806052209	SE600	Solid	06/04/2008 00:00	06/05/2008 08:57
20806052210	SWSED8 (1-2)	Solid	06/04/2008 13:45	06/05/2008 08:57
20806052211	2WSED10 (1-2)	Solid	06/04/2008 14:40	06/05/2008 08:57
20806052212	SE-060408-EB	Water	06/04/2008 15:00	06/05/2008 08:57
20806052213	SE-060408-FB	Water	06/04/2008 15:35	06/05/2008 08:57
20806052214	TRIP BLANK-1	Water	06/04/2008 00:00	06/05/2008 08:57
20806052215	TRIP BLANK-2	Water	06/04/2008 00:00	06/05/2008 08:57
20806052216	TRIP BLANK-3	Water	06/04/2008 00:00	06/05/2008 08:57

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Method: SW-846 8260

	SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	TOT OUT
1.	SE-060408-EB	101		99		104		98		0
2.	SE-060408-FB	98		94		99		93		0
3.	TRIP BLANK-1	99		97		100		95		0
4.	TRIP BLANK-2	105		97		105		99		0
5.	TRIP BLANK-3	106		102		105		102		0
6.	MB612773	103		100		99		97		0
7.	LCS612774	97		100		94		88		0
8.	LCSD612775	97		98		95		94		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

170079

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Method: SW-846 8260

	SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	TOT OUT
1.	4WSED3 (0-0.5)	101		103		92		107		0
2.	4WSED3 (0-0.5)	106		102		104		103		0
3.	4WSED3 (0-0.5) MS	102		106		105		110		0
4.	4WSED3 (0-0.5) MS	102		97		103		97		0
5.	4WSED3 (0-0.5) MSD	115		109		103		113		0
6.	4WSED3 (0-0.5) MSD	101		88		99		92		0
7.	4WSED2 (0-0.5)	108		108		103		114		0
8.	4WSED2 (0-0.5)	95		93		97		89		0
9.	SE600	87		110		123		114		0
10.	SE600	106		98		103		94		0
11.	SWSED8 (1-2)	107		105		101		109		0
12.	SWSED8 (1-2)	106		99		105		90		0
13.	2WSED10 (1-2)	105		106		95		112		0
14.	2WSED10 (1-2)	104		98		102		93		0
15.	LCS613074	109		106		101		103		0
16.	LCSD613075	103		99		96		93		0
17.	MB613073	105		103		101		98		0
18.	MB612834	100		98		98		96		0
19.	LCS612835	97		100		94		88		0
20.	LCSD612836	98		98		95		94		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

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 4WSED3 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Method: SW-846 8260

Analytical Batch: 375350

SAMPLE NO : 20806052206

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*#*	*QC. LIMITS*
1,1,1,2-Tetrachloroethane	mg/kg	.058	0	.061	103		80 - 120
1,1,1-Trichloroethane	mg/kg	.058	0	.061	105		74 - 125
1,1,2,2-Tetrachloroethane	mg/kg	.058	0	.073	125		75 - 134
1,1,2-Trichloroethane	mg/kg	.058	0	.066	113		80 - 121
1,1-Dichloroethane	mg/kg	.058	0	.059	102		73 - 131
1,1-Dichloroethene	mg/kg	.058	0	.066	114		73 - 134
1,1-Dichloropropene	mg/kg	.058	0	.061	104		79 - 124
1,2,3-Trichloropropane	mg/kg	.058	0	.073	125		76 - 135
1,2,4-Trichlorobenzene	mg/kg	.058	0	.036	63	*	79 - 129
1,2,4-Trimethylbenzene	mg/kg	.058	0	.055	94		80 - 122
1,2-Dibromo-3-chloropropane	mg/kg	.058	0	.072	124		60 - 146
1,2-Dibromoethane	mg/kg	.058	0	.07	120		79 - 123
1,2-Dichlorobenzene	mg/kg	.058	0	.054	92		80 - 120
1,2-Dichloroethane	mg/kg	.058	.0024	.057	94		76 - 125
1,2-Dichloropropane	mg/kg	.058	0	.058	101		80 - 121
1,3,5-Trimethylbenzene	mg/kg	.058	0	.055	94		80 - 122
1,3-Dichlorobenzene	mg/kg	.058	0	.054	92		80 - 120
1,3-Dichloropropane	mg/kg	.058	0	.064	110		80 - 122
1,4-Dichlorobenzene	mg/kg	.058	0	.057	97		80 - 120
2,2-Dichloropropane	mg/kg	.058	0	.054	92		68 - 130
2-Butanone	mg/kg	.058	0	.071	121		45 - 170
2-Chlorotoluene	mg/kg	.058	0	.057	98		80 - 123
2-Hexanone	mg/kg	.058	0	.059	102		56 - 153
4-Chlorotoluene	mg/kg	.058	0	.056	97		80 - 121
4-Isopropyltoluene	mg/kg	.058	0	.048	81		80 - 123
4-Methyl-2-pentanone	mg/kg	.058	0	.061	104		56 - 147
Acetone	mg/kg	.058	0	.072	123		18 - 201
Acrolein	mg/kg	.291	0	.163	56		40 - 164
Acrylonitrile	mg/kg	.291	0	.306	105		53 - 153
Benzene	mg/kg	.058	0	.059	102		80 - 120
Bromobenzene	mg/kg	.058	0	.059	102		80 - 125
Bromodichloromethane	mg/kg	.058	0	.062	107		80 - 120
Bromoform	mg/kg	.058	0	.066	114		74 - 125
Bromomethane	mg/kg	.058	0	.068	116		44 - 163
Carbon disulfide	mg/kg	.058	0	.051	88		69 - 135
Carbon tetrachloride	mg/kg	.058	0	.049	84		75 - 123

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

* Values outside of QC limits

RPD : 32 out of 73 outside limits

Spike Recovery: 35 out of 146 outside limits

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 4WSED3 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Method: SW-846 8260

Analytical Batch: 375350

Chlorobenzene	mg/kg	.058	0	.058	101		80	-	120
Chloroethane	mg/kg	.058	0	.079	135		47	-	155
Chloroform	mg/kg	.058	.00116	.056	94		72	-	127
Chloromethane	mg/kg	.058	0	.055	95		59	-	150
Cyclohexane	mg/kg	.058	0	.056	96		61	-	143
Dibromochloromethane	mg/kg	.058	0	.064	111		80	-	122
Dibromomethane	mg/kg	.058	0	.058	100		79	-	120
Dichlorodifluoromethane	mg/kg	.058	0	.071	121		63	-	139
Ethylbenzene	mg/kg	.058	0	.059	102		80	-	120
Hexachlorobutadiene	mg/kg	.058	0	.027	47	*	73	-	131
Isopropylbenzene (Cumene)	mg/kg	.058	0	.054	91		80	-	122
Methyl Acetate	mg/kg	.058	0	.041	71		41	-	164
Methyl iodide	mg/kg	.058	0	.065	112		52	-	145
Methylcyclohexane	mg/kg	.058	0	.048	82		79	-	122
Methylene chloride	mg/kg	.058	.00463	.056	87		64	-	138
Naphthalene	mg/kg	.058	0	.042	71		62	-	146
Styrene	mg/kg	.058	0	.056	96		80	-	120
Tetrachloroethene	mg/kg	.058	0	.061	103		76	-	126
Toluene	mg/kg	.058	.00214	.058	97		80	-	120
Trichloroethene	mg/kg	.058	0	.062	105		78	-	120
Trichlorofluoromethane	mg/kg	.058	0	.073	125		68	-	135
Trichlorotrifluoroethane	mg/kg	.058	0	.063	108		71	-	137
Vinyl acetate	mg/kg	.058	0	.021	36	*	59	-	146
Vinyl chloride	mg/kg	.058	0	.062	106		72	-	134
Xylene (total)	mg/kg	.175	0	.172	99		80	-	120
cis-1,2-Dichloroethene	mg/kg	.058	0	.057	97		73	-	131
cis-1,3-Dichloropropene	mg/kg	.058	0	.062	105		80	-	120
m,p-Xylene	mg/kg	.117	0	.114	98		80	-	121
n-Butylbenzene	mg/kg	.058	0	.043	73	*	80	-	126
n-Propylbenzene	mg/kg	.058	0	.056	96		80	-	124
o-Xylene	mg/kg	.058	0	.058	100		80	-	122
sec-Butylbenzene	mg/kg	.058	0	.047	80		80	-	123
tert-Butyl methyl ether (MTBE)	mg/kg	.058	0	.051	89		71	-	130
tert-Butylbenzene	mg/kg	.058	0	.05	86		80	-	123
trans-1,2-Dichloroethene	mg/kg	.058	0	.061	104		71	-	134
trans-1,3-Dichloropropene	mg/kg	.058	0	.064	111		80	-	123
trans-1,4-Dichloro-2-butene	mg/kg	.058	0	.07	120		67	-	142

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

* Values outside of QC limits

RPD : 32 out of 73 outside limits

Spike Recovery: 35 out of 146 outside limits

FORM III VOA-2

170082

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 4WSED3 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Method: SW-846 8260

Analytical Batch: 375350

SAMPLE NO : ***20806052207***

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	*#*	*% RPD*	*#*	*QC. LIMITS REC*	*RPD*
1,1,1,2-Tetrachloroethane	mg/kg	.058	.044	76	*	31	*	80 - 120	0 - 30
1,1,1-Trichloroethane	mg/kg	.058	.047	79		26		74 - 125	0 - 30
1,1,2,2-Tetrachloroethane	mg/kg	.058	.048	81		42	*	75 - 134	0 - 30
1,1,2-Trichloroethane	mg/kg	.058	.051	87		26		80 - 121	0 - 30
1,1-Dichloroethane	mg/kg	.058	.049	83		19		73 - 131	0 - 30
1,1-Dichloroethene	mg/kg	.058	.05	86		28	*	73 - 134	0 - 22
1,1-Dichloropropene	mg/kg	.058	.044	76	*	31	*	79 - 124	0 - 30
1,2,3-Trichloropropane	mg/kg	.058	.049	85		40	*	76 - 135	0 - 30
1,2,4-Trichlorobenzene	mg/kg	.058	.03	51	*	18		79 - 129	0 - 30
1,2,4-Trimethylbenzene	mg/kg	.058	.034	58	*	47	*	80 - 122	0 - 30
1,2-Dibromo-3-chloropropane	mg/kg	.058	.052	89		32	*	60 - 146	0 - 30
1,2-Dibromoethane	mg/kg	.058	.055	94		24		79 - 123	0 - 30
1,2-Dichlorobenzene	mg/kg	.058	.035	60	*	42	*	80 - 120	0 - 30
1,2-Dichloroethane	mg/kg	.058	.05	81		13		76 - 125	0 - 30
1,2-Dichloropropane	mg/kg	.058	.048	82		20		80 - 121	0 - 30
1,3,5-Trimethylbenzene	mg/kg	.058	.034	58	*	47	*	80 - 122	0 - 30
1,3-Dichlorobenzene	mg/kg	.058	.034	58	*	45	*	80 - 120	0 - 30
1,3-Dichloropropane	mg/kg	.058	.05	86		24		80 - 122	0 - 30
1,4-Dichlorobenzene	mg/kg	.058	.035	60	*	48	*	80 - 120	0 - 30
2,2-Dichloropropane	mg/kg	.058	.043	74		22		68 - 130	0 - 30
2-Butanone	mg/kg	.058	.057	98		22		45 - 170	0 - 30
2-Chlorotoluene	mg/kg	.058	.034	58	*	51	*	80 - 123	0 - 30
2-Hexanone	mg/kg	.058	.05	86		17		56 - 153	0 - 30
4-Chlorotoluene	mg/kg	.058	.034	58	*	49	*	80 - 121	0 - 30
4-Isopropyltoluene	mg/kg	.058	.031	54	*	41	*	80 - 123	0 - 30
4-Methyl-2-pentanone	mg/kg	.058	.054	92		12		56 - 147	0 - 30
Acetone	mg/kg	.058	.059	101		19		18 - 201	0 - 30
Acrolein	mg/kg	.293	.15	51		8		40 - 164	0 - 30
Acrylonitrile	mg/kg	.293	.276	95		10		53 - 153	0 - 30
Benzene	mg/kg	.058	.047	80		24	*	80 - 120	0 - 21
Bromobenzene	mg/kg	.058	.036	62	*	49	*	80 - 125	0 - 30
Bromodichloromethane	mg/kg	.058	.05	85		21		80 - 120	0 - 30
Bromoform	mg/kg	.058	.05	87		28		74 - 125	0 - 30
Bromomethane	mg/kg	.058	.064	110		5		44 - 163	0 - 30
Carbon disulfide	mg/kg	.058	.037	63	*	32	*	69 - 135	0 - 30
Carbon tetrachloride	mg/kg	.058	.036	62	*	30		75 - 123	0 - 30

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

* Values outside of QC limits

RPD : 32 out of 73 outside limits

Spike Recovery: 35 out of 146 outside limits

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 4WSED3 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Method: SW-846 8260

Analytical Batch: 375350

Chlorobenzene	mg/kg	.058	.042	72	*	33	*	80 - 120	0 - 21
Chloroethane	mg/kg	.058	.064	110		21		47 - 155	0 - 30
Chloroform	mg/kg	.058	.045	75		21		72 - 127	0 - 30
Chloromethane	mg/kg	.058	.045	78		19		59 - 150	0 - 30
Cyclohexane	mg/kg	.058	.04	68		34	*	61 - 143	0 - 30
Dibromochloromethane	mg/kg	.058	.049	84		27		80 - 122	0 - 30
Dibromomethane	mg/kg	.058	.05	85		15		79 - 120	0 - 30
Dichlorodifluoromethane	mg/kg	.058	.057	97		22		63 - 139	0 - 30
Ethylbenzene	mg/kg	.058	.041	70	*	37	*	80 - 120	0 - 30
Hexachlorobutadiene	mg/kg	.058	.026	44	*	4		73 - 131	0 - 30
Isopropylbenzene (Cumene)	mg/kg	.058	.037	64	*	36	*	80 - 122	0 - 30
Methyl Acetate	mg/kg	.058	.035	60		15		41 - 164	0 - 30
Methyl iodide	mg/kg	.058	.068	117		4		52 - 145	0 - 30
Methylcyclohexane	mg/kg	.058	.036	61	*	28		79 - 122	0 - 30
Methylene chloride	mg/kg	.058	.047	72		18		64 - 138	0 - 30
Naphthalene	mg/kg	.058	.034	58	*	22		62 - 146	0 - 30
Styrene	mg/kg	.058	.041	70	*	31	*	80 - 120	0 - 30
Tetrachloroethene	mg/kg	.058	.04	69	*	42	*	76 - 126	0 - 30
Toluene	mg/kg	.058	.043	69	*	30	*	80 - 120	0 - 21
Trichloroethene	mg/kg	.058	.045	78		30	*	78 - 120	0 - 24
Trichlorofluoromethane	mg/kg	.058	.055	94		29		68 - 135	0 - 30
Trichlorotrifluoroethane	mg/kg	.058	.048	81		27		71 - 137	0 - 30
Vinyl acetate	mg/kg	.058	.021	36	*	0		59 - 146	0 - 30
Vinyl chloride	mg/kg	.058	.05	85		21		72 - 134	0 - 30
Xylene (total)	mg/kg	.175	.122	70	*	34	*	80 - 120	0 - 30
cis-1,2-Dichloroethene	mg/kg	.058	.045	78		23		73 - 131	0 - 30
cis-1,3-Dichloropropene	mg/kg	.058	.051	88		19		80 - 120	0 - 30
m,p-Xylene	mg/kg	.117	.082	69	*	33	*	80 - 121	0 - 30
n-Butylbenzene	mg/kg	.058	.031	53	*	31	*	80 - 126	0 - 30
n-Propylbenzene	mg/kg	.058	.034	57	*	49	*	80 - 124	0 - 30
o-Xylene	mg/kg	.058	.041	70	*	35	*	80 - 122	0 - 30
sec-Butylbenzene	mg/kg	.058	.03	52	*	42	*	80 - 123	0 - 30
tert-Butyl methyl ether (MTBE)	mg/kg	.058	.051	88		0		71 - 130	0 - 30
tert-Butylbenzene	mg/kg	.058	.031	54	*	46	*	80 - 123	0 - 30
trans-1,2-Dichloroethene	mg/kg	.058	.048	81		24		71 - 134	0 - 30
trans-1,3-Dichloropropene	mg/kg	.058	.05	86		24		80 - 123	0 - 30
trans-1,4-Dichloro-2-butene	mg/kg	.058	.056	95		22		67 - 142	0 - 30

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

* Values outside of QC limits

RPD : 32 out of 73 outside limits

Spike Recovery: 35 out of 146 outside limits

FORM III VOA-2

170084

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Method: SW-846 8260

Analytical Batch: 375350

SAMPLE NO : 613074

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*#*	*QC. LIMITS*
1,1,1,2-Tetrachloroethane	mg/kg	.05	0	.052	104		80 - 120
1,1,1-Trichloroethane	mg/kg	.05	0	.054	108		74 - 125
1,1,2,2-Tetrachloroethane	mg/kg	.05	0	.051	101		75 - 134
1,1,2-Trichloroethane	mg/kg	.05	0	.053	106		80 - 121
1,1-Dichloroethane	mg/kg	.05	0	.053	107		73 - 131
1,1-Dichloroethene	mg/kg	.05	0	.058	115		73 - 134
1,1-Dichloropropene	mg/kg	.05	0	.054	108		79 - 124
1,2,3-Trichloropropane	mg/kg	.05	0	.053	105		76 - 135
1,2,4-Trichlorobenzene	mg/kg	.05	0	.058	116		79 - 129
1,2,4-Trimethylbenzene	mg/kg	.05	0	.05	101		80 - 122
1,2-Dibromo-3-chloropropane	mg/kg	.05	0	.052	104		60 - 146
1,2-Dibromoethane	mg/kg	.05	0	.054	108		79 - 123
1,2-Dichlorobenzene	mg/kg	.05	0	.052	104		80 - 120
1,2-Dichloroethane	mg/kg	.05	0	.049	98		76 - 125
1,2-Dichloropropane	mg/kg	.05	0	.053	105		80 - 121
1,3,5-Trimethylbenzene	mg/kg	.05	0	.051	101		80 - 122
1,3-Dichlorobenzene	mg/kg	.05	0	.053	105		80 - 120
1,3-Dichloropropane	mg/kg	.05	0	.053	105		80 - 122
1,4-Dichlorobenzene	mg/kg	.05	0	.051	103		80 - 120
2,2-Dichloropropane	mg/kg	.05	0	.052	104		68 - 130
2-Butanone	mg/kg	.05	0	.051	101		45 - 170
2-Chlorotoluene	mg/kg	.05	0	.05	100		80 - 123
2-Hexanone	mg/kg	.05	0	.045	89		56 - 153
4-Chlorotoluene	mg/kg	.05	0	.05	99		80 - 121
4-Isopropyltoluene	mg/kg	.05	0	.052	103		80 - 123
4-Methyl-2-pentanone	mg/kg	.05	0	.047	93		56 - 147
Acetone	mg/kg	.05	0	.058	116		18 - 201
Acrolein	mg/kg	.25	0	.25	100		40 - 164
Acrylonitrile	mg/kg	.25	0	.264	106		53 - 153
Benzene	mg/kg	.05	0	.053	107		80 - 120
Bromobenzene	mg/kg	.05	0	.049	97		80 - 125
Bromodichloromethane	mg/kg	.05	0	.053	107		80 - 120
Bromoform	mg/kg	.05	0	.057	114		74 - 125
Bromomethane	mg/kg	.05	0	.069	138		44 - 163
Carbon disulfide	mg/kg	.05	0	.056	111		69 - 135
Carbon tetrachloride	mg/kg	.05	0	.053	105		75 - 123

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: 0 out of 146 outside limits

FORM III VOA-2

170085

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Method: SW-846 8260

Analytical Batch: 375350

Chlorobenzene	mg/kg	.05	0	.053	106		80	-	120
Chloroethane	mg/kg	.05	0	.068	136		47	-	155
Chloroform	mg/kg	.05	0	.049	98		72	-	127
Chloromethane	mg/kg	.05	0	.05	99		59	-	150
Cyclohexane	mg/kg	.05	0	.053	106		61	-	143
Dibromochloromethane	mg/kg	.05	0	.056	112		80	-	122
Dibromomethane	mg/kg	.05	0	.048	96		79	-	120
Dichlorodifluoromethane	mg/kg	.05	0	.062	123		63	-	139
Ethylbenzene	mg/kg	.05	0	.054	107		80	-	120
Hexachlorobutadiene	mg/kg	.05	0	.054	108		73	-	131
Isopropylbenzene (Cumene)	mg/kg	.05	0	.054	107		80	-	122
Methyl Acetate	mg/kg	.05	0	.042	84		41	-	164
Methyl iodide	mg/kg	.05	0	.068	136		52	-	145
Methylcyclohexane	mg/kg	.05	0	.055	109		79	-	122
Methylene chloride	mg/kg	.05	0	.047	93		64	-	138
Naphthalene	mg/kg	.05	0	.049	98		62	-	146
Styrene	mg/kg	.05	0	.054	108		80	-	120
Tetrachloroethene	mg/kg	.05	0	.056	112		76	-	126
Toluene	mg/kg	.05	0	.05	100		80	-	120
Trichloroethene	mg/kg	.05	0	.056	112		78	-	120
Trichlorofluoromethane	mg/kg	.05	0	.064	127		68	-	135
Trichlorotrifluoroethane	mg/kg	.05	0	.056	112		71	-	137
Vinyl acetate	mg/kg	.05	0	.057	115		59	-	146
Vinyl chloride	mg/kg	.05	0	.055	111		72	-	134
Xylene (total)	mg/kg	.15	0	.161	107		80	-	120
cis-1,2-Dichloroethene	mg/kg	.05	0	.051	101		73	-	131
cis-1,3-Dichloropropene	mg/kg	.05	0	.055	111		80	-	120
m,p-Xylene	mg/kg	.1	0	.108	108		80	-	121
n-Butylbenzene	mg/kg	.05	0	.053	105		80	-	126
n-Propylbenzene	mg/kg	.05	0	.051	102		80	-	124
o-Xylene	mg/kg	.05	0	.054	108		80	-	122
sec-Butylbenzene	mg/kg	.05	0	.05	101		80	-	123
tert-Butyl methyl ether (MTBE)	mg/kg	.05	0	.046	92		71	-	130
tert-Butylbenzene	mg/kg	.05	0	.05	99		80	-	123
trans-1,2-Dichloroethene	mg/kg	.05	0	.054	107		71	-	134
trans-1,3-Dichloropropene	mg/kg	.05	0	.055	110		80	-	123
trans-1,4-Dichloro-2-butene	mg/kg	.05	0	.052	104		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: 0 out of 146 outside limits

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Method: SW-846 8260

Analytical Batch: 375350

SAMPLE NO : 613075

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	#	*% RPD*	#	*QC. LIMITS REC*	*RPD*
1,1,1,2-Tetrachloroethane	mg/kg	.05	.049	97		6		80 - 120	0 - 30
1,1,1-Trichloroethane	mg/kg	.05	.05	100		8		74 - 125	0 - 30
1,1,2,2-Tetrachloroethane	mg/kg	.05	.049	97		4		75 - 134	0 - 30
1,1,2-Trichloroethane	mg/kg	.05	.051	101		4		80 - 121	0 - 30
1,1-Dichloroethane	mg/kg	.05	.049	98		8		73 - 131	0 - 30
1,1-Dichloroethene	mg/kg	.05	.055	109		5		73 - 134	0 - 22
1,1-Dichloropropene	mg/kg	.05	.05	100		8		79 - 124	0 - 30
1,2,3-Trichloropropane	mg/kg	.05	.05	100		6		76 - 135	0 - 30
1,2,4-Trichlorobenzene	mg/kg	.05	.056	111		4		79 - 129	0 - 30
1,2,4-Trimethylbenzene	mg/kg	.05	.047	94		6		80 - 122	0 - 30
1,2-Dibromo-3-chloropropane	mg/kg	.05	.049	97		6		60 - 146	0 - 30
1,2-Dibromoethane	mg/kg	.05	.048	97		12		79 - 123	0 - 30
1,2-Dichlorobenzene	mg/kg	.05	.05	100		4		80 - 120	0 - 30
1,2-Dichloroethane	mg/kg	.05	.046	92		6		76 - 125	0 - 30
1,2-Dichloropropane	mg/kg	.05	.05	100		6		80 - 121	0 - 30
1,3,5-Trimethylbenzene	mg/kg	.05	.047	95		8		80 - 122	0 - 30
1,3-Dichlorobenzene	mg/kg	.05	.05	99		6		80 - 120	0 - 30
1,3-Dichloropropane	mg/kg	.05	.049	99		8		80 - 122	0 - 30
1,4-Dichlorobenzene	mg/kg	.05	.049	97		4		80 - 120	0 - 30
2,2-Dichloropropane	mg/kg	.05	.045	89		14		68 - 130	0 - 30
2-Butanone	mg/kg	.05	.046	91		10		45 - 170	0 - 30
2-Chlorotoluene	mg/kg	.05	.047	94		6		80 - 123	0 - 30
2-Hexanone	mg/kg	.05	.042	84		7		56 - 153	0 - 30
4-Chlorotoluene	mg/kg	.05	.047	93		6		80 - 121	0 - 30
4-Isopropyltoluene	mg/kg	.05	.048	96		8		80 - 123	0 - 30
4-Methyl-2-pentanone	mg/kg	.05	.045	90		4		56 - 147	0 - 30
Acetone	mg/kg	.05	.053	106		9		18 - 201	0 - 30
Acrolein	mg/kg	.25	.236	94		6		40 - 164	0 - 30
Acrylonitrile	mg/kg	.25	.254	102		4		53 - 153	0 - 30
Benzene	mg/kg	.05	.05	100		6		80 - 120	0 - 21
Bromobenzene	mg/kg	.05	.046	92		6		80 - 125	0 - 30
Bromodichloromethane	mg/kg	.05	.051	103		4		80 - 120	0 - 30
Bromoform	mg/kg	.05	.054	108		5		74 - 125	0 - 30
Bromomethane	mg/kg	.05	.065	130		6		44 - 163	0 - 30
Carbon disulfide	mg/kg	.05	.051	103		9		69 - 135	0 - 30
Carbon tetrachloride	mg/kg	.05	.044	88		19		75 - 123	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: 0 out of 146 outside limits

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Method: SW-846 8260

Analytical Batch: 375350

Chlorobenzene	mg/kg	.05	.05	100		6		80 - 120	0 - 21
Chloroethane	mg/kg	.05	.061	121		11		47 - 155	0 - 30
Chloroform	mg/kg	.05	.047	94		4		72 - 127	0 - 30
Chloromethane	mg/kg	.05	.047	94		6		59 - 150	0 - 30
Cyclohexane	mg/kg	.05	.049	98		8		61 - 143	0 - 30
Dibromochloromethane	mg/kg	.05	.052	105		7		80 - 122	0 - 30
Dibromomethane	mg/kg	.05	.046	91		4		79 - 120	0 - 30
Dichlorodifluoromethane	mg/kg	.05	.056	111		10		63 - 139	0 - 30
Ethylbenzene	mg/kg	.05	.05	100		8		80 - 120	0 - 30
Hexachlorobutadiene	mg/kg	.05	.051	102		6		73 - 131	0 - 30
Isopropylbenzene (Cumene)	mg/kg	.05	.05	101		8		80 - 122	0 - 30
Methyl Acetate	mg/kg	.05	.043	85		2		41 - 164	0 - 30
Methyl iodide	mg/kg	.05	.06	120		13		52 - 145	0 - 30
Methylcyclohexane	mg/kg	.05	.05	100		10		79 - 122	0 - 30
Methylene chloride	mg/kg	.05	.044	88		7		64 - 138	0 - 30
Naphthalene	mg/kg	.05	.05	100		2		62 - 146	0 - 30
Styrene	mg/kg	.05	.051	102		6		80 - 120	0 - 30
Tetrachloroethene	mg/kg	.05	.051	102		9		76 - 126	0 - 30
Toluene	mg/kg	.05	.047	93		6		80 - 120	0 - 21
Trichloroethene	mg/kg	.05	.052	103		7		78 - 120	0 - 24
Trichlorofluoromethane	mg/kg	.05	.058	115		10		68 - 135	0 - 30
Trichlorotrifluoroethane	mg/kg	.05	.051	102		9		71 - 137	0 - 30
Vinyl acetate	mg/kg	.05	.054	107		5		59 - 146	0 - 30
Vinyl chloride	mg/kg	.05	.05	100		10		72 - 134	0 - 30
Xylene (total)	mg/kg	.15	.152	101		6		80 - 120	0 - 30
cis-1,2-Dichloroethene	mg/kg	.05	.047	94		8		73 - 131	0 - 30
cis-1,3-Dichloropropene	mg/kg	.05	.052	103		6		80 - 120	0 - 30
m,p-Xylene	mg/kg	.1	.101	101		7		80 - 121	0 - 30
n-Butylbenzene	mg/kg	.05	.049	97		8		80 - 126	0 - 30
n-Propylbenzene	mg/kg	.05	.047	94		8		80 - 124	0 - 30
o-Xylene	mg/kg	.05	.051	102		6		80 - 122	0 - 30
sec-Butylbenzene	mg/kg	.05	.047	93		6		80 - 123	0 - 30
tert-Butyl methyl ether (MTBE)	mg/kg	.05	.041	82		11		71 - 130	0 - 30
tert-Butylbenzene	mg/kg	.05	.046	92		8		80 - 123	0 - 30
trans-1,2-Dichloroethene	mg/kg	.05	.05	99		8		71 - 134	0 - 30
trans-1,3-Dichloropropene	mg/kg	.05	.051	101		8		80 - 123	0 - 30
trans-1,4-Dichloro-2-butene	mg/kg	.05	.05	101		4		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: 0 out of 146 outside limits

FORM III VOA-2

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Analytical Batch: 375282

SAMPLE NO. : 612774

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	#	*QC. LIMITS*
1,1,1,2-Tetrachloroethane	mg/L	.05	0	.048	96		80 - 125
1,1,1-Trichloroethane	mg/L	.05	0	.052	104		76 - 122
1,1,2,2-Tetrachloroethane	mg/L	.05	0	.054	109		71 - 143
1,1,2-Trichloroethane	mg/L	.05	0	.052	103		77 - 130
1,1-Dichloroethane	mg/L	.05	0	.049	97		77 - 121
1,1-Dichloroethene	mg/L	.05	0	.051	103		76 - 127
1,1-Dichloropropene	mg/L	.05	0	.051	102		79 - 121
1,2,3-Trichloropropane	mg/L	.05	0	.055	109		72 - 141
1,2,4-Trichlorobenzene	mg/L	.05	0	.053	106		76 - 137
1,2,4-Trimethylbenzene	mg/L	.05	0	.05	101		80 - 133
1,2-Dibromo-3-chloropropane	mg/L	.05	0	.053	106		63 - 138
1,2-Dibromoethane	mg/L	.05	0	.052	103		79 - 131
1,2-Dichlorobenzene	mg/L	.05	0	.053	105		80 - 125
1,2-Dichloroethane	mg/L	.05	0	.05	101		75 - 122
1,2-Dichloropropane	mg/L	.05	0	.05	99		78 - 121
1,3,5-Trimethylbenzene	mg/L	.05	0	.053	105		80 - 131
1,3-Dichlorobenzene	mg/L	.05	0	.053	105		80 - 127
1,3-Dichloropropane	mg/L	.05	0	.051	101		80 - 128
1,4-Dichlorobenzene	mg/L	.05	0	.052	104		80 - 127
2,2-Dichloropropane	mg/L	.05	0	.057	114		69 - 130
2-Butanone	mg/L	.05	0	.058	116		51 - 157
2-Chloroethylvinyl ether	mg/L	.05	0	.053	107		48 - 143
2-Chlorotoluene	mg/L	.05	0	.052	105		80 - 132
2-Hexanone	mg/L	.05	0	.052	104		54 - 155
4-Chlorotoluene	mg/L	.05	0	.051	101		80 - 131
4-Isopropyltoluene	mg/L	.05	0	.05	99		80 - 133
4-Methyl-2-pentanone	mg/L	.05	0	.054	108		57 - 138
Acetone	mg/L	.05	0	.057	114		38 - 157
Acrolein	mg/L	.25	0	.203	81		30 - 175
Acrylonitrile	mg/L	.25	0	.244	98		61 - 139
Benzene	mg/L	.05	0	.054	109		80 - 120
Bromobenzene	mg/L	.05	0	.053	106		78 - 134
Bromodichloromethane	mg/L	.05	0	.056	112		77 - 120
Bromoform	mg/L	.05	0	.054	108		73 - 130
Bromomethane	mg/L	.05	0	.035	69		34 - 172

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: 0 out of 146 outside limits

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Analytical Batch: 375282

Carbon disulfide	mg/L	.05	0	.053	106		71	-	129
Carbon tetrachloride	mg/L	.05	0	.054	108		73	-	125
Chlorobenzene	mg/L	.05	0	.048	97		80	-	125
Chloroethane	mg/L	.05	0	.057	114		61	-	139
Chloroform	mg/L	.05	0	.05	101		75	-	120
Chloromethane	mg/L	.05	0	.043	86		63	-	133
Cyclohexane	mg/L	.05	0	.052	104		71	-	127
Dibromochloromethane	mg/L	.05	0	.05	99		78	-	130
Dibromomethane	mg/L	.05	0	.054	107		77	-	120
Ethylbenzene	mg/L	.05	0	.054	107		80	-	125
Hexachlorobutadiene	mg/L	.05	0	.054	108		79	-	133
Isopropylbenzene (Cumene)	mg/L	.05	0	.05	100		80	-	127
Methyl Acetate	mg/L	.05	0	.052	105		55	-	134
Methyl iodide	mg/L	.05	0	.038	75		43	-	157
Methylcyclohexane	mg/L	.05	0	.055	109		77	-	123
Methylene chloride	mg/L	.05	0	.049	98		61	-	133
Naphthalene	mg/L	.05	0	.054	107		67	-	149
Styrene	mg/L	.05	0	.051	103		80	-	129
Tetrachloroethene	mg/L	.05	0	.053	106		77	-	129
Toluene	mg/L	.05	0	.053	105		80	-	124
Trichloroethene	mg/L	.05	0	.05	100		79	-	121
Trichlorofluoromethane	mg/L	.05	0	.055	110		62	-	140
Trichlorotrifluoroethane	mg/L	.05	0	.054	107		72	-	130
Vinyl acetate	mg/L	.05	0	.065	130		66	-	145
Vinyl chloride	mg/L	.05	0	.049	97		69	-	130
Xylene (total)	mg/L	.15	0	.151	101		80	-	129
cis-1,2-Dichloroethene	mg/L	.05	0	.056	111		78	-	124
cis-1,3-Dichloropropene	mg/L	.05	0	.056	112		76	-	121
m,p-Xylene	mg/L	.1	0	.101	101		80	-	129
n-Butylbenzene	mg/L	.05	0	.053	106		80	-	133
n-Propylbenzene	mg/L	.05	0	.053	106		80	-	132
o-Xylene	mg/L	.05	0	.05	99		80	-	131
sec-Butylbenzene	mg/L	.05	0	.052	103		80	-	132
tert-Butyl methyl ether (MTBE)	mg/L	.05	0	.056	112		72	-	127
tert-Butylbenzene	mg/L	.05	0	.06	119		80	-	129
trans-1,2-Dichloroethene	mg/L	.05	0	.053	106		73	-	128
trans-1,3-Dichloropropene	mg/L	.05	0	.051	102		75	-	128
trans-1,4-Dichloro-2-butene	mg/L	.05	0	.058	117		64	-	148

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: 0 out of 146 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.: 208060522

Analytical Batch: 375282

SAMPLE NO. : 612775

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	#	*% RPD*	#	*QC. LIMITS REC*	*RPD*
1,1,1,2-Tetrachloroethane	mg/L	.05	.046	92		4		80 - 125	0 - 30
1,1,1-Trichloroethane	mg/L	.05	.049	97		6		76 - 122	0 - 30
1,1,2,2-Tetrachloroethane	mg/L	.05	.053	105		2		71 - 143	0 - 30
1,1,2-Trichloroethane	mg/L	.05	.049	99		6		77 - 130	0 - 30
1,1-Dichloroethane	mg/L	.05	.045	89		9		77 - 121	0 - 30
1,1-Dichloroethene	mg/L	.05	.049	97		4		76 - 127	0 - 14
1,1-Dichloropropene	mg/L	.05	.046	92		10		79 - 121	0 - 30
1,2,3-Trichloropropane	mg/L	.05	.055	110		0		72 - 141	0 - 30
1,2,4-Trichlorobenzene	mg/L	.05	.05	101		6		76 - 137	0 - 30
1,2,4-Trimethylbenzene	mg/L	.05	.05	100		0		80 - 133	0 - 30
1,2-Dibromo-3-chloropropane	mg/L	.05	.054	108		2		63 - 138	0 - 30
1,2-Dibromoethane	mg/L	.05	.05	100		4		79 - 131	0 - 30
1,2-Dichlorobenzene	mg/L	.05	.052	103		2		80 - 125	0 - 30
1,2-Dichloroethane	mg/L	.05	.046	92		8		75 - 122	0 - 30
1,2-Dichloropropane	mg/L	.05	.045	90		11		78 - 121	0 - 30
1,3,5-Trimethylbenzene	mg/L	.05	.05	100		6		80 - 131	0 - 30
1,3-Dichlorobenzene	mg/L	.05	.051	102		4		80 - 127	0 - 30
1,3-Dichloropropane	mg/L	.05	.049	98		4		80 - 128	0 - 30
1,4-Dichlorobenzene	mg/L	.05	.051	102		2		80 - 127	0 - 30
2,2-Dichloropropane	mg/L	.05	.052	104		9		69 - 130	0 - 30
2-Butanone	mg/L	.05	.054	108		7		51 - 157	0 - 30
2-Chloroethylvinyl ether	mg/L	.05	.052	105		2		48 - 143	0 - 30
2-Chlorotoluene	mg/L	.05	.047	95		10		80 - 132	0 - 30
2-Hexanone	mg/L	.05	.053	107		2		54 - 155	0 - 30
4-Chlorotoluene	mg/L	.05	.049	97		4		80 - 131	0 - 30
4-Isopropyltoluene	mg/L	.05	.049	98		2		80 - 133	0 - 30
4-Methyl-2-pentanone	mg/L	.05	.052	105		4		57 - 138	0 - 30
Acetone	mg/L	.05	.057	113		0		38 - 157	0 - 30
Acrolein	mg/L	.25	.202	81		.5		30 - 175	0 - 30
Acrylonitrile	mg/L	.25	.243	97		.4		61 - 139	0 - 30
Benzene	mg/L	.05	.05	100		8		80 - 120	0 - 11
Bromobenzene	mg/L	.05	.05	101		6		78 - 134	0 - 30
Bromodichloromethane	mg/L	.05	.05	99		11		77 - 120	0 - 30
Bromoform	mg/L	.05	.053	107		2		73 - 130	0 - 30
Bromomethane	mg/L	.05	.036	72		3		34 - 172	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: 0 out of 146 outside limits

FORM III VOA-1

170091

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Analytical Batch: 375282

Carbon disulfide	mg/L	.05	.047	94		12		71 - 129	0 - 30
Carbon tetrachloride	mg/L	.05	.049	99		10		73 - 125	0 - 30
Chlorobenzene	mg/L	.05	.047	94		2		80 - 125	0 - 13
Chloroethane	mg/L	.05	.051	102		11		61 - 139	0 - 30
Chloroform	mg/L	.05	.047	94		6		75 - 120	0 - 30
Chloromethane	mg/L	.05	.04	79		7		63 - 133	0 - 30
Cyclohexane	mg/L	.05	.048	97		8		71 - 127	0 - 30
Dibromochloromethane	mg/L	.05	.048	96		4		78 - 130	0 - 30
Dibromomethane	mg/L	.05	.049	98		10		77 - 120	0 - 30
Ethylbenzene	mg/L	.05	.05	101		8		80 - 125	0 - 30
Hexachlorobutadiene	mg/L	.05	.051	102		6		79 - 133	0 - 30
Isopropylbenzene (Cumene)	mg/L	.05	.048	95		4		80 - 127	0 - 30
Methyl Acetate	mg/L	.05	.051	101		2		55 - 134	0 - 30
Methyl iodide	mg/L	.05	.04	80		5		43 - 157	0 - 30
Methylcyclohexane	mg/L	.05	.049	97		12		77 - 123	0 - 30
Methylene chloride	mg/L	.05	.043	86		13		61 - 133	0 - 30
Naphthalene	mg/L	.05	.054	107		0		67 - 149	0 - 35
Styrene	mg/L	.05	.049	97		4		80 - 129	0 - 30
Tetrachloroethene	mg/L	.05	.049	98		8		77 - 129	0 - 30
Toluene	mg/L	.05	.05	100		6		80 - 124	0 - 13
Trichloroethene	mg/L	.05	.048	95		4		79 - 121	0 - 14
Trichlorofluoromethane	mg/L	.05	.05	101		10		62 - 140	0 - 30
Trichlorotrifluoroethane	mg/L	.05	.05	99		8		72 - 130	0 - 30
Vinyl acetate	mg/L	.05	.055	110		17		66 - 145	0 - 30
Vinyl chloride	mg/L	.05	.045	90		9		69 - 130	0 - 30
Xylene (total)	mg/L	.15	.145	97		4		80 - 129	0 - 30
cis-1,2-Dichloroethene	mg/L	.05	.052	104		7		78 - 124	0 - 30
cis-1,3-Dichloropropene	mg/L	.05	.052	103		7		76 - 121	0 - 30
m,p-Xylene	mg/L	.1	.097	97		4		80 - 129	0 - 30
n-Butylbenzene	mg/L	.05	.051	101		4		80 - 133	0 - 30
n-Propylbenzene	mg/L	.05	.05	100		6		80 - 132	0 - 30
o-Xylene	mg/L	.05	.048	97		4		80 - 131	0 - 30
sec-Butylbenzene	mg/L	.05	.049	98		6		80 - 132	0 - 30
tert-Butyl methyl ether (MTBE)	mg/L	.05	.049	98		13		72 - 127	0 - 30
tert-Butylbenzene	mg/L	.05	.048	97		22		80 - 129	0 - 30
trans-1,2-Dichloroethene	mg/L	.05	.047	94		12		73 - 128	0 - 30
trans-1,3-Dichloropropene	mg/L	.05	.049	98		4		75 - 128	0 - 30
trans-1,4-Dichloro-2-butene	mg/L	.05	.056	112		4		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 73 outside limits

Spike Recovery: 0 out of 146 outside limits

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 4WSED3 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Method: SW-846 8260

Analytical Batch: 375306

SAMPLE NO : 20806052206

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*#*	*QC. LIMITS*
2-Chloroethylvinyl ether	mg/kg	2.74	0	2.93	107		60 - 135

SAMPLE NO : 20806052207

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	*#*	*% RPD*	*#*	*QC. LIMITS REC*	*RPD*
2-Chloroethylvinyl ether	mg/kg	2.79	2.69	97		8		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

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Method: SW-846 8260

Analytical Batch: 375306

SAMPLE NO : 612835

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	#	*QC. LIMITS*
2-Chloroethylvinyl ether	mg/kg	2.5	0	2.67	107		60 - 135

SAMPLE NO : 612836

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	#	*% RPD*	#	*QC. LIMITS REC*	*RPD*
2-Chloroethylvinyl ether	mg/kg	2.5	2.62	105		2		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

170094

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB612834

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Lab File ID: 2080610/h4730s

Lab Sample ID: 612834 Date Extracted:

GC Column: DB-VRX-30 ID: .53 (mm) Date Analyzed: 06/10/08 Time: 1007

Instrument ID: MSV5 Matrix: Soil Heated Purge: Y

Level: LOW

Prep Batch: Analytical Batch: 375306

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS612835	612835	2080610/h4728s	06/10/08	0921
2.	LCSD612836	612836	2080610/h4729s	06/10/08	0944
3.	4WSED3 (0-0.5)	20806052205	2080610/h4737s	06/10/08	1249
4.	4WSED3 (0-0.5) MS	20806052206	2080610/h4738s	06/10/08	1312
5.	4WSED3 (0-0.5) MSD	20806052207	2080610/h4739	06/10/08	1334
6.	4WSED2 (0-0.5)	20806052208	2080610/h4745s	06/10/08	1552
7.	SE600	20806052209	2080610/h4746s	06/10/08	1615
8.	SWSED8 (1-2)	20806052210	2080610/h4747s	06/10/08	1638
9.	2WSED10 (1-2)	20806052211	2080610/h4748s	06/10/08	1701

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB612773

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Lab File ID: 2080610/h4731 Lab Sample ID: 612773 Date Extracted:

GC Column: DB-VRX-30 ID: .53 (mm) Date Analyzed: 06/10/08 Time: 1031

Instrument ID: MSV5 Matrix: Water Heated Purge: N

Level: LOW

Prep Batch: Analytical Batch: 375282

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS612774	612774	2080610/h4728L	06/10/08	0921
2.	LCSD612775	612775	2080610/h4729	06/10/08	0944
3.	SE-060408-EB	20806052212	2080610/h4732	06/10/08	1055
4.	SE-060408-FB	20806052213	2080610/h4733	06/10/08	1118
5.	TRIP BLANK-1	20806052214	2080610/h4734	06/10/08	1141
6.	TRIP BLANK-2	20806052215	2080610/h4735	06/10/08	1204
7.	TRIP BLANK-3	20806052216	2080610/h4736	06/10/08	1227

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB613073

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Lab File ID: 2080610/x8874

Lab Sample ID: 613073 Date Extracted:

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

Date Analyzed: 06/10/08 Time: 1336

Instrument ID: MSV0 Matrix: Soil

Heated Purge: Y

Level: LOW

Prep Batch: Analytical Batch: 375350

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS613074	613074	2080610/x8870	06/10/08	1202
2.	LCSD613075	613075	2080610/x8871	06/10/08	1225
3.	4WSED3 (0-0.5)	20806052205	2080610/x8875	06/10/08	1414
4.	4WSED2 (0-0.5)	20806052208	2080610/x8876	06/10/08	1438
5.	SE600	20806052209	2080610/x8877	06/10/08	1502
6.	4WSED3 (0-0.5) MS	20806052206	2080610/x8878m	06/10/08	1526
7.	4WSED3 (0-0.5) MSD	20806052207	2080610/x8879m	06/10/08	1550
8.	SWSED8 (1-2)	20806052210	2080610/x8881	06/10/08	1638
9.	2WSED10 (1-2)	20806052211	2080610/x8882	06/10/08	1701

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Lab File ID: 2080607p/x8798 BFB Injection Date: 06/07/08

Instrument ID: MSV0 BFB Injection Time: 2042

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

Analytical Batch: 375190

m / e	ION ABUNDANCE CRITERIA	% Relative Abundance			
50	15.0 - 40.0% of mass 95	22.38	(	)	
75	30.0 - 60.0% of mass 95	45.56	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.56	(	)	
173	Less than 2.0% of mass 174	0	(0	)	1
174	50.0 - 120.0% of mass 95	68.54	(	)	
175	5.0 - 9.0% of mass 174	4.8	(7.01	)	1
176	95.0 - 101.0% of mass 174	66.36	(96.83	)	1
177	5.0 - 9.0% of mass 176	4.18	(6.3	)	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	2080607p/x8800	06/07/08	2151
2.	V0STD005	1201	2080607p/x8801	06/07/08	2213
3.	V0STD010	1207	2080607p/x8802	06/07/08	2236
4.	V0STD020	1202	2080607p/x8803	06/07/08	2259
5.	V0STD050	1203	2080607p/x8804	06/07/08	2322
6.	V0STD100	1204	2080607p/x8805	06/07/08	2345
7.	V0STD200	1205	2080607p/x8806	06/08/08	0007
8.	8260ICV	1600	2080607p/x8809	06/08/08	0115

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Lab File ID: 2080610/x8867 BFB Injection Date: 06/10/08

Instrument ID: MSV0 BFB Injection Time: 0958

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

Analytical Batch: 375350

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	21.71	(	)	
75	30.0 - 60.0% of mass 95	45.87	(	)	
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	68.24	(	)	
175	5.0 - 9.0% of mass 174	4.68	(6.86	)	1
176	95.0 - 101.0% of mass 174	66.22	(97.05	)	1
177	5.0 - 9.0% of mass 176	4.17	(6.31	)	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.	V0STD050	1400	2080610/x8869	06/10/08	1125
2.	LCS613074	613074	2080610/x8870	06/10/08	1202
3.	LCSD613075	613075	2080610/x8871	06/10/08	1225
4.	MB613073	613073	2080610/x8874	06/10/08	1336
5.	4WSED3 (0-0.5)	20806052205	2080610/x8875	06/10/08	1414
6.	4WSED2 (0-0.5)	20806052208	2080610/x8876	06/10/08	1438
7.	SE600	20806052209	2080610/x8877	06/10/08	1502
8.	4WSED3 (0-0.5) MS	20806052206	2080610/x8878m	06/10/08	1526
9.	4WSED3 (0-0.5) MSD	20806052207	2080610/x8879m	06/10/08	1550
10.	SWSED8 (1-2)	20806052210	2080610/x8881	06/10/08	1638
11.	2WSED10 (1-2)	20806052211	2080610/x8882	06/10/08	1701

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Lab File ID: 2080608p/h4663 BFB Injection Date: 06/08/08

Instrument ID: MSV5 BFB Injection Time: 1155

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

Analytical Batch: 375305

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	19.57	(	)	
75	30.0 - 60.0% of mass 95	42.87	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.73	(	)	
173	Less than 2.0% of mass 174	0	(0	)	1
174	50.0 - 120.0% of mass 95	67.59	(	)	
175	5.0 - 9.0% of mass 174	4.56	(6.76	)	1
176	95.0 - 101.0% of mass 174	65.6	(97.07	)	1
177	5.0 - 9.0% of mass 176	4.46	(6.81	)	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.	V5APP9STD001	1207	2080608p/h4664	06/08/08	1249
2.	V5APP9STD005	1201	2080608p/h4665	06/08/08	1317
3.	V5APP9STD010	1208	2080608p/h4666	06/08/08	1356
4.	V5APP9STD020	1202	2080608p/h4667	06/08/08	1523
5.	V5APP9STD050	1203	2080608p/h4668	06/08/08	1556
6.	V5APP9STD100	1204	2080608p/h4669	06/08/08	1625
7.	V5APP9STD200	1205	2080608p/h4670	06/08/08	1650
8.	APP9ICV	1600	2080608p/h4672	06/08/08	1821

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Lab File ID: 2080608q/h4673 BFB Injection Date: 06/08/08

Instrument ID: MSV5 BFB Injection Time: 1902

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

Analytical Batch: 375198

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	19.84	(	)	
75	30.0 - 60.0% of mass 95	43.74	(	)	
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	0	(0	)	1
174	50.0 - 120.0% of mass 95	67.72	(	)	
175	5.0 - 9.0% of mass 174	5.39	(7.97	)	1
176	95.0 - 101.0% of mass 174	67.34	(99.45	)	1
177	5.0 - 9.0% of mass 176	3.83	(5.7	)	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.	V5STD0.20	1206	2080608q/h4674	06/08/08	1949
2.	V5STD0.40	1209	2080608q/h4675	06/08/08	2030
3.	V5STD001	1207	2080608q/h4676	06/08/08	2102
4.	V5STD005	1201	2080608q/h4677	06/08/08	2125
5.	V5STD010	1208	2080608q/h4678	06/08/08	2148
6.	V5STD020	1202	2080608q/h4679	06/08/08	2211
7.	V5STD050	1203	2080608q/h4680	06/08/08	2233
8.	V5STD100	1204	2080608q/h4681	06/08/08	2256
9.	V5STD200	1205	2080608q/h4682	06/08/08	2319
10.	8260ICV	1600	2080608q/h4684	06/09/08	0005

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Lab File ID: 2080610/h4723 BFB Injection Date: 06/10/08

Instrument ID: MSV5 BFB Injection Time: 0703

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

Analytical Batch: 375282

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	19.04	(	)	
75	30.0 - 60.0% of mass 95	40.47	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.76	(	)	
173	Less than 2.0% of mass 174	.08	(.12	)	1
174	50.0 - 120.0% of mass 95	67.46	(	)	
175	5.0 - 9.0% of mass 174	5.46	(8.1	)	1
176	95.0 - 101.0% of mass 174	67.08	(99.45	)	1
177	5.0 - 9.0% of mass 176	3.89	(5.81	)	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.	V5APP9050	1400	2080610/h4724	06/10/08	0743
2.	V5EXX050	1400	2080610/h4727	06/10/08	0851
3.	V5STD050	1400	2080610/h4728	06/10/08	0921
4.	LCS612774	612774	2080610/h4728L	06/10/08	0921
5.	LCSD612775	612775	2080610/h4729	06/10/08	0944
6.	MB612773	612773	2080610/h4731	06/10/08	1031
7.	SE-060408-EB	20806052212	2080610/h4732	06/10/08	1055
8.	SE-060408-FB	20806052213	2080610/h4733	06/10/08	1118
9.	TRIP BLANK-1	20806052214	2080610/h4734	06/10/08	1141
10.	TRIP BLANK-2	20806052215	2080610/h4735	06/10/08	1204
11.	TRIP BLANK-3	20806052216	2080610/h4736	06/10/08	1227

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Lab File ID: 2080610/h4723s BFB Injection Date: 06/10/08

Instrument ID: MSV5 BFB Injection Time: 0703

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

Analytical Batch: 375306

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	19.04	(	)	
75	30.0 - 60.0% of mass 95	40.47	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.76	(	)	
173	Less than 2.0% of mass 174	.08	(.12	)	1
174	50.0 - 120.0% of mass 95	67.46	(	)	
175	5.0 - 9.0% of mass 174	5.46	(8.1	)	1
176	95.0 - 101.0% of mass 174	67.08	(99.45	)	1
177	5.0 - 9.0% of mass 176	3.89	(5.81	)	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.	V5APP9050	1400	2080610/h4724s	06/10/08	0743
2.	V5STD050	1400	2080610/h4728s	06/10/08	0921
3.	LCS612835	612835	2080610/h4728s	06/10/08	0921
4.	LCSD612836	612836	2080610/h4729s	06/10/08	0944
5.	MB612834	612834	2080610/h4730s	06/10/08	1007
6.	4WSED3 (0-0.5)	20806052205	2080610/h4737s	06/10/08	1249
7.	4WSED3 (0-0.5) MS	20806052206	2080610/h4738s	06/10/08	1312
8.	4WSED3 (0-0.5) MSD	20806052207	2080610/h4739	06/10/08	1334
9.	4WSED2 (0-0.5)	20806052208	2080610/h4745s	06/10/08	1552
10.	SE600	20806052209	2080610/h4746s	06/10/08	1615
11.	SWSED8 (1-2)	20806052210	2080610/h4747s	06/10/08	1638
12.	2WSED10 (1-2)	20806052211	2080610/h4748s	06/10/08	1701

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMAR

Lab Name: GCAL | **Contract:**

Lab Code: LA024 | **Case No.:** | **SAS No.:** | **SDG No.:** 208060522

Lab File ID (Standard): 2080610/h4724 | **Date Analyzed:** 06/10/08

Instrument ID: MSV5 | **Time:** 0743

GC Column: DB-VRX-30 | **ID:** .53 (mm) | **Heated Purge: (Y/N)** N

Analytical Batch: 375282

	IS 1		IS 2		IS 3	
	Area	RT	Area	RT	Area	RT
STANDARD	265726	9.92	185367	12	592063	7.13

	EPA Sample	IS 1 Area	#	IS 1 RT	#	IS 2 Area	#	IS 2 RT	#	IS 3 Area	#	IS 3 RT	#
1.	LCS612774	255609		9.92		184113		12.01		556783		7.13	
2.	LCSD612775	251639		9.92		178716		12.01		568069		7.13	
3.	MB612773	244026		9.92		172025		12.01		548622		7.13	
4.	SE-060408-EB	236195		9.92		162717		12.01		540617		7.13	
5.	SE-060408-FB	244813		9.92		173342		12.01		572432		7.13	
6.	TRIP BLANK-1	241163		9.92		166452		12.01		548946		7.13	
7.	TRIP BLANK-2	230526		9.92		170527		12.01		559421		7.13	
8.	TRIP BLANK-3	230329		9.92		166526		12.01		531435		7.13	

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 = -70% 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 SUMMAR

Lab Name: GCAL | Contract:

Lab Code: LA024 | Case No.: | SAS No.: | SDG No.: 208060522

Lab File ID (Standard): 2080610/h4724s | Date Analyzed: 06/10/08

Instrument ID: MSV5 | Time: 0743

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

Analytical Batch: 375306

	IS 1 Area		IS 1 RT		IS 2 Area		IS 2 RT		IS 3 Area		IS 3 RT	
STANDARD	265726		9.92		185367		12		592063		7.13	
EPA Sample		#		#		#		#		#		#
1. LCS612835	255609		9.92		184113		12.01		556783		7.13	
2. 2WSED10 (1-2)	245297		9.92		181921		12.02		574220		7.13	
3. LCSD612836	251639		9.92		178716		12.01		568069		7.13	
4. MB612834	249469		9.92		178308		12.01		576448		7.13	
5. 4WSED3 (0-0.5)	221368		9.92		169282		12.01		521726		7.13	
6. 4WSED3 (0-0.5) MS	222542		9.92		175731		12.01		519303		7.13	
7. 4WSED3 (0-0.5) MSD	236250		9.92		177214		12.01		559594		7.13	
8. 4WSED2 (0-0.5)	245450		9.93		176521		12		570613		7.13	
9. SE600	239677		9.92		174721		12.01		576016		7.13	
10. SWSED8 (1-2)	243379		9.92		183431		12.01		573843		7.13	

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 = -70% 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 SUMMAR

Lab Name: GCAL | **Contract:**

Lab Code: LA024 | **Case No.:** | **SAS No.:** | **SDG No.:** 208060522

Lab File ID (Standard): 2080610/x8869 | **Date Analyzed:** 06/10/08

Instrument ID: MSV0 | **Time:** 1125

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

Analytical Batch: 375350

	IS 1 Area		IS 1 RT		IS 2 Area		IS 2 RT		IS 3 Area		IS 3 RT	
STANDARD	559637		9.21		415426		11.21		1300238		6.41	
EPA Sample		#		#		#		#		#		#
1. LCS613074	531422		9.2		393336		11.21		1212573		6.4	
2. 2WSED10 (1-2)	538047		9.21		378211		11.21		1179430		6.41	
3. LCSD613075	564091		9.2		421890		11.21		1280351		6.41	
4. MB613073	492419		9.2		346459		11.21		1133433		6.41	
5. 4WSED3 (0-0.5)	550590		9.21		397003		11.21		1213898		6.41	
6. 4WSED2 (0-0.5)	450874		9.21		313717		11.21		1049075		6.41	
7. SE600	277234		9.21		126463		11.21		933138		6.41	
8. 4WSED3 (0-0.5) MS	429964		9.21		270416		11.21		1038677		6.41	
9. 4WSED3 (0-0.5) MSD	469831		9.21		351125		11.21		1053408		6.41	
10. SWSED8 (1-2)	492575		9.21		345769		11.21		1137045		6.41	

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 = -70% 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.

4WSED3 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.02 (g/ml) g

Lab Sample ID: 20806052205

Level: (low/med) LOW

Lab File ID: 2080610/x8875

% Moisture: not dec. 14.2

Date Collected: 06/04/08 Time: 1200

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

Date Received: 06/05/08

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1414

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

CONCENTRATION UNITS: mg/kg

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00580	U	0.000204	0.00580
71-55-6	1,1,1-Trichloroethane	0.00580	U	0.000143	0.00580
79-34-5	1,1,2,2-Tetrachloroethane	0.00580	U	0.000209	0.00580
79-00-5	1,1,2-Trichloroethane	0.00580	U	0.000132	0.00580
75-34-3	1,1-Dichloroethane	0.00580	U	0.000185	0.00580
75-35-4	1,1-Dichloroethene	0.00580	U	0.000417	0.00580
563-58-6	1,1-Dichloropropene	0.00580	U	0.000151	0.00580
96-18-4	1,2,3-Trichloropropane	0.00232	U	0.000284	0.00232
120-82-1	1,2,4-Trichlorobenzene	0.00580	U	0.000380	0.00580
95-63-6	1,2,4-Trimethylbenzene	0.00580	U	0.000230	0.00580
96-12-8	1,2-Dibromo-3-chloropropane	0.00580	U	0.00101	0.00580
106-93-4	1,2-Dibromoethane	0.00580	U	0.000174	0.00580
95-50-1	1,2-Dichlorobenzene	0.00580	U	0.000132	0.00580
107-06-2	1,2-Dichloroethane	0.00240	J	0.000132	0.00580
78-87-5	1,2-Dichloropropane	0.00580	U	0.000130	0.00580
108-67-8	1,3,5-Trimethylbenzene	0.00580	U	0.000189	0.00580
541-73-1	1,3-Dichlorobenzene	0.00580	U	0.000274	0.00580
142-28-9	1,3-Dichloropropane	0.00580	U	0.000158	0.00580
106-46-7	1,4-Dichlorobenzene	0.00580	U	0.000489	0.00580
594-20-7	2,2-Dichloropropane	0.00580	U	0.000204	0.00580
78-93-3	2-Butanone	0.00580	U	0.000362	0.00580
95-49-8	2-Chlorotoluene	0.00580	U	0.000174	0.00580
591-78-6	2-Hexanone	0.00580	U	0.000959	0.00580
106-43-4	4-Chlorotoluene	0.00580	U	0.000377	0.00580
99-87-6	4-Isopropyltoluene	0.00580	U	0.000187	0.00580
108-10-1	4-Methyl-2-pentanone	0.00580	U	0.000201	0.00580
67-64-1	Acetone	0.029	U	0.000434	0.029
107-02-8	Acrolein	0.029	U	0.00272	0.029
107-13-1	Acrylonitrile	0.029	U	0.000826	0.029
71-43-2	Benzene	0.00580	U	0.000121	0.00580
108-86-1	Bromobenzene	0.00580	U	0.000273	0.00580

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

4WSED3 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.02 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 14.2

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20806052205

Lab File ID: 2080610/x8875

Date Collected: 06/04/08 Time: 1200

Date Received: 06/05/08

Date Analyzed: 06/10/08 Time: 1414

Dilution Factor: 1 Analyst: JCK

Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-27-4	Bromodichloromethane	0.00580	U	0.000157	0.00580
75-25-2	Bromoform	0.00580	U	0.000196	0.00580
74-83-9	Bromomethane	0.00580	U	0.00175	0.00580
104-51-8	n-Butylbenzene	0.00580	U	0.000207	0.00580
75-15-0	Carbon disulfide	0.00580	U	0.000127	0.00580
56-23-5	Carbon tetrachloride	0.00580	U	0.000139	0.00580
108-90-7	Chlorobenzene	0.00580	U	0.000192	0.00580
75-00-3	Chloroethane	0.00580	U	0.000703	0.00580
67-66-3	Chloroform	0.00116	JB	0.000164	0.00580
74-87-3	Chloromethane	0.00580	U	0.000539	0.00580
110-82-7	Cyclohexane	0.00580	U	0.00128	0.00580
124-48-1	Dibromochloromethane	0.00580	U	0.000104	0.00580
74-95-3	Dibromomethane	0.00580	U	0.000181	0.00580
75-71-8	Dichlorodifluoromethane	0.00580	U	0.000423	0.00580
10061-01-5	cis-1,3-Dichloropropene	0.00580	U	0.000133	0.00580
10061-02-6	trans-1,3-Dichloropropene	0.00580	U	0.000164	0.00580
100-41-4	Ethylbenzene	0.00580	U	0.000240	0.00580
87-68-3	Hexachlorobutadiene	0.00580	U	0.00145	0.00580
98-82-8	Isopropylbenzene (Cumene)	0.00580	U	0.000178	0.00580
79-20-9	Methyl Acetate	0.00580	U	0.00177	0.00580
74-88-4	Methyl iodide	0.00580	U	0.00105	0.00580
108-87-2	Methylcyclohexane	0.00580	U	0.000429	0.00580
75-09-2	Methylene chloride	0.00463	JB	0.000556	0.012
91-20-3	Naphthalene	0.00580	U	0.000436	0.00580
100-42-5	Styrene	0.00580	U	0.000176	0.00580
127-18-4	Tetrachloroethene	0.00580	U	0.000223	0.00580
108-88-3	Toluene	0.00214	J	0.000638	0.00580
79-01-6	Trichloroethene	0.00580	U	0.000205	0.00580
75-69-4	Trichlorofluoromethane	0.00580	U	0.000293	0.00580
76-13-1	Trichlorotrifluoroethane	0.00580	U	0.000218	0.00580
108-05-4	Vinyl acetate	0.00580	U	0.00114	0.00580
75-01-4	Vinyl chloride	0.00580	U	0.000407	0.00580

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

4WSED3 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.02 (g/ml) g

Lab Sample ID: 20806052205

Level: (low/med) LOW

Lab File ID: 2080610/x8875

% Moisture: not dec. 14.2

Date Collected: 06/04/08 Time: 1200

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

Date Received: 06/05/08

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1414

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

CONCENTRATION UNITS: mg/kg

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.012	U	0.000664	0.012
156-59-2	cis-1,2-Dichloroethene	0.00580	U	0.000146	0.00580
136777-61-	m,p-Xylene	0.00580	U	0.000462	0.00580
103-65-1	n-Propylbenzene	0.00580	U	0.000163	0.00580
95-47-6	o-Xylene	0.00580	U	0.000202	0.00580
135-98-8	sec-Butylbenzene	0.00580	U	0.000136	0.00580
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00580	U	0.000085	0.00580
98-06-6	tert-Butylbenzene	0.00580	U	0.000293	0.00580
156-60-5	trans-1,2-Dichloroethene	0.00580	U	0.000190	0.00580
110-57-6	trans-1,4-Dichloro-2-butene	0.00580	U	0.000837	0.00580

GCAL, Inc.

Data file : /var/chem/msv0.i/2080610.b/x8875.d
Lab Smp Id: 20806052205
Inj Date : 10-JUN-2008 14:14
Operator : JCK Inst ID: msv0.i
Smp Info : 20806052205*
Misc Info : MSV~13461~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080610.b/8260Bs0.m
Meth Date : 10-Jun-2008 16:13 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 00:07 Cal File: x8806.d
Als bottle: 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	5.02000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

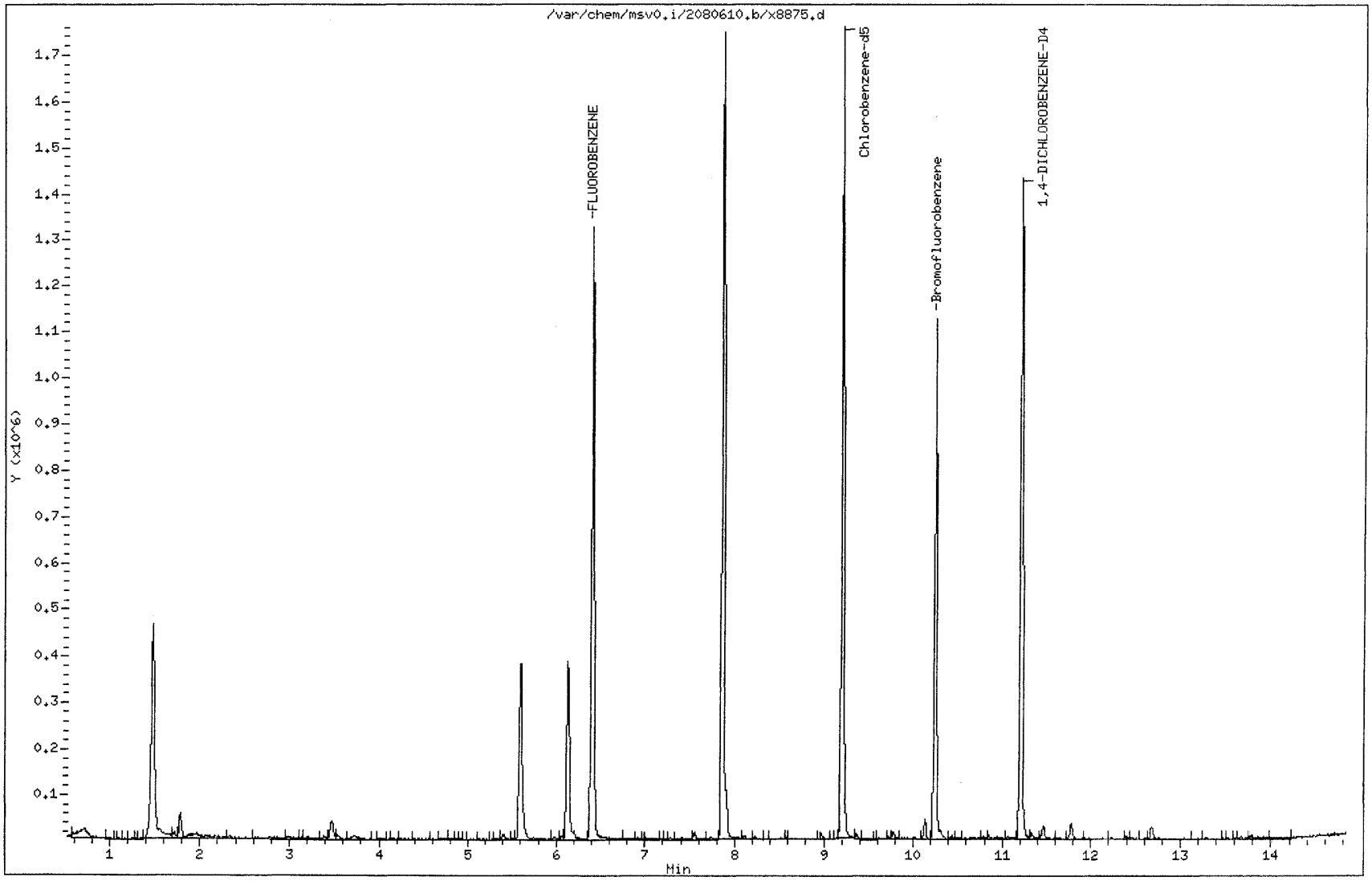
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	18 Methylene Chloride	49	3.469	3.482	(0.541)	38107	3.98910	3.97	8231
	38 Chloroform +	83	5.404	5.410	(0.843)	10819	1.00059	0.997	7726
$	41 Dibromofluoromethane	111	5.602	5.608	(0.874)	311630	51.6349	51.4	5005
$	47 1,2-Dichloroethane-d4	67	6.130	6.143	(0.957)	145669	53.5668	53.4	9443
	48 1,2-Dichloroethane	62	6.196	6.209	(0.967)	13672	2.06968	2.06	7205
*	49 FLUOROBENZENE	96	6.407	6.413	(1.000)	1213898	50.0000		9700
$	67 Toluene-d8	98	7.859	7.866	(0.854)	1093974	46.2264	46.0	9637
	68 Toluene +	91	7.906	7.905	(0.859)	55718	1.84801	1.84	8963
*	85 Chlorobenzene-d5	82	9.206	9.206	(1.000)	550590	50.0000		2228
$	98 Bromofluorobenzene	174	10.243	10.249	(1.113)	302531	50.5311	50.3	9549
*	115 1,4-DICHLOROBENZENE-D4	152	11.207	11.207	(1.000)	397003	50.0000		4247

Data File: /var/chem/msv0.i/2080610.b/x8875.d
Date : 10-JUN-2008 14:14
Client ID:
Sample Info: 20806052205*

Column phase: DB-624-30M

Instrument: msv0.i

Operator: JCK
Column diameter: 0.53



170111

Data File: /var/chem/msv0.i/2080610.b/x8875.d

Date : 10-JUN-2008 14:14

Client ID:

Instrument: msv0.i

Sample Info: 20806052205*

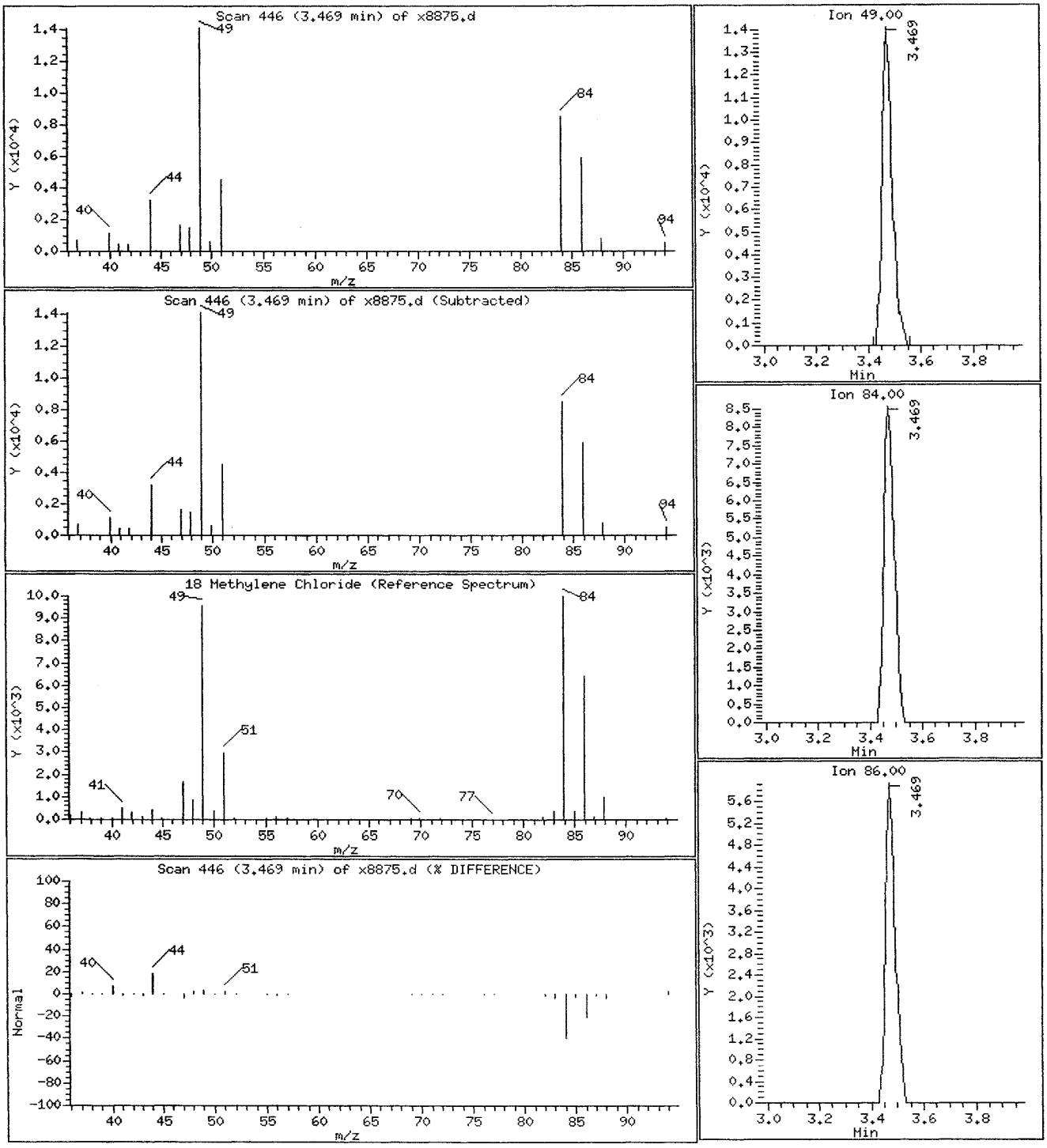
Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53

18 Methylene Chloride

Concentration: 3.97 ug/Kg



Data File: /var/chem/msv0.i/2080610.b/x8875.d

Date : 10-JUN-2008 14:14

Client ID:

Instrument: msv0.i

Sample Info: 20806052205x

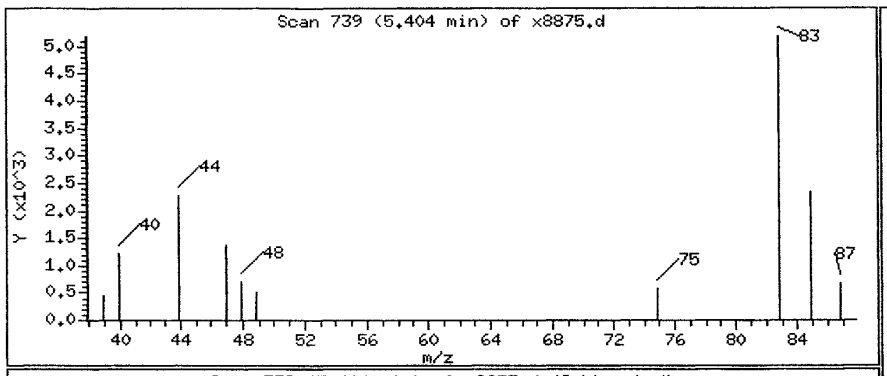
Operator: JCK

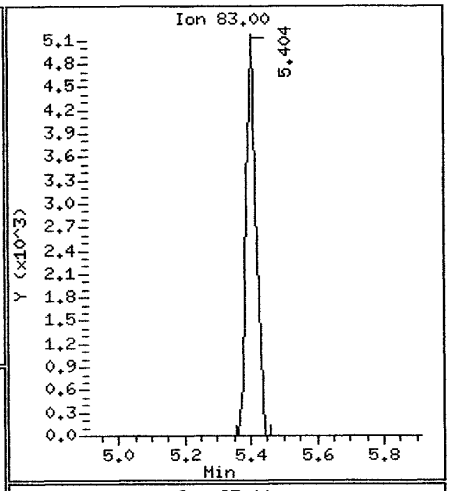
Column phase: DB-624-30M

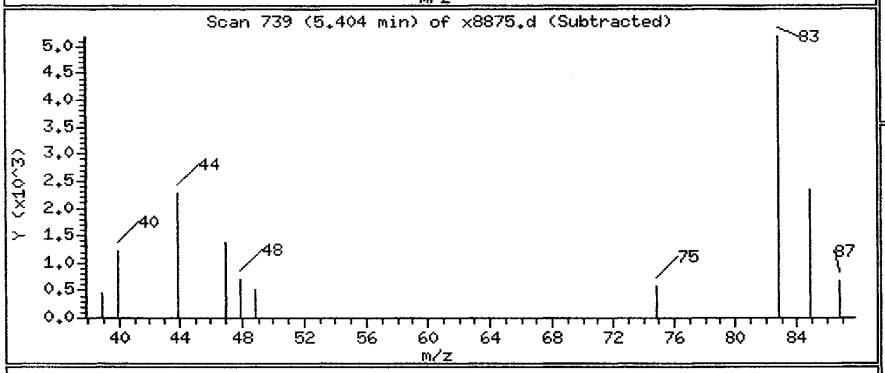
Column diameter: 0.53

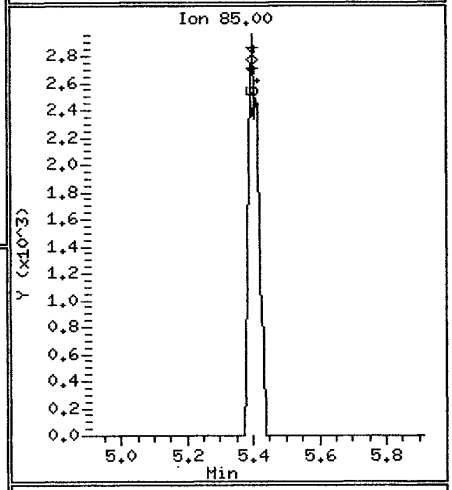
38 Chloroform +

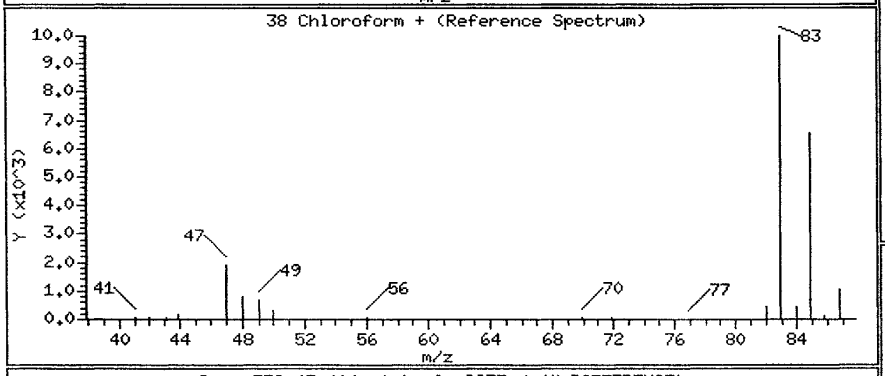
Concentration: 0.997 ug/Kg

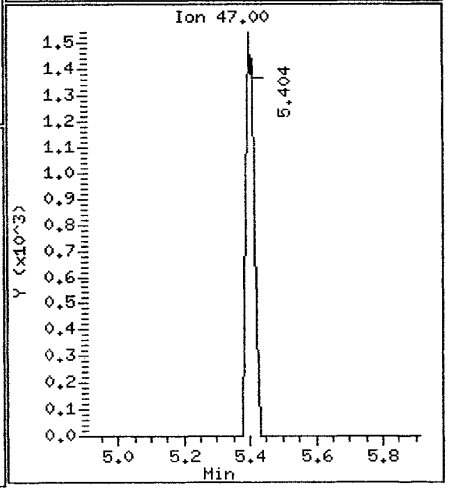


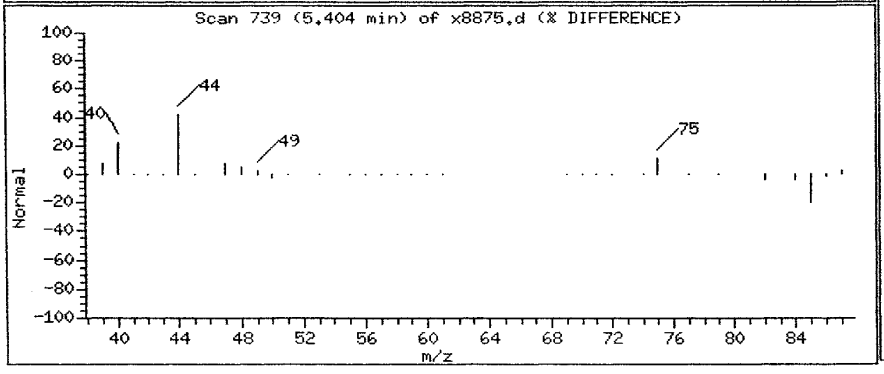












Data File: /var/chem/msv0.i/2080610.b/x8875.d

Page 4

Date : 10-JUN-2008 14:14

Client ID:

Instrument: msv0.i

Sample Info: 20806052205x

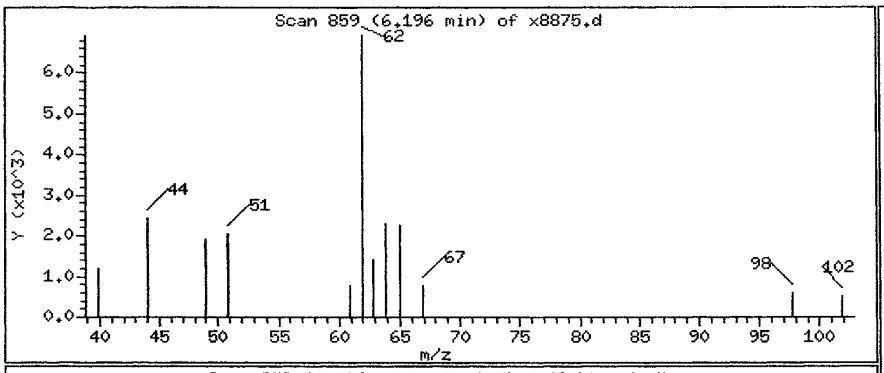
Operator: JCK

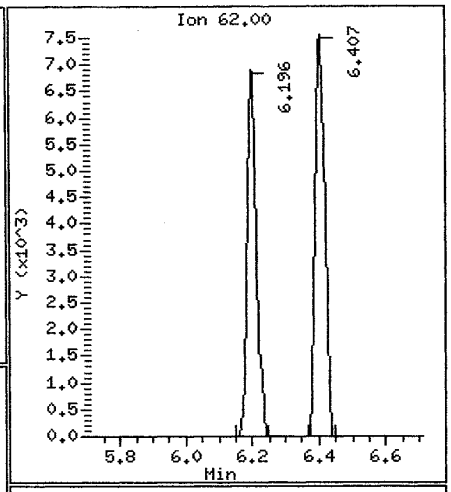
Column phase: DB-624-30M

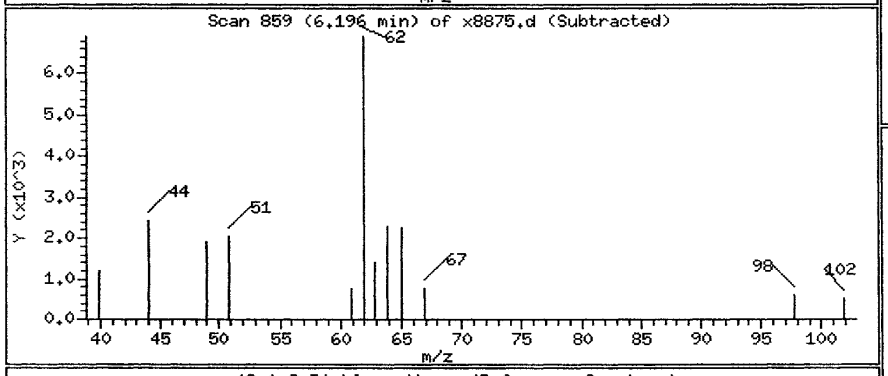
Column diameter: 0.53

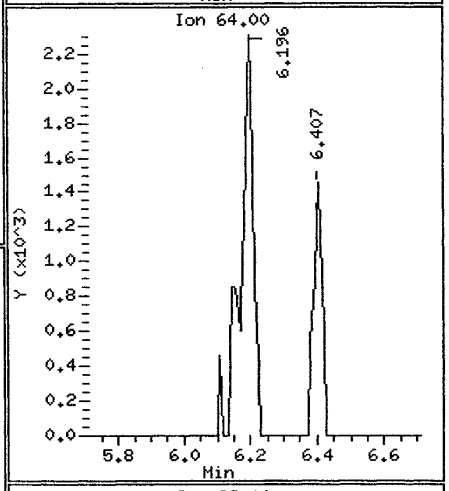
48 1,2-Dichloroethane

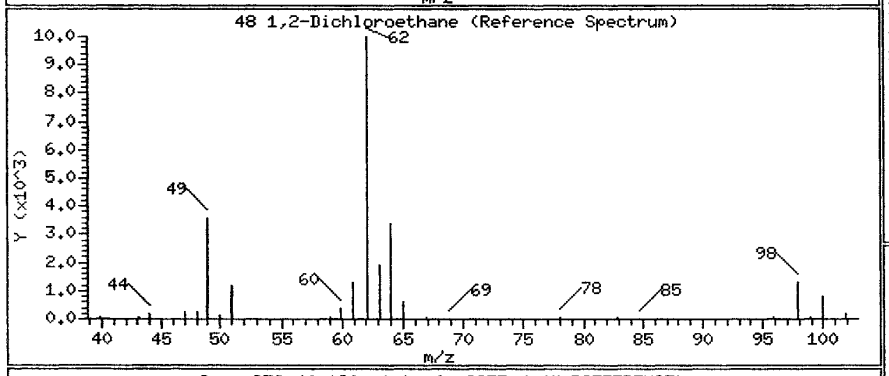
Concentration: 2.06 ug/Kg

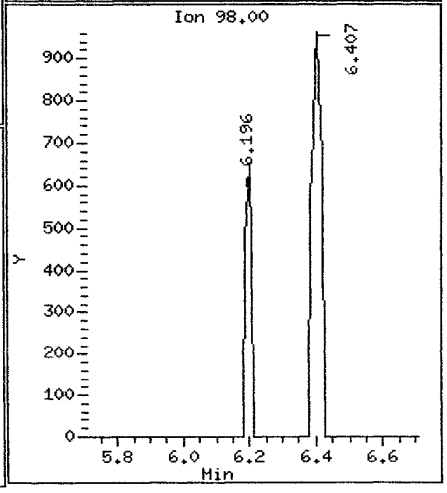


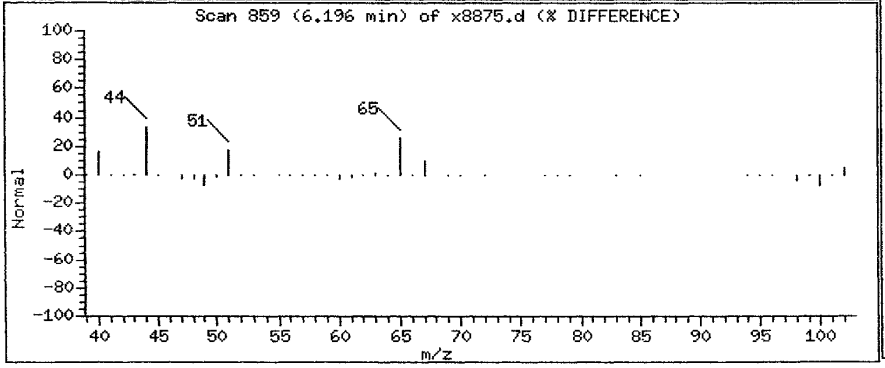












Data File: /var/chem/msv0.i/2080610.b/x8875.d

Date : 10-JUN-2008 14:14

Client ID:

Instrument: msv0.i

Sample Info: 20806052205x

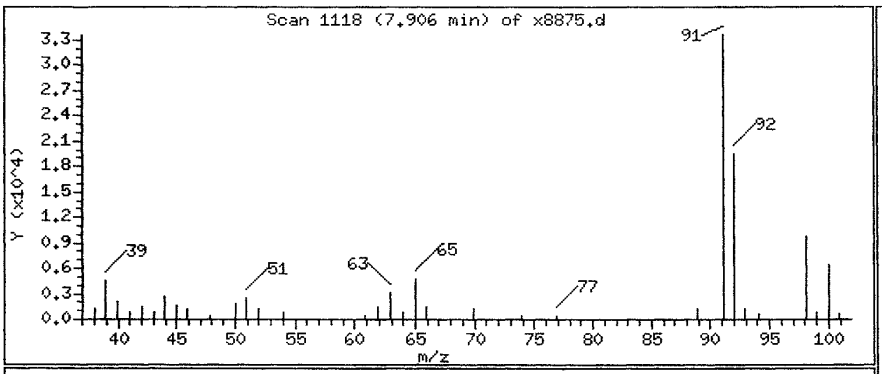
Operator: JCK

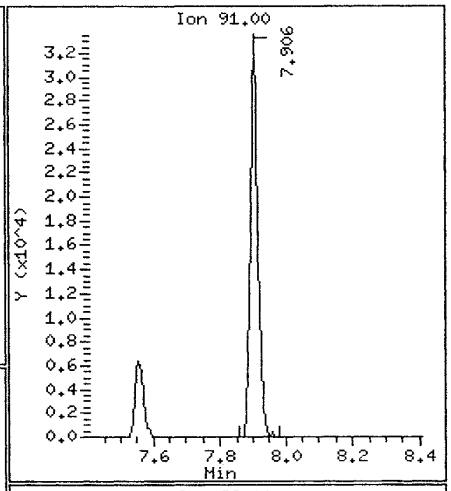
Column phase: DB-624-30M

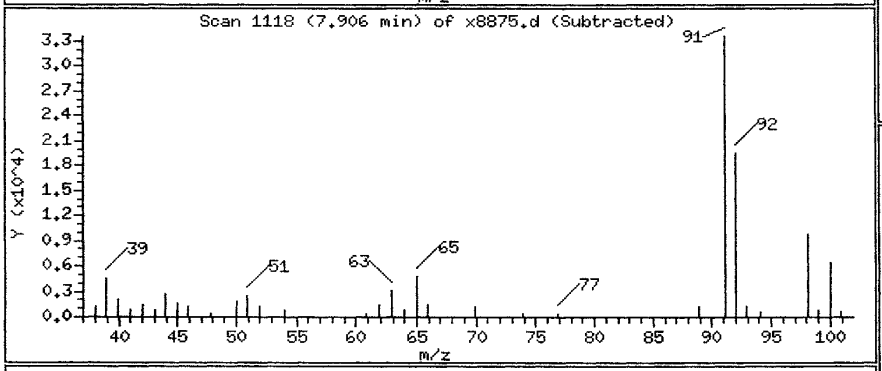
Column diameter: 0.53

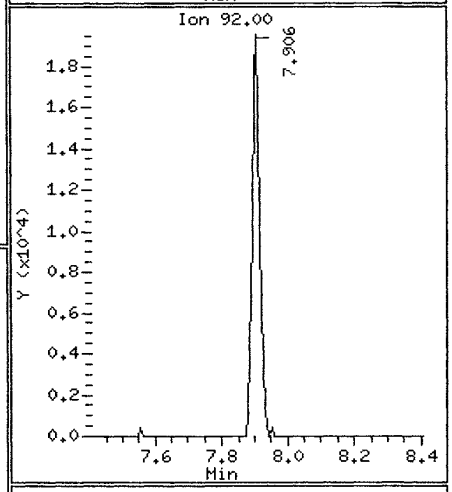
68 Toluene +

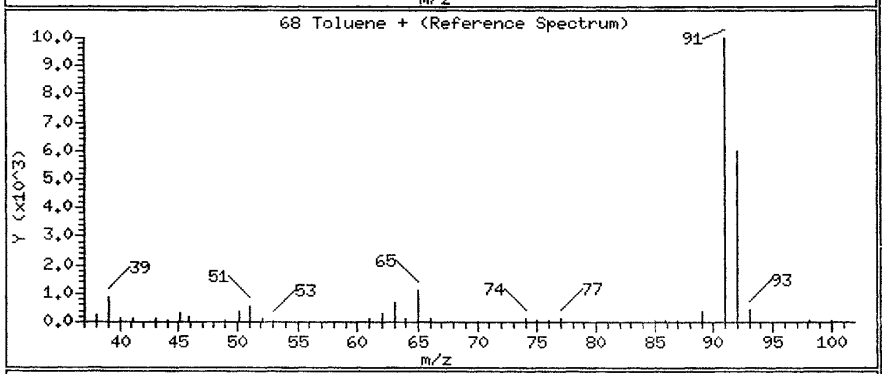
Concentration: 1.84 ug/Kg

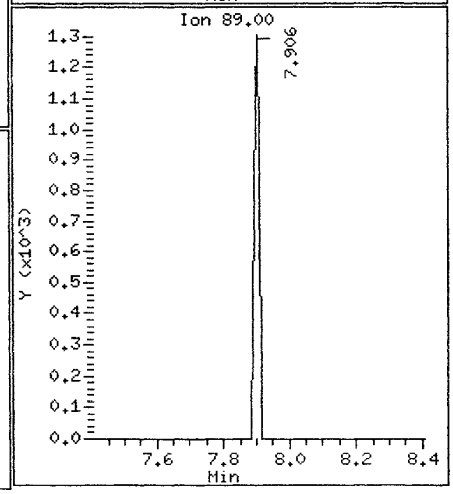


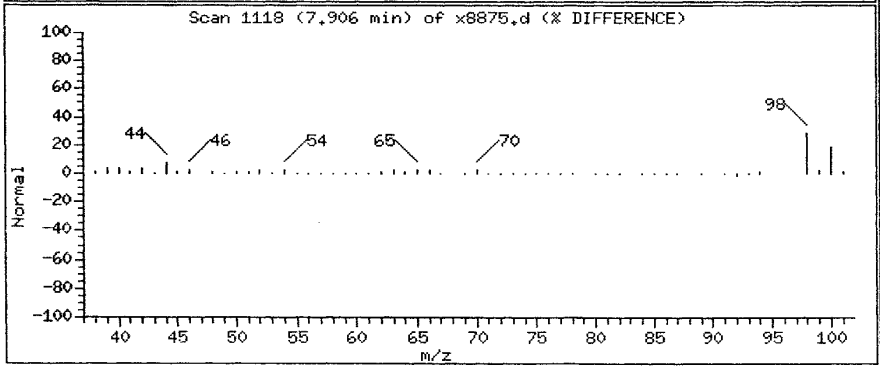










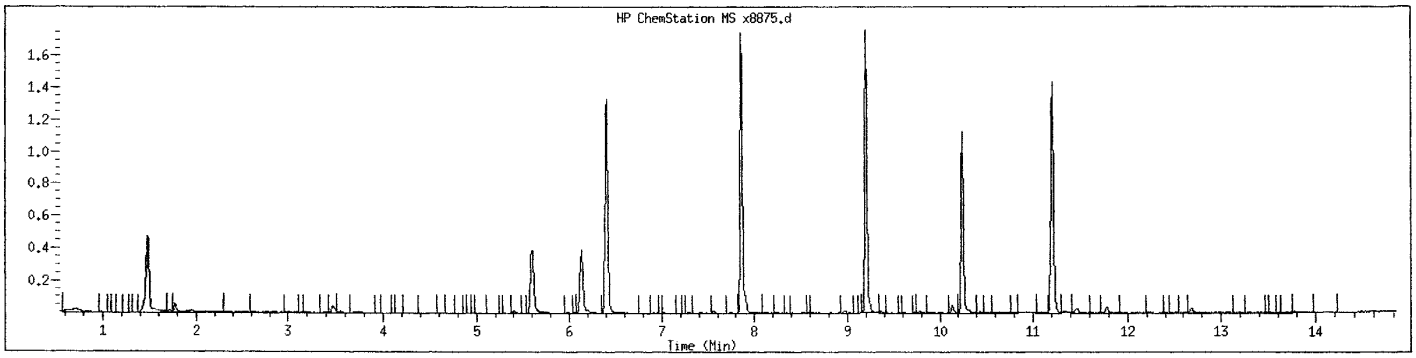


170115

Data file : /var/chem/msv0.i/2080610.b/x8875.d Page: 1
Report Date: 06/10/2008 16:15

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052205	SampleType	: SAMPLE
Injection Date	: 06/10/2008 14:14	Instrument	: msv0.i
Operator	: JCK		
Sample Info	: 20806052205*		
Misc Info	: MSV~13461~*1*JCK		
Method	: /var/chem/msv0.i/2080610.b/8260Bs0.m		
Dilution	: 1.00		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

170116

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

4WSED3 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.1 (g/ml) g Lab Sample ID: 20806052205

Level: (low/med) LOW Lab File ID: 2080610/h4737s

% Moisture: not dec. 14.2 Date Collected: 06/04/08 Time: 1200

GC Column: DB-VRX-30 ID: .53 (mm) Date Received: 06/05/08

Instrument ID: MSV5 Date Analyzed: 06/10/08 Time: 1249

Soil Extract Volume: (µL) Dilution Factor: 50 Analyst: EGW

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375306

CONCENTRATION UNITS: *mg/kg* Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	0.057	U	0.011	0.057
71-36-3	n-Butyl alcohol	0.286	U	0.057	0.286

GCAL, Inc.

Data file : /var/chem/msv5.i/2080610.b/h4737s.d
Lab Smp Id: 20806052205
Inj Date : 10-JUN-2008 12:49
Operator : EGW Inst ID: msv5.i
Smp Info : 20806052205*
Misc Info : MSV~13460~*50*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 11-Jun-2008 14:26 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 11
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

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	5.10000	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
$ 39 Dibromofluoromethane	111	6.326	6.329	(0.887)	142986	50.9354	2500	6188
$ 48 1,2-Dichloroethane-d4	67	6.858	6.862	(0.962)	80406	51.5745	2530	
* 52 FLUOROBENZENE	96	7.130	7.134	(1.000)	521726	50.0000		
$ 67 Toluene-d8	98	8.563	8.570	(0.863)	440367	52.0868	2550	
* 83 CHLOROBENZENE-d5	82	9.921	9.918	(1.000)	221368	50.0000		
$ 94 Bromofluorobenzene	174	10.964	10.963	(1.105)	133416	52.9611	2600	
* 111 1,4-DICHLOROBENZENE-D4	152	12.006	12.010	(1.000)	169282	50.0000		

Data File: /var/chem/msv5.i/2080610.b/h4737s.d

Page 1

Date : 10-JUN-2008 12:49

Client ID:

Instrument: msv5.i

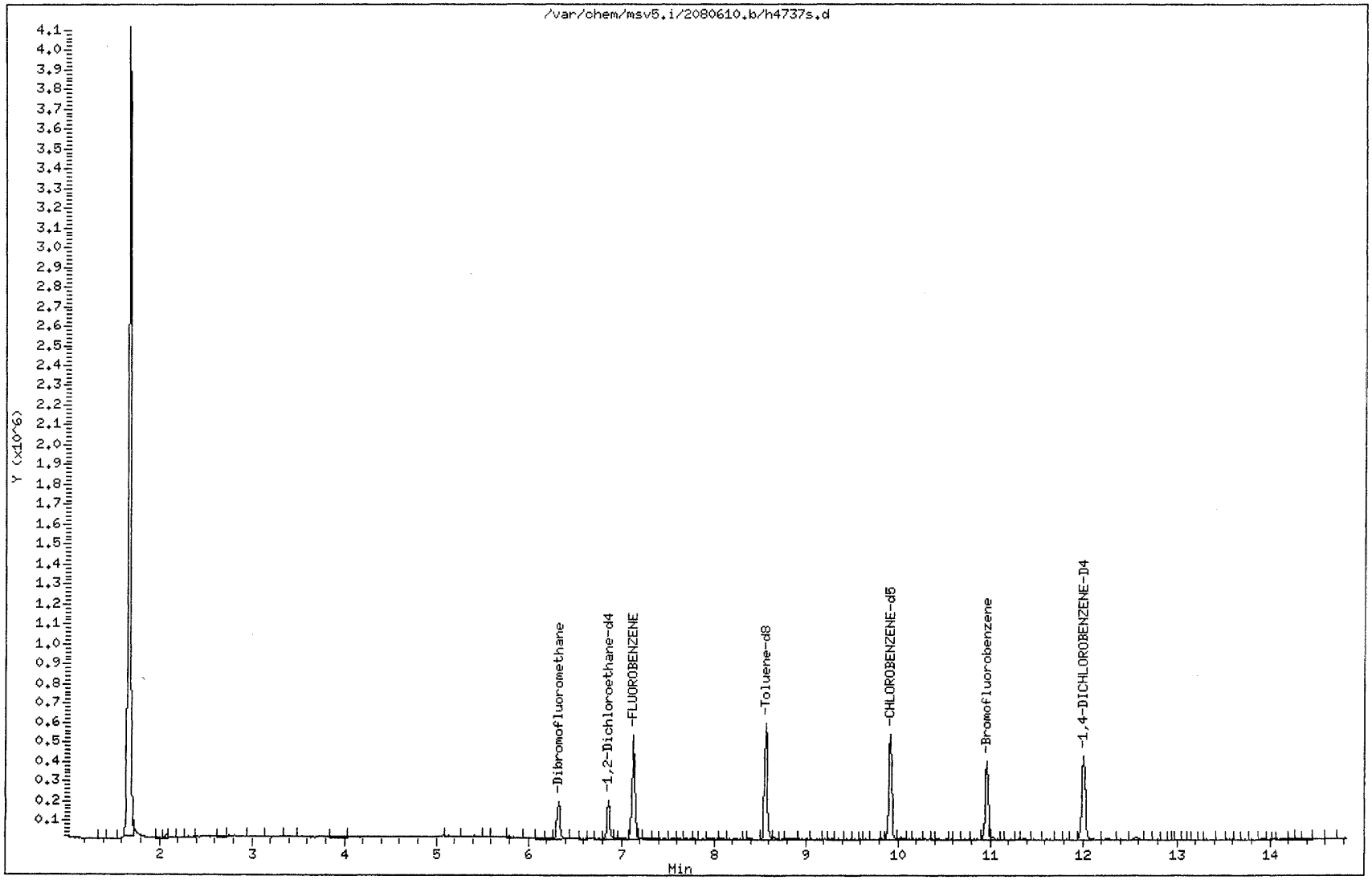
Sample Info: 20806052205*

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-30M

Column diameter: 0.53

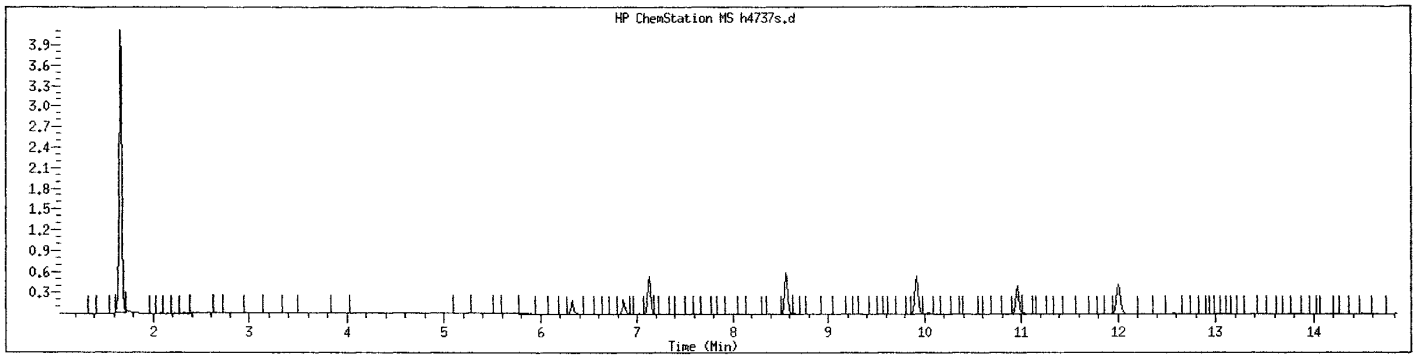


170119

Data file : /var/chem/msv5.i/2080610.b/h4737s.d Page: 1
Report Date: 06/10/2008 16:23

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052205	SampleType	: SAMPLE
Injection Date	: 06/10/2008 12:49	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 20806052205*		
Misc Info	: MSV~13460~*50*EGW		
Method	: /var/chem/msv5.i/2080610.b/8260Bw5.m		
Dilution	: 50.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

4WSED2 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.08 (g/ml) g

Lab Sample ID: 20806052208

Level: (low/med) LOW

Lab File ID: 2080610/x8876

% Moisture: not dec. 33.3

Date Collected: 06/04/08 Time: 1245

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

Date Received: 06/05/08

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1438

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

CONCENTRATION UNITS: mg/kg

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00738	U	0.000260	0.00738
71-55-6	1,1,1-Trichloroethane	0.00738	U	0.000181	0.00738
79-34-5	1,1,2,2-Tetrachloroethane	0.00738	U	0.000266	0.00738
79-00-5	1,1,2-Trichloroethane	0.00738	U	0.000168	0.00738
75-34-3	1,1-Dichloroethane	0.00738	U	0.000235	0.00738
75-35-4	1,1-Dichloroethene	0.00738	U	0.000530	0.00738
563-58-6	1,1-Dichloropropene	0.00738	U	0.000192	0.00738
96-18-4	1,2,3-Trichloropropane	0.00295	U	0.000361	0.00295
120-82-1	1,2,4-Trichlorobenzene	0.00738	U	0.000482	0.00738
95-63-6	1,2,4-Trimethylbenzene	0.00738	U	0.000292	0.00738
96-12-8	1,2-Dibromo-3-chloropropane	0.00738	U	0.00128	0.00738
106-93-4	1,2-Dibromoethane	0.00738	U	0.000221	0.00738
95-50-1	1,2-Dichlorobenzene	0.00738	U	0.000168	0.00738
107-06-2	1,2-Dichloroethane	0.00738	U	0.000168	0.00738
78-87-5	1,2-Dichloropropane	0.00738	U	0.000165	0.00738
108-67-8	1,3,5-Trimethylbenzene	0.00738	U	0.000240	0.00738
541-73-1	1,3-Dichlorobenzene	0.00738	U	0.000348	0.00738
142-28-9	1,3-Dichloropropane	0.00738	U	0.000201	0.00738
106-46-7	1,4-Dichlorobenzene	0.00738	U	0.000621	0.00738
594-20-7	2,2-Dichloropropane	0.00738	U	0.000260	0.00738
78-93-3	2-Butanone	0.00738	U	0.000460	0.00738
95-49-8	2-Chlorotoluene	0.00738	U	0.000221	0.00738
591-78-6	2-Hexanone	0.00738	U	0.00122	0.00738
106-43-4	4-Chlorotoluene	0.00738	U	0.000480	0.00738
99-87-6	4-Isopropyltoluene	0.00738	U	0.000238	0.00738
108-10-1	4-Methyl-2-pentanone	0.00738	U	0.000255	0.00738
67-64-1	Acetone	0.037	U	0.000552	0.037
107-02-8	Acrolein	0.037	U	0.00345	0.037
107-13-1	Acrylonitrile	0.037	U	0.00105	0.037
71-43-2	Benzene	0.00738	U	0.000153	0.00738
108-86-1	Bromobenzene	0.00738	U	0.000347	0.00738

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

4WSED2 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.08 (g/ml) g

Lab Sample ID: 20806052208

Level: (low/med) LOW

Lab File ID: 2080610/x8876

% Moisture: not dec. 33.3

Date Collected: 06/04/08 Time: 1245

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

Date Received: 06/05/08

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1438

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-27-4	Bromodichloromethane	0.00738	U	0.000199	0.00738
75-25-2	Bromoform	0.00738	U	0.000249	0.00738
74-83-9	Bromomethane	0.00738	U	0.00222	0.00738
104-51-8	n-Butylbenzene	0.00738	U	0.000263	0.00738
75-15-0	Carbon disulfide	0.00738	U	0.000161	0.00738
56-23-5	Carbon tetrachloride	0.00738	U	0.000177	0.00738
108-90-7	Chlorobenzene	0.00738	U	0.000243	0.00738
75-00-3	Chloroethane	0.00738	U	0.000894	0.00738
67-66-3	Chloroform	0.00156	JB	0.000208	0.00738
74-87-3	Chloromethane	0.00738	U	0.000685	0.00738
110-82-7	Cyclohexane	0.00738	U	0.00163	0.00738
124-48-1	Dibromochloromethane	0.00738	U	0.000133	0.00738
74-95-3	Dibromomethane	0.00738	U	0.000230	0.00738
75-71-8	Dichlorodifluoromethane	0.00738	U	0.000537	0.00738
10061-01-5	cis-1,3-Dichloropropene	0.00738	U	0.000170	0.00738
10061-02-6	trans-1,3-Dichloropropene	0.00738	U	0.000208	0.00738
100-41-4	Ethylbenzene	0.00738	U	0.000305	0.00738
87-68-3	Hexachlorobutadiene	0.00738	U	0.00184	0.00738
98-82-8	Isopropylbenzene (Cumene)	0.00738	U	0.000226	0.00738
79-20-9	Methyl Acetate	0.00738	U	0.00226	0.00738
74-88-4	Methyl iodide	0.00738	U	0.00134	0.00738
108-87-2	Methylcyclohexane	0.00738	U	0.000546	0.00738
75-09-2	Methylene chloride	0.00658	JB	0.000707	0.015
91-20-3	Naphthalene	0.00738	U	0.000555	0.00738
100-42-5	Styrene	0.00738	U	0.000224	0.00738
127-18-4	Tetrachloroethene	0.00738	U	0.000283	0.00738
108-88-3	Toluene	0.00738	U	0.000811	0.00738
79-01-6	Trichloroethene	0.00738	U	0.000261	0.00738
75-69-4	Trichlorofluoromethane	0.00738	U	0.000372	0.00738
76-13-1	Trichlorotrifluoroethane	0.00738	U	0.000277	0.00738
108-05-4	Vinyl acetate	0.00738	U	0.00144	0.00738
75-01-4	Vinyl chloride	0.00738	U	0.000518	0.00738

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

4WSED2 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.08 (g/ml) g

Lab Sample ID: 20806052208

Level: (low/med) LOW

Lab File ID: 2080610/x8876

% Moisture: not dec. 33.3

Date Collected: 06/04/08 Time: 1245

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

Date Received: 06/05/08

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1438

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.015	U	0.000844	0.015
156-59-2	cis-1,2-Dichloroethene	0.00738	U	0.000186	0.00738
136777-61-	m,p-Xylene	0.00738	U	0.000587	0.00738
103-65-1	n-Propylbenzene	0.00738	U	0.000207	0.00738
95-47-6	o-Xylene	0.00738	U	0.000257	0.00738
135-98-8	sec-Butylbenzene	0.00738	U	0.000173	0.00738
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00738	U	0.000109	0.00738
98-06-6	tert-Butylbenzene	0.00738	U	0.000372	0.00738
156-60-5	trans-1,2-Dichloroethene	0.00738	U	0.000242	0.00738
110-57-6	trans-1,4-Dichloro-2-butene	0.00738	U	0.00106	0.00738

GCAL, Inc.

Data file : /var/chem/msv0.i/2080610.b/x8876.d
Lab Smp Id: 20806052208
Inj Date : 10-JUN-2008 14:38
Operator : JCK Inst ID: msv0.i
Smp Info : 20806052208*
Misc Info : MSV~13461~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080610.b/8260Bs0.m
Meth Date : 10-Jun-2008 16:13 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 00:07 Cal File: x8806.d
Als bottle: 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	5.08000	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	3.470	3.482	(0.542)	36856	4.46431	4.39	8250
38 Chloroform +	83	5.411	5.410	(0.844)	9858	1.05496	1.04	7404
$ 41 Dibromofluoromethane	111	5.596	5.608	(0.873)	280737	53.8245	53.0	5005
$ 47 1,2-Dichloroethane-d4	67	6.137	6.143	(0.958)	134368	57.1742	56.3	9573
* 49 FLUOROBENZENE	96	6.408	6.413	(1.000)	1049075	50.0000		9673
$ 67 Toluene-d8	98	7.860	7.866	(0.854)	1001849	51.6962	50.9	9608
* 85 Chlorobenzene-d5	82	9.207	9.206	(1.000)	450874	50.0000		2228
$ 98 Bromofluorobenzene	174	10.244	10.249	(1.113)	264548	53.9593	53.1	9523
* 115 1,4-DICHLOROBENZENE-D4	152	11.207	11.207	(1.000)	313717	50.0000		4197

170124

Data File: /var/chem/msv0.i/2080610.b/x8876.d

Page 1

Date : 10-JUN-2008 14:38

Client ID:

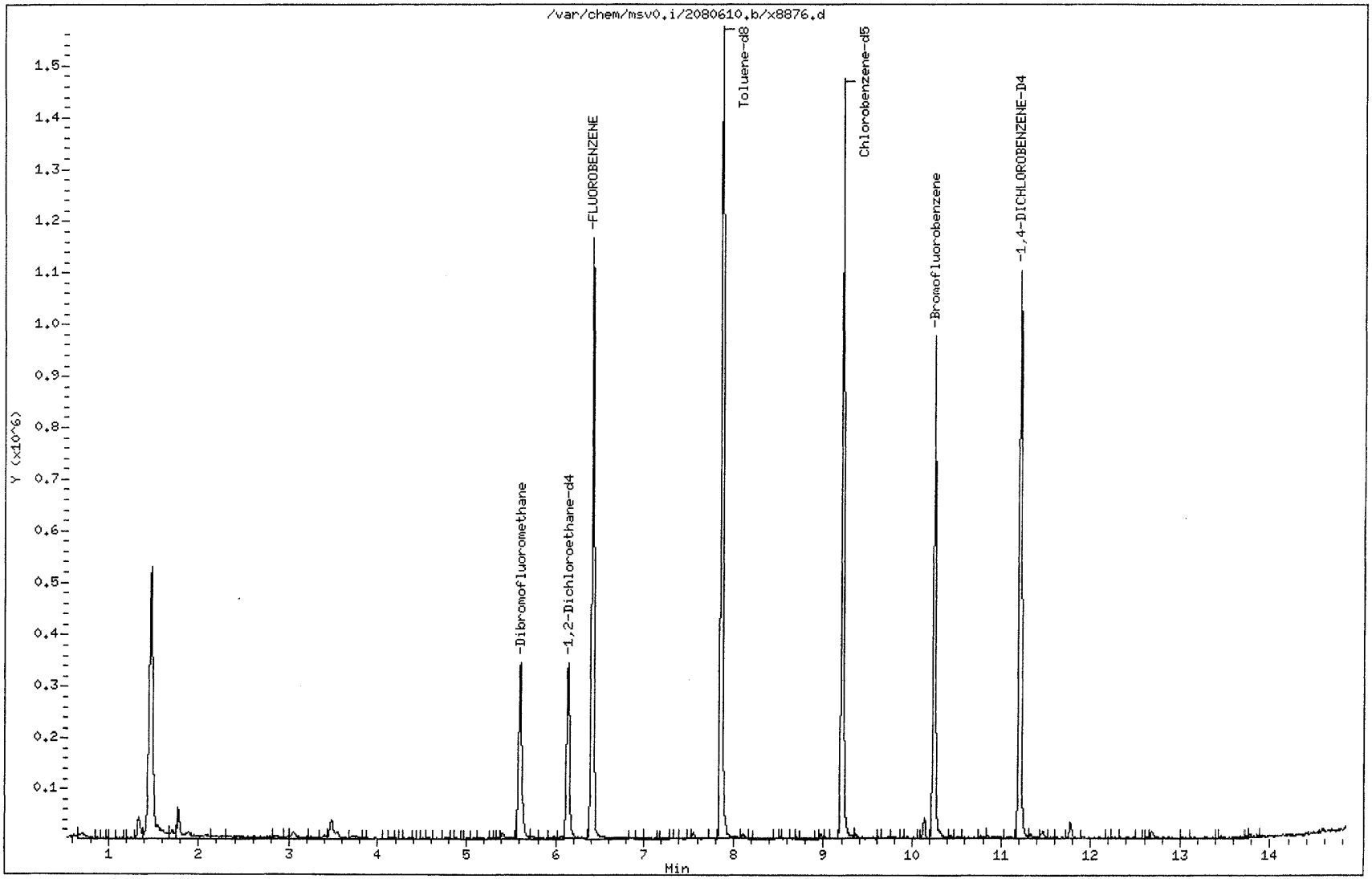
Instrument: msv0.i

Sample Info: 20806052208*

Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv0.i/2080610.b/x8876.d

Date : 10-JUN-2008 14:38

Client ID:

Instrument: msv0.i

Sample Info: 20806052208*

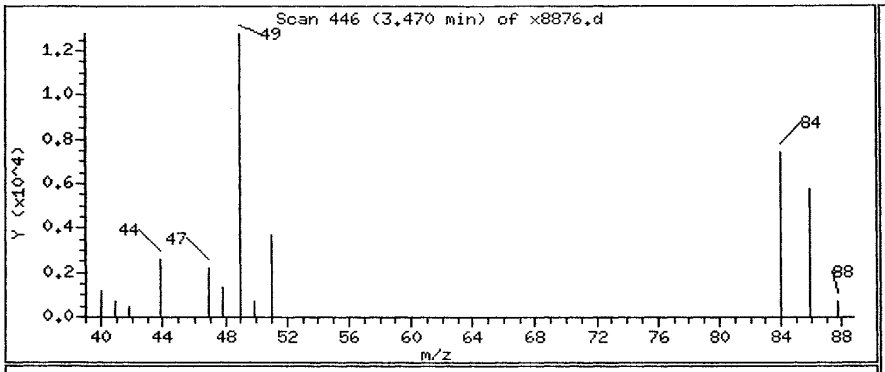
Operator: JCK

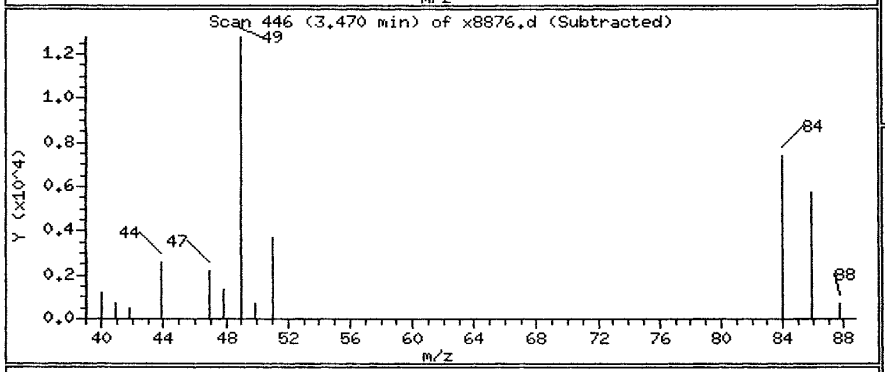
Column phase: DB-624-30M

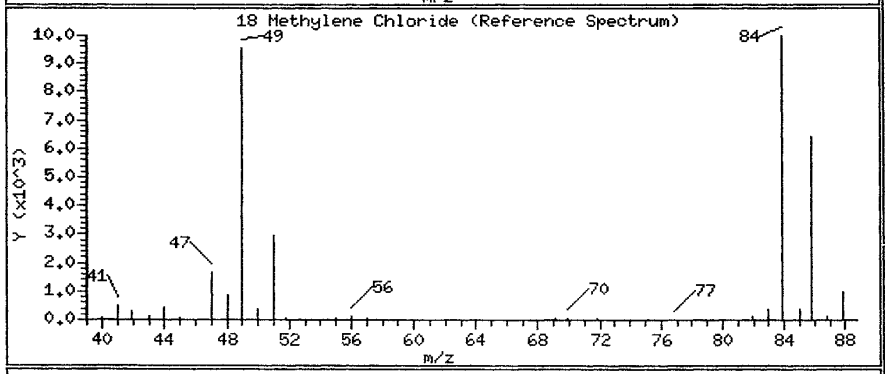
Column diameter: 0.53

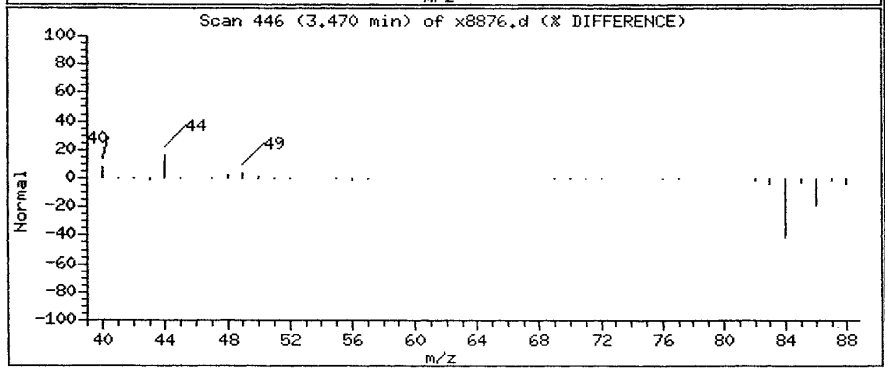
18 Methylene Chloride

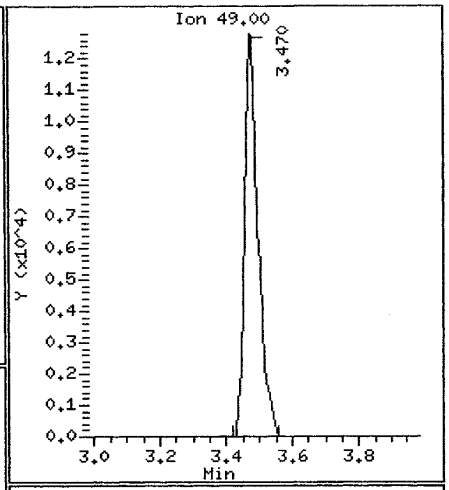
Concentration: 4.39 ug/Kg

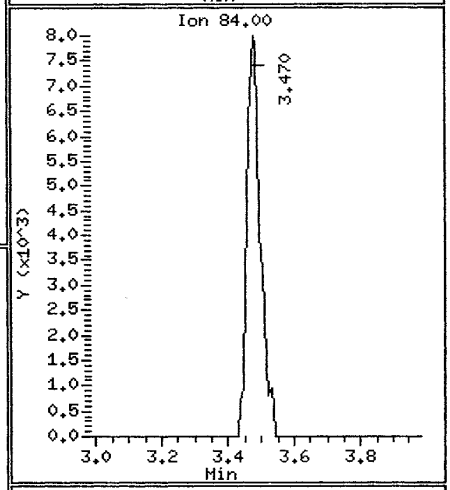


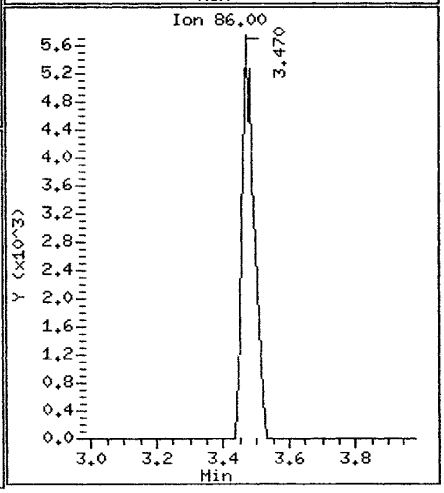












Data File: /var/chem/msv0.i/2080610.b/x8876.d

Date : 10-JUN-2008 14:38

Client ID:

Instrument: msv0.i

Sample Info: 20806052208*

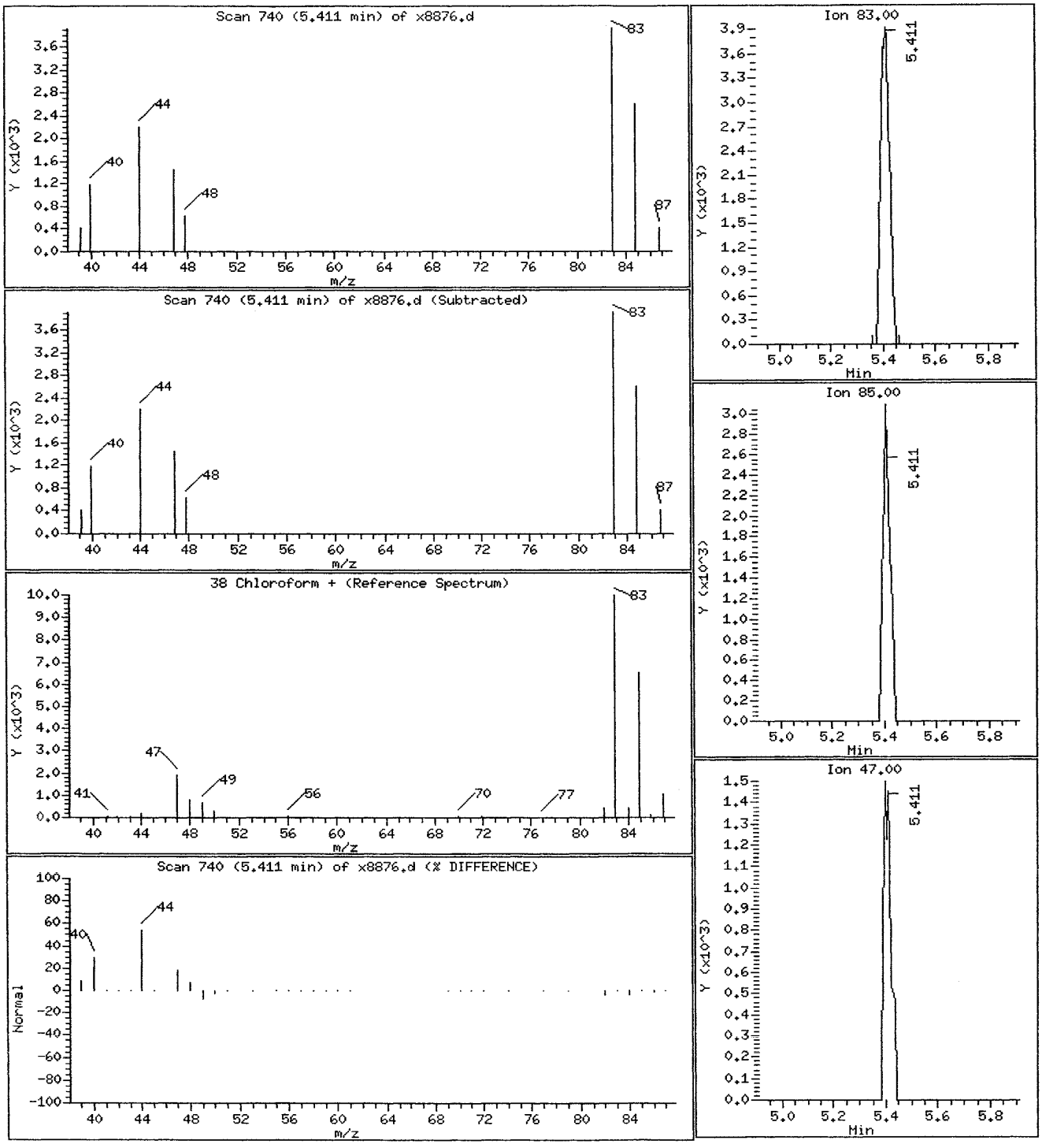
Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53

38 Chloroform +

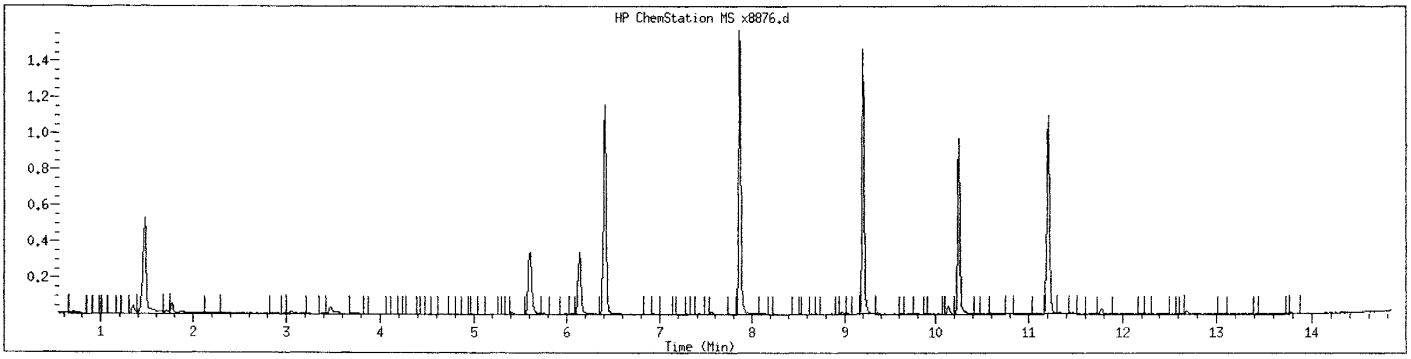
Concentration: 1.04 ug/Kg



Data file : /var/chem/msv0.i/2080610.b/x8876.d Page: 1
Report Date: 06/10/2008 16:15

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052208	SampleType	: SAMPLE
Injection Date	: 06/10/2008 14:38	Instrument	: msv0.i
Operator	: JCK		
Sample Info	: 20806052208*		
Misc Info	: MSV~13461~*1*JCK		
Method	: /var/chem/msv0.i/2080610.b/8260Bs0.m		
Dilution	: 1.00		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

4WSED2 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.22 (g/ml) g Lab Sample ID: 20806052208

Level: (low/med) LOW Lab File ID: 2080610/h4745s

% Moisture: not dec. 33.3 Date Collected: 06/04/08 Time: 1245

GC Column: DB-VRX-30 ID: .53 (mm) Date Received: 06/05/08

Instrument ID: MSV5 Date Analyzed: 06/10/08 Time: 1552

Soil Extract Volume: (µL) Dilution Factor: 50 Analyst: JCK

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375306

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	0.072	U	0.014	0.072
71-36-3	n-Butyl alcohol	0.359	U	0.072	0.359

GCAL, Inc.

Data file : /var/chem/msv5.i/2080610.b/h4745s.d
Lab Smp Id: 20806052208
Inj Date : 10-JUN-2008 15:52
Operator : JCK Inst ID: msv5.i
Smp Info : 20806052208*
Misc Info : MSV~13460~*50*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 10-Jun-2008 17:08 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 18
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	5.22000	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
$ 39 Dibromofluoromethane	111	6.338	6.329	(0.889)	143242	46.6549	2230	6215
$ 48 1,2-Dichloroethane-d4	67	6.861	6.862	(0.962)	75664	44.3748	2130	
* 52 FLUOROBENZENE	96	7.133	7.134	(1.000)	570613	50.0000		
$ 67 Toluene-d8	98	8.571	8.570	(0.863)	454213	48.4534	2320	
* 83 CHLOROBENZENE-d5	82	9.926	9.918	(1.000)	245450	50.0000		
$ 94 Bromofluorobenzene	174	10.966	10.963	(1.105)	132800	47.5443	2280	
* 111 1,4-DICHLOROBENZENE-D4	152	12.005	12.010	(1.000)	176521	50.0000		

170130

Data File: /var/chem/msv5.i/2080610.b/h4745s.d

Page 1

Date : 10-JUN-2008 15:52

Client ID:

Instrument: msv5.i

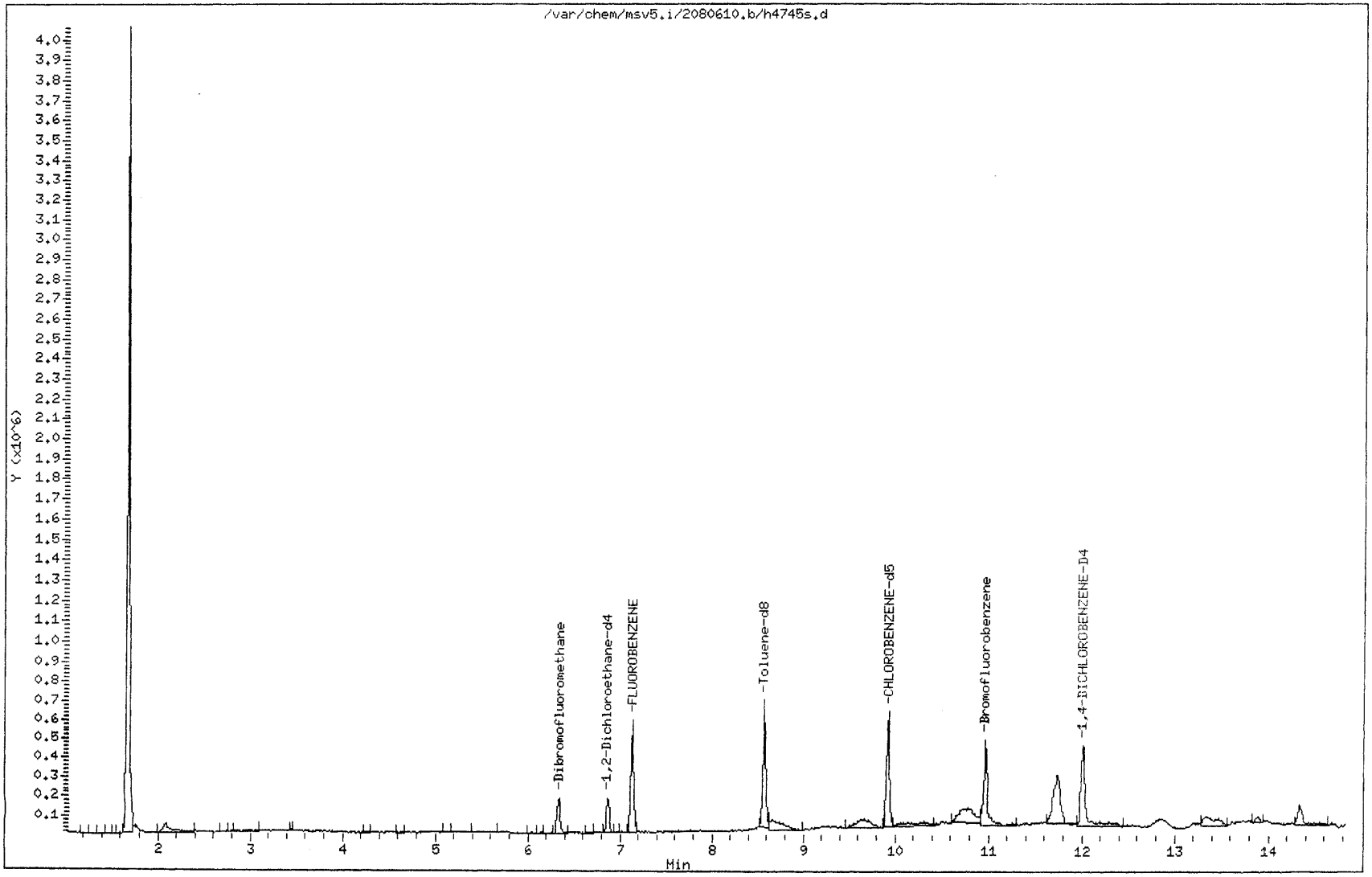
Sample Info: 20806052208*

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-30M

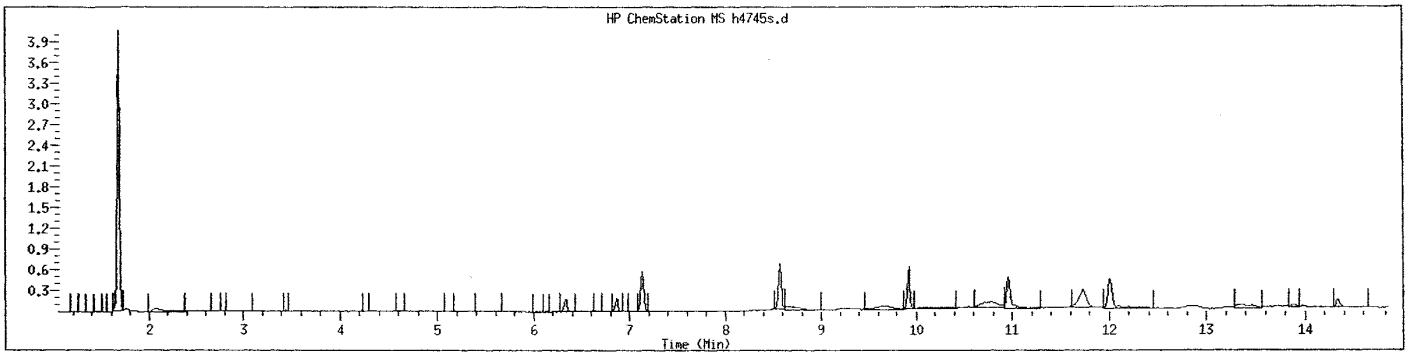
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080610.b/h4745s.d Page: 1
Report Date: 06/10/2008 17:28

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052208	SampleType	: SAMPLE
Injection Date	: 06/10/2008 15:52	Instrument	: msv5.i
Operator	: JCK		
Sample Info	: 20806052208*		
Misc Info	: MSV~13460~*50*EGW		
Method	: /var/chem/msv5.i/2080610.b/8260Bw5.m		
Dilution	: 50.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SE600

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.17 (g/ml) g

Lab Sample ID: 20806052209

Level: (low/med) LOW

Lab File ID: 2080610/x8877

% Moisture: not dec. 32.7

Date Collected: 06/04/08 Time: 0000

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

Date Received: 06/05/08

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1502

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-27-4	Bromodichloromethane	0.00719	U	0.000194	0.00719
75-25-2	Bromoform	0.00719	U	0.000243	0.00719
74-83-9	Bromomethane	0.00719	U	0.00216	0.00719
104-51-8	n-Butylbenzene	0.00719	U	0.000256	0.00719
75-15-0	Carbon disulfide	0.00251	J	0.000157	0.00719
56-23-5	Carbon tetrachloride	0.00719	U	0.000173	0.00719
108-90-7	Chlorobenzene	0.00719	U	0.000237	0.00719
75-00-3	Chloroethane	0.00719	U	0.000871	0.00719
67-66-3	Chloroform	0.00165	JB	0.000203	0.00719
74-87-3	Chloromethane	0.00719	U	0.000667	0.00719
110-82-7	Cyclohexane	0.00719	U	0.00159	0.00719
124-48-1	Dibromochloromethane	0.00719	U	0.000129	0.00719
74-95-3	Dibromomethane	0.00719	U	0.000224	0.00719
75-71-8	Dichlorodifluoromethane	0.00719	U	0.000523	0.00719
10061-01-5	cis-1,3-Dichloropropene	0.00719	U	0.000165	0.00719
10061-02-6	trans-1,3-Dichloropropene	0.00719	U	0.000203	0.00719
100-41-4	Ethylbenzene	0.00719	U	0.000298	0.00719
87-68-3	Hexachlorobutadiene	0.00719	U	0.00179	0.00719
98-82-8	Isopropylbenzene (Cumene)	0.00719	U	0.000220	0.00719
79-20-9	Methyl Acetate	0.00719	U	0.00220	0.00719
74-88-4	Methyl iodide	0.00719	U	0.00130	0.00719
108-87-2	Methylcyclohexane	0.00719	U	0.000532	0.00719
75-09-2	Methylene chloride	0.00803	JB	0.000689	0.014
91-20-3	Naphthalene	0.00719	U	0.000541	0.00719
100-42-5	Styrene	0.00719	U	0.000219	0.00719
127-18-4	Tetrachloroethene	0.00719	U	0.000276	0.00719
108-88-3	Toluene	0.00719	U	0.000791	0.00719
79-01-6	Trichloroethene	0.00719	U	0.000255	0.00719
75-69-4	Trichlorofluoromethane	0.00719	U	0.000362	0.00719
76-13-1	Trichlorotrifluoroethane	0.00719	U	0.000270	0.00719
108-05-4	Vinyl acetate	0.00719	U	0.00141	0.00719
75-01-4	Vinyl chloride	0.00719	U	0.000505	0.00719

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SE600

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.17 (g/ml) g Lab Sample ID: 20806052209

Level: (low/med) LOW Lab File ID: 2080610/x8877

% Moisture: not dec. 32.7 Date Collected: 06/04/08 Time: 0000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/05/08

Instrument ID: MSV0 Date Analyzed: 06/10/08 Time: 1502

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00719	U	0.000253	0.00719
71-55-6	1,1,1-Trichloroethane	0.00719	U	0.000177	0.00719
79-34-5	1,1,2,2-Tetrachloroethane	0.00719	U	0.000259	0.00719
79-00-5	1,1,2-Trichloroethane	0.00719	U	0.000164	0.00719
75-34-3	1,1-Dichloroethane	0.00719	U	0.000229	0.00719
75-35-4	1,1-Dichloroethene	0.00719	U	0.000516	0.00719
563-58-6	1,1-Dichloropropene	0.00719	U	0.000187	0.00719
96-18-4	1,2,3-Trichloropropane	0.00288	U	0.000352	0.00288
120-82-1	1,2,4-Trichlorobenzene	0.00719	U	0.000470	0.00719
95-63-6	1,2,4-Trimethylbenzene	0.00719	U	0.000285	0.00719
96-12-8	1,2-Dibromo-3-chloropropane	0.00719	U	0.00125	0.00719
106-93-4	1,2-Dibromoethane	0.00719	U	0.000216	0.00719
95-50-1	1,2-Dichlorobenzene	0.00719	U	0.000164	0.00719
107-06-2	1,2-Dichloroethane	0.00719	U	0.000164	0.00719
78-87-5	1,2-Dichloropropane	0.00719	U	0.000161	0.00719
108-67-8	1,3,5-Trimethylbenzene	0.00719	U	0.000234	0.00719
541-73-1	1,3-Dichlorobenzene	0.00719	U	0.000339	0.00719
142-28-9	1,3-Dichloropropane	0.00719	U	0.000196	0.00719
106-46-7	1,4-Dichlorobenzene	0.00719	U	0.000605	0.00719
594-20-7	2,2-Dichloropropane	0.00719	U	0.000253	0.00719
78-93-3	2-Butanone	0.00590	J	0.000449	0.00719
95-49-8	2-Chlorotoluene	0.00719	U	0.000216	0.00719
591-78-6	2-Hexanone	0.00719	U	0.00119	0.00719
106-43-4	4-Chlorotoluene	0.00719	U	0.000467	0.00719
99-87-6	4-Isopropyltoluene	0.00719	U	0.000232	0.00719
108-10-1	4-Methyl-2-pentanone	0.00719	U	0.000249	0.00719
67-64-1	Acetone	0.021	J	0.000538	0.036
107-02-8	Acrolein	0.036	U	0.00336	0.036
107-13-1	Acrylonitrile	0.036	U	0.00102	0.036
71-43-2	Benzene	0.00719	U	0.000150	0.00719
108-86-1	Bromobenzene	0.00719	U	0.000338	0.00719

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SE600

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.17 (g/ml) g

Lab Sample ID: 20806052209

Level: (low/med) LOW

Lab File ID: 2080610/x8877

% Moisture: not dec. 32.7

Date Collected: 06/04/08 Time: 0000

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

Date Received: 06/05/08

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1502

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.014	U	0.000823	0.014
156-59-2	cis-1,2-Dichloroethene	0.00719	U	0.000181	0.00719
136777-61-	m,p-Xylene	0.00719	U	0.000572	0.00719
103-65-1	n-Propylbenzene	0.00719	U	0.000201	0.00719
95-47-6	o-Xylene	0.00719	U	0.000250	0.00719
135-98-8	sec-Butylbenzene	0.00719	U	0.000168	0.00719
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00719	U	0.000106	0.00719
98-06-6	tert-Butylbenzene	0.00719	U	0.000362	0.00719
156-60-5	trans-1,2-Dichloroethene	0.00719	U	0.000236	0.00719
110-57-6	trans-1,4-Dichloro-2-butene	0.00719	U	0.00104	0.00719

GCAL, Inc.

Data file : /var/chem/msv0.i/2080610.b/x8877.d
Lab Smp Id: 20806052209
Inj Date : 10-JUN-2008 15:02
Operator : JCK Inst ID: msv0.i
Smp Info : 20806052209*
Misc Info : MSV~13461~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080610.b/8260Bs0.m
Meth Date : 10-Jun-2008 16:13 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 00:07 Cal File: x8806.d
Als bottle: 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/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	5.17000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

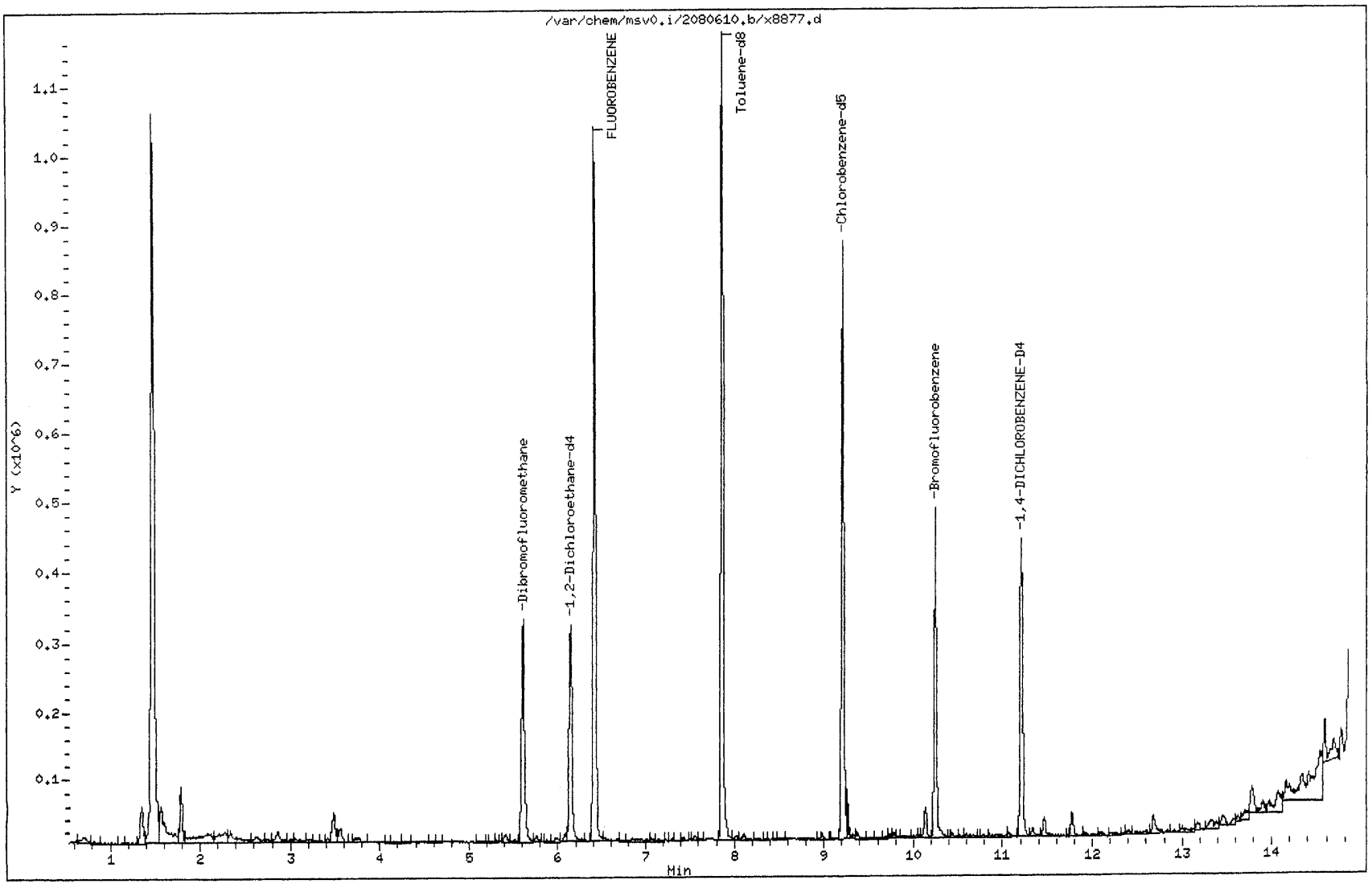
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
14 Carbon Disulfide	76	2.859	2.855	(0.446)	25426	1.74673	1.69	6489
18 Methylene Chloride	49	3.486	3.482	(0.544)	40965	5.57853	5.40	8319
12 Acetone	43	3.552	3.568	(0.554)	39444	14.8528	14.4	8364
38 Chloroform +	83	5.407	5.410	(0.843)	9576	1.15210	1.11	7493
$ 41 Dibromofluoromethane	111	5.605	5.608	(0.874)	254432	54.8419	53.0	5005
31 2-Butanone	43	5.757	5.760	(0.898)	13977	4.10722	3.97	
$ 47 1,2-Dichloroethane-d4	67	6.140	6.143	(0.958)	119370	57.1031	55.2	9571
* 49 FLUOROBENZENE	96	6.411	6.413	(1.000)	933138	50.0000		9655
$ 67 Toluene-d8	98	7.863	7.866	(0.854)	732780	61.4948	59.5	9593
* 85 Chlorobenzene-d5	82	9.210	9.206	(1.000)	277234	50.0000		2272
$ 98 Bromofluorobenzene	174	10.247	10.249	(1.113)	131691	43.6844	42.2	9565
* 115 1,4-DICHLOROBENZENE-D4	152	11.210	11.207	(1.000)	126463	50.0000		4238

Data File: /var/chem/msv0.i/2080610.b/x8877.d
Date : 10-JUN-2008 15:02
Client ID:
Sample Info: 20806052209*

Column phase: DB-624-30M

Instrument: msv0.i

Operator: JCK
Column diameter: 0.53



Data File: /var/chem/msv0.i/2080610.b/x8877.d

Date : 10-JUN-2008 15:02

Client ID:

Instrument: msv0.i

Sample Info: 20806052209*

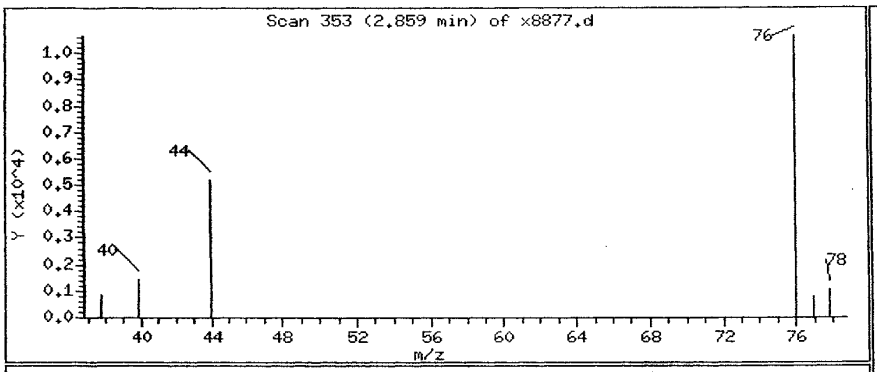
Operator: JCK

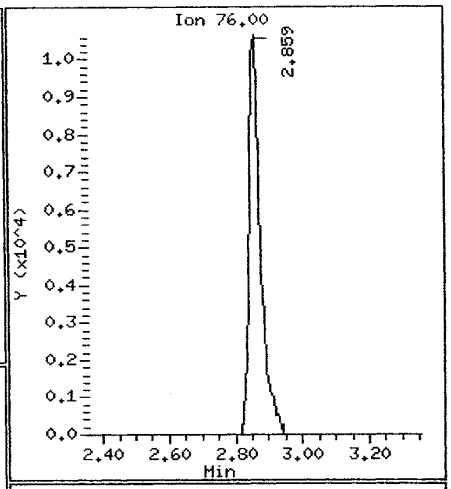
Column phase: DB-624-30M

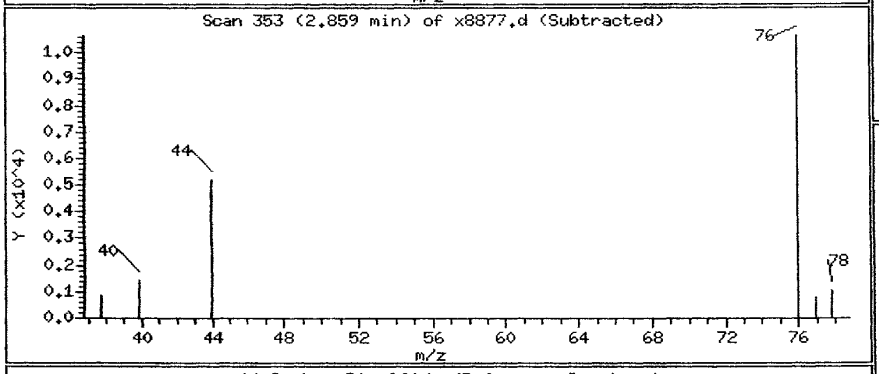
Column diameter: 0.53

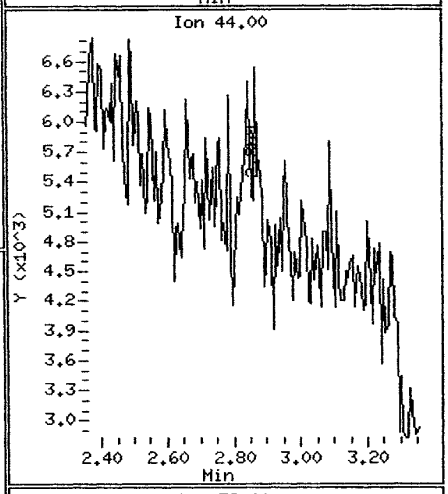
14 Carbon Disulfide

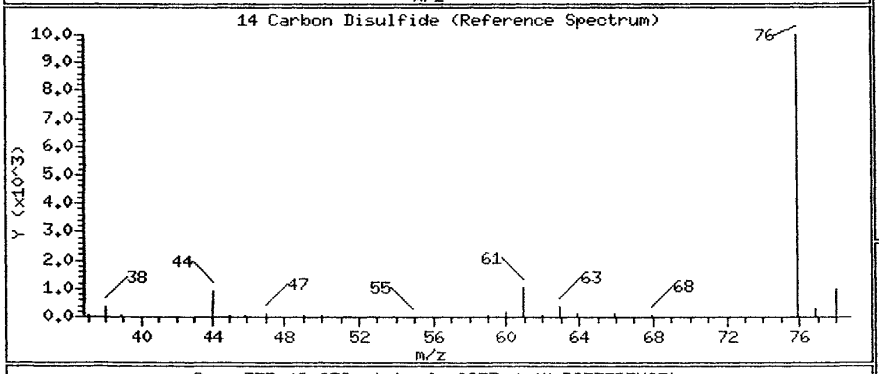
Concentration: 1.69 ug/Kg

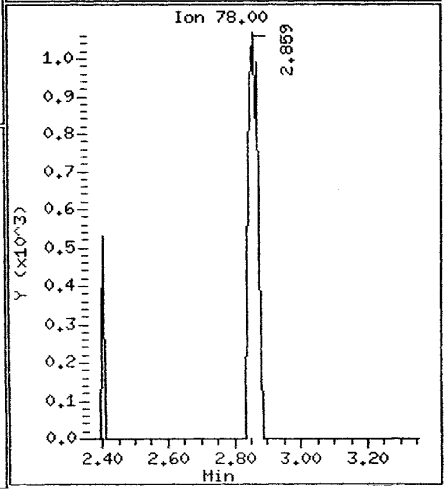


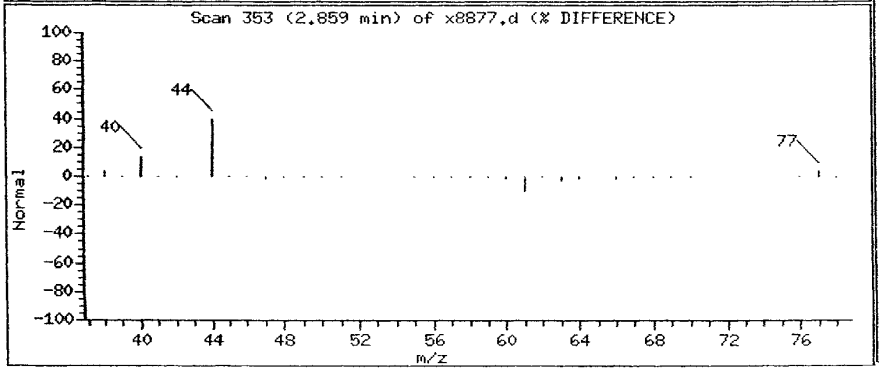












Data File: /var/chem/msv0.i/2080610.b/x8877.d

Date : 10-JUN-2008 15:02

Client ID:

Instrument: msv0.i

Sample Info: 20806052209*

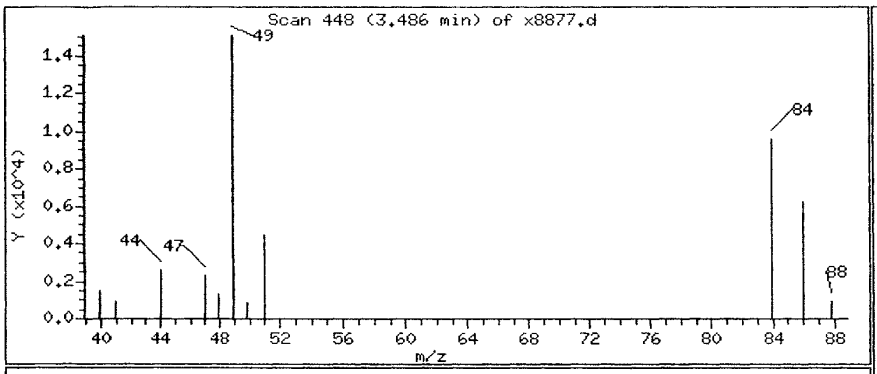
Operator: JCK

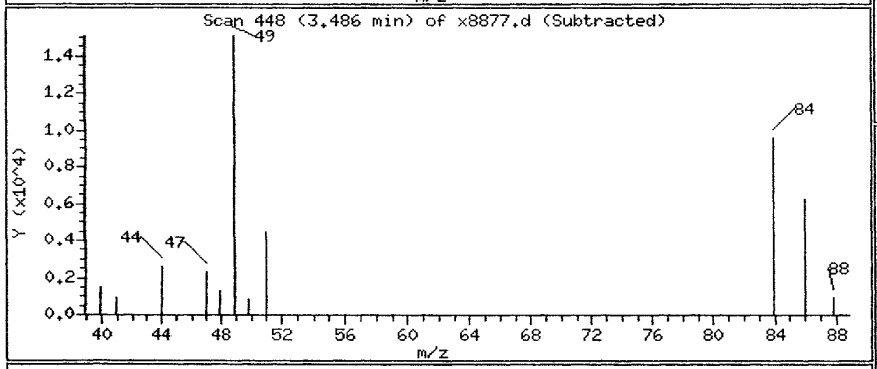
Column phase: DB-624-30M

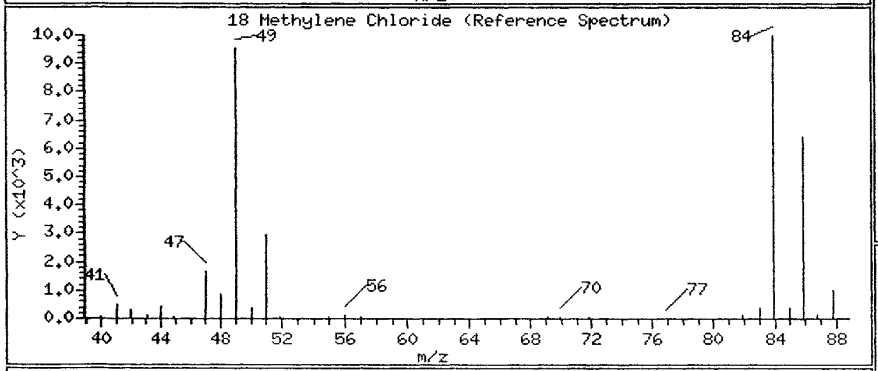
Column diameter: 0.53

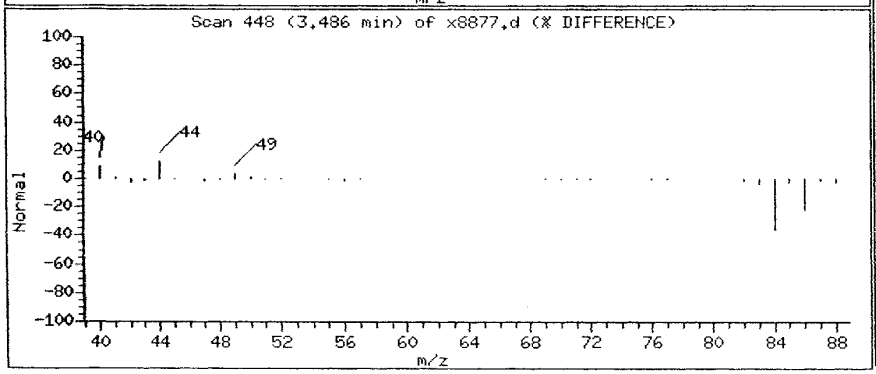
18 Methylene Chloride

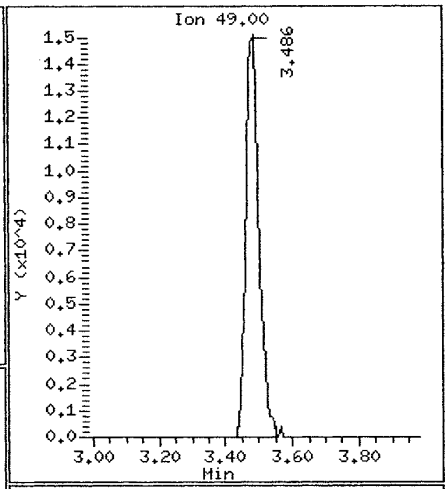
Concentration: 5.40 ug/Kg

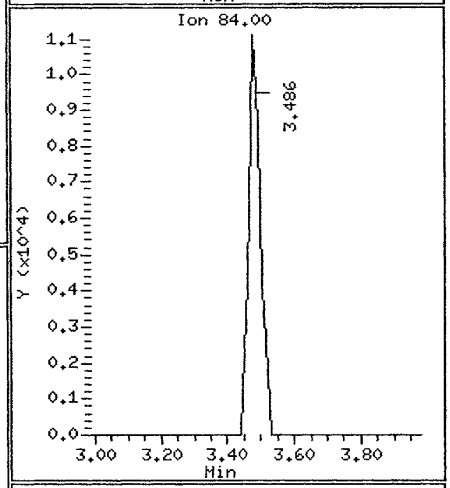


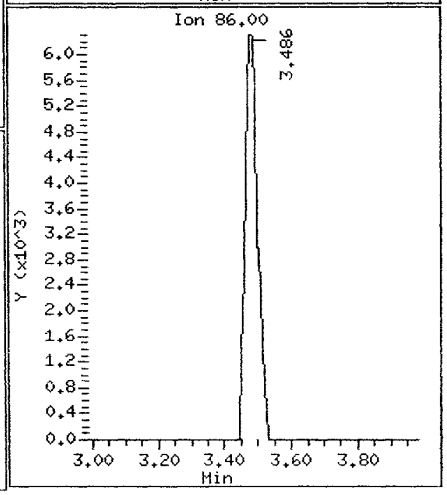












Data File: /var/chem/msv0.i/20080610.b/x8877.d

Date : 10-JUN-2008 15:02

Client ID:

Instrument: msv0.i

Sample Info: 20806052209*

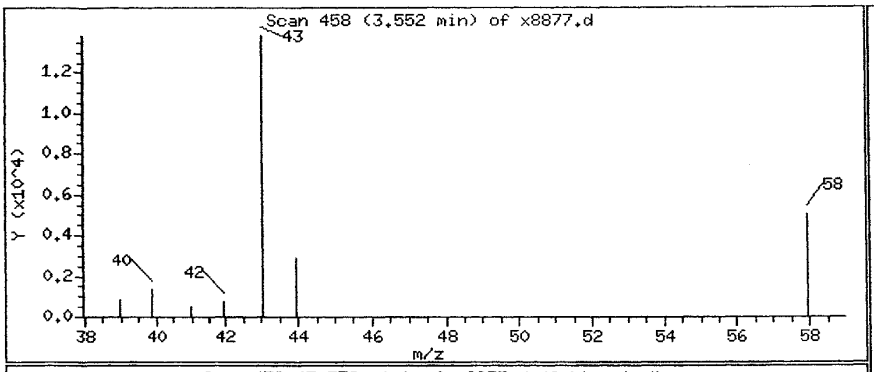
Operator: JCK

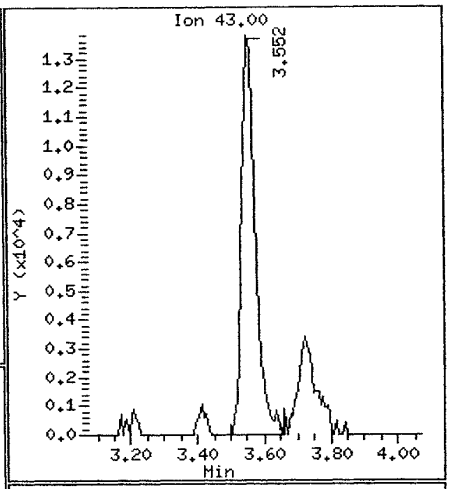
Column phase: DB-624-30M

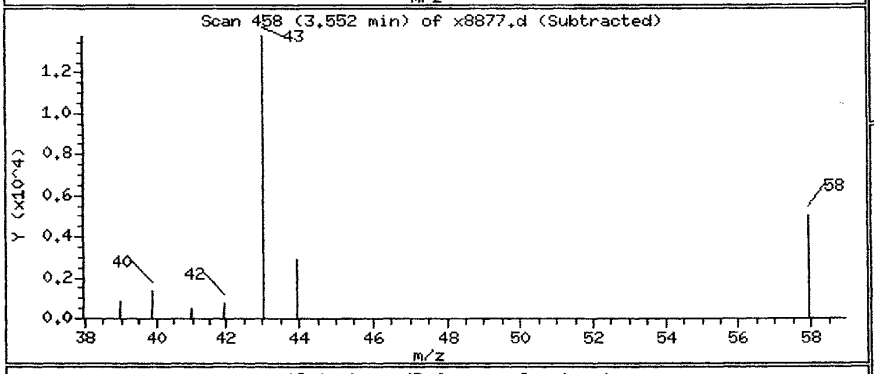
Column diameter: 0.53

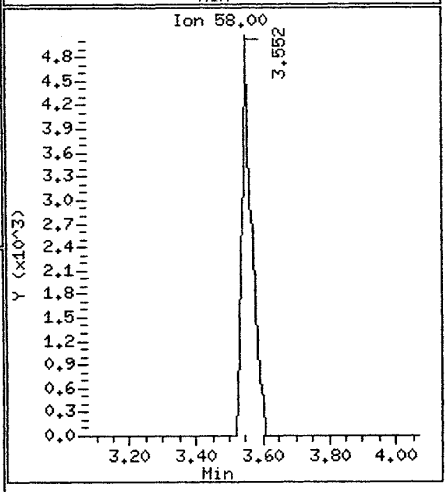
12 Acetone

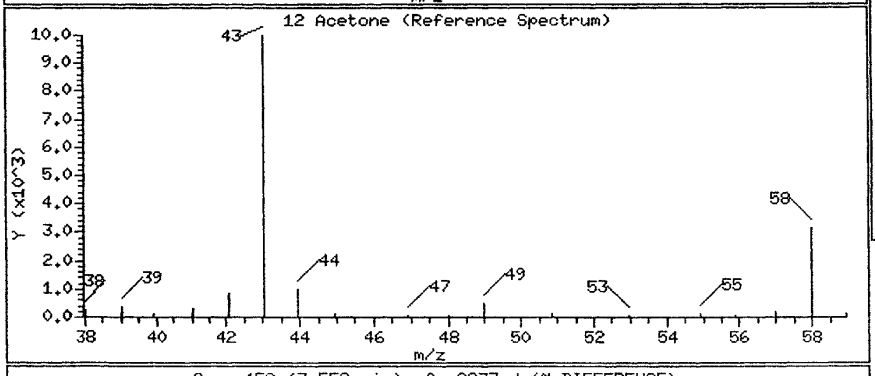
Concentration: 14.4 ug/Kg

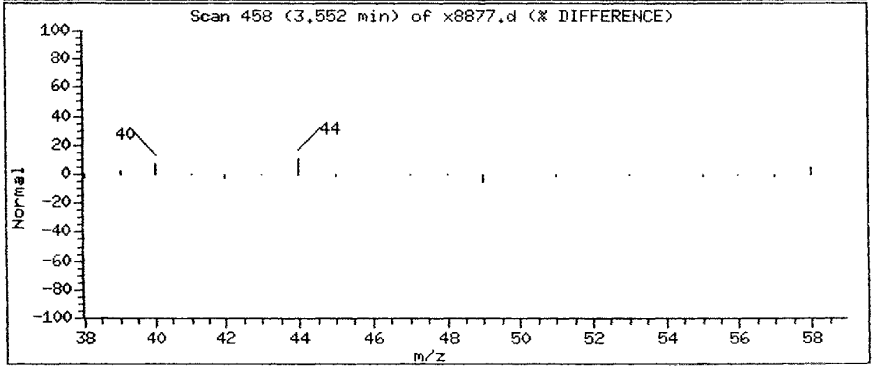












Data File: /var/chem/msv0.i/2080610.b/x8877.d

Date : 10-JUN-2008 15:02

Client ID:

Instrument: msv0.i

Sample Info: 20806052209*

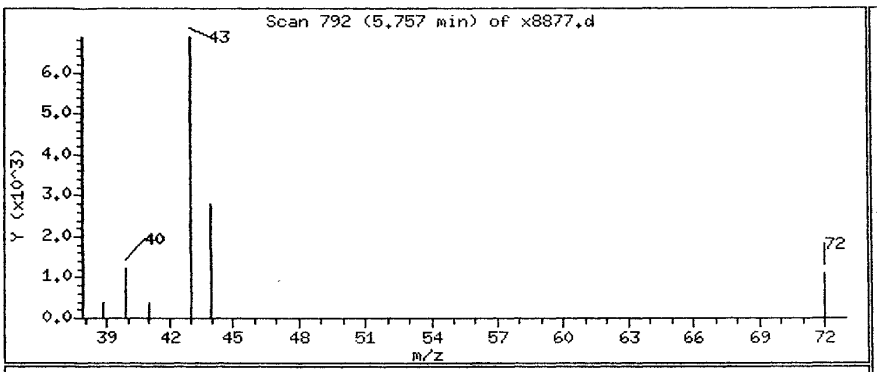
Operator: JCK

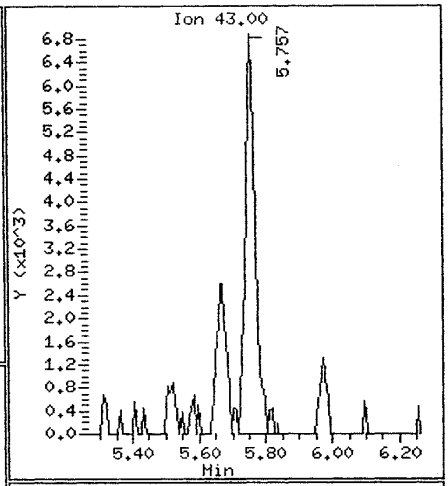
Column phase: DB-624-30M

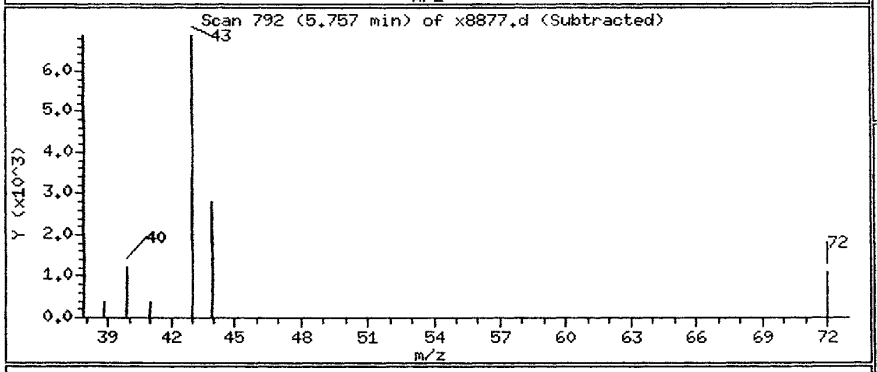
Column diameter: 0.53

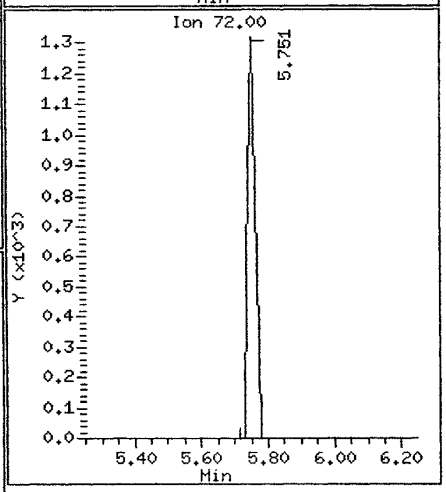
31 2-Butanone

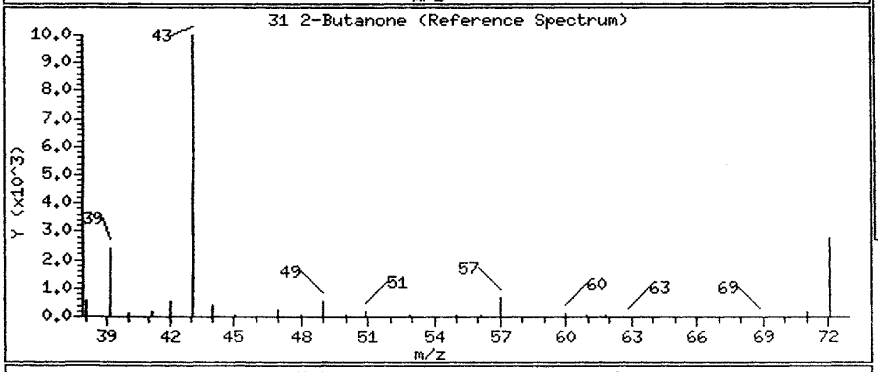
Concentration: 3.97 ug/Kg

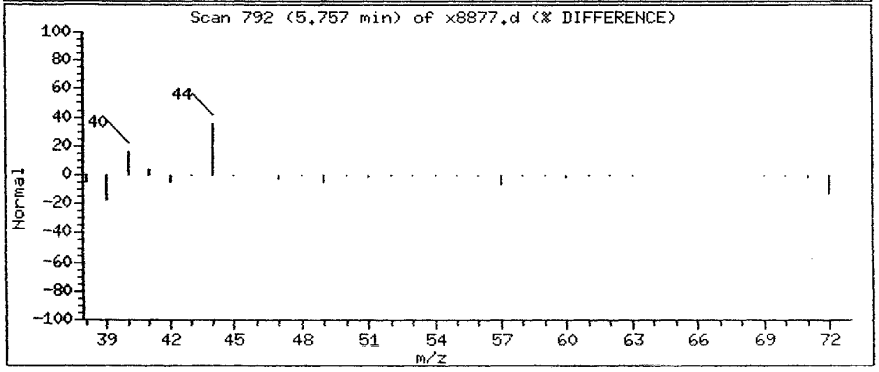












Data File: /var/chem/msv0.i/2080610.b/x8877.d

Date : 10-JUN-2008 15:02

Client ID:

Instrument: msv0.i

Sample Info: 20806052209x

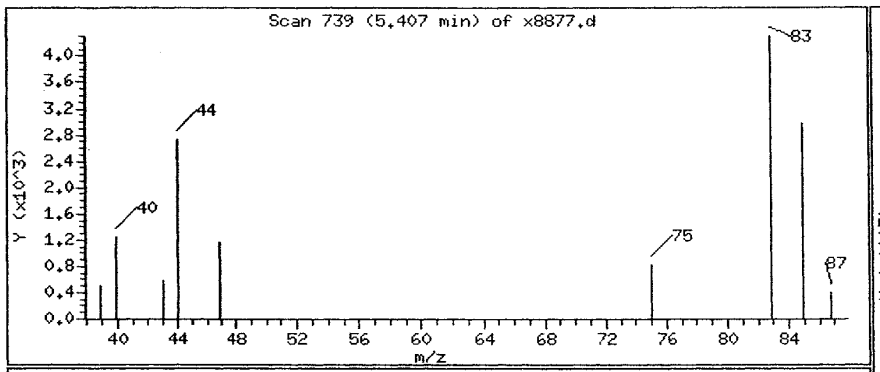
Operator: JCK

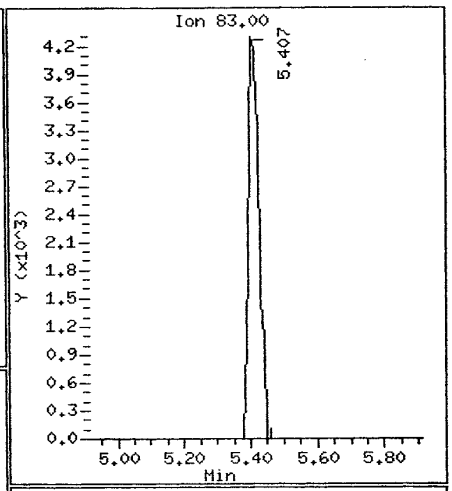
Column phase: DB-624-30M

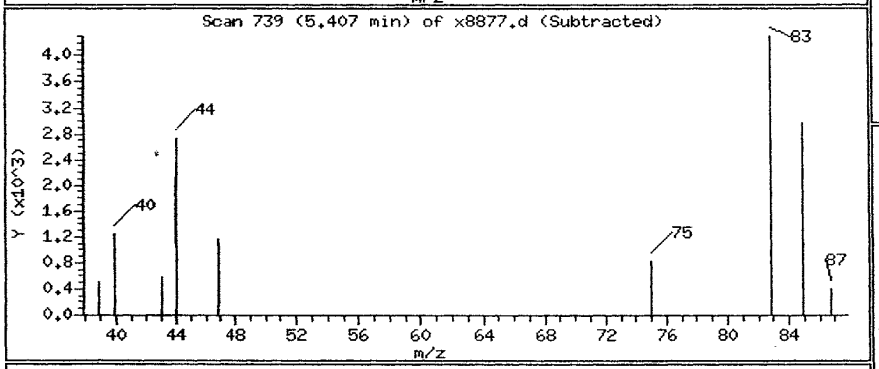
Column diameter: 0.53

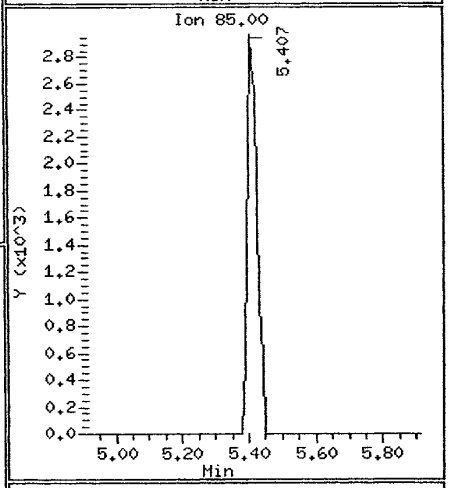
38 Chloroform +

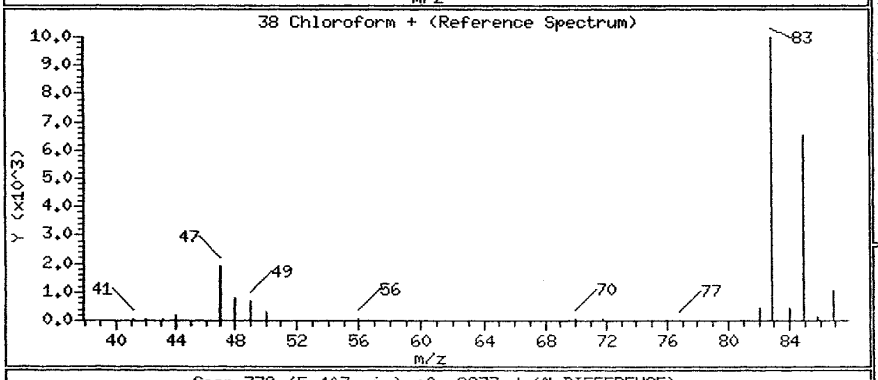
Concentration: 1.11 ug/Kg

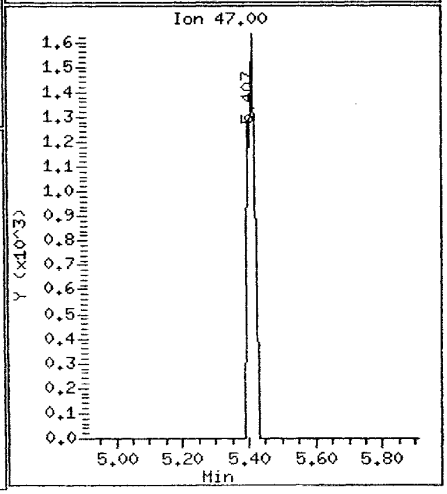


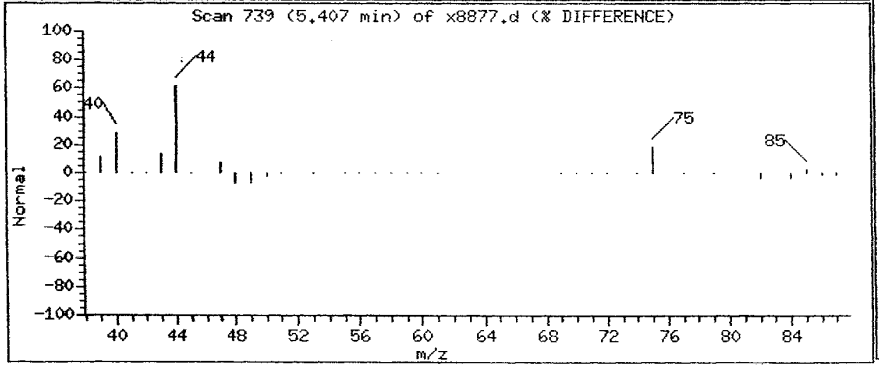






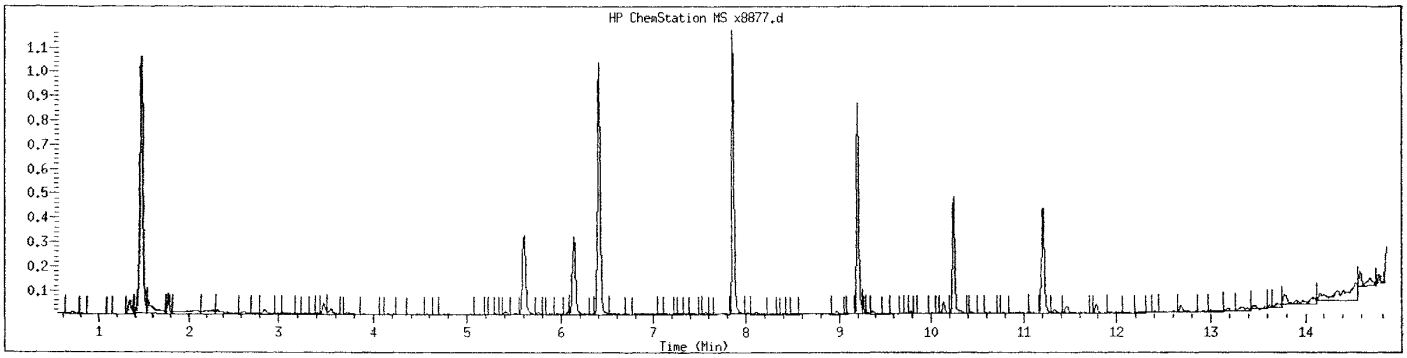






MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052209	SampleType	: SAMPLE
Injection Date	: 06/10/2008 15:02	Instrument	: msv0.i
Operator	: JCK		
Sample Info	: 20806052209*		
Misc Info	: MSV~13461~*1*JCK		
Method	: /var/chem/msv0.i/2080610.b/8260Bs0.m		
Dilution	: 1.00		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

170143

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SE600

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.49 (g/ml) g

Lab Sample ID: 20806052209

Level: (low/med) LOW

Lab File ID: 2080610/h4746s

% Moisture: not dec. 32.7

Date Collected: 06/04/08 Time: 0000

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

Date Received: 06/05/08

Instrument ID: MSV5

Date Analyzed: 06/10/08 Time: 1615

Soil Extract Volume: (µL)

Dilution Factor: 50

Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch:

Analytical Batch: 375306

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	0.068	U	0.013	0.068
71-36-3	n-Butyl alcohol	0.339	U	0.068	0.339

GCAL, Inc.

Data file : /var/chem/msv5.i/2080610.b/h4746s.d
Lab Smp Id: 20806052209
Inj Date : 10-JUN-2008 16:15
Operator : JCK Inst ID: msv5.i
Smp Info : 20806052209*
Misc Info : MSV~13460~*50*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 10-Jun-2008 17:08 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 19
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	5.49000	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
$ 39 Dibromofluoromethane	111	6.326	6.329	(0.887)	151279	48.8104	2220	6207
$ 48 1,2-Dichloroethane-d4	67	6.869	6.862	(0.963)	80614	46.8344	2130	
* 52 FLUOROBENZENE	96	7.130	7.134	(1.000)	576016	50.0000		
$ 67 Toluene-d8	98	8.575	8.570	(0.864)	472989	51.6716	2350	
* 83 CHLOROBENZENE-d5	82	9.924	9.918	(1.000)	239677	50.0000		
$ 94 Bromofluorobenzene	174	10.968	10.963	(1.105)	144894	53.1236	2420	
* 111 1,4-DICHLOROBENZENE-D4	152	12.013	12.010	(1.000)	174721	50.0000		

170145

Data File: /var/chem/msv5.i/2080610.b/h4746s.d

Page 1

Date : 10-JUN-2008 16:15

Client ID:

Instrument: msv5.i

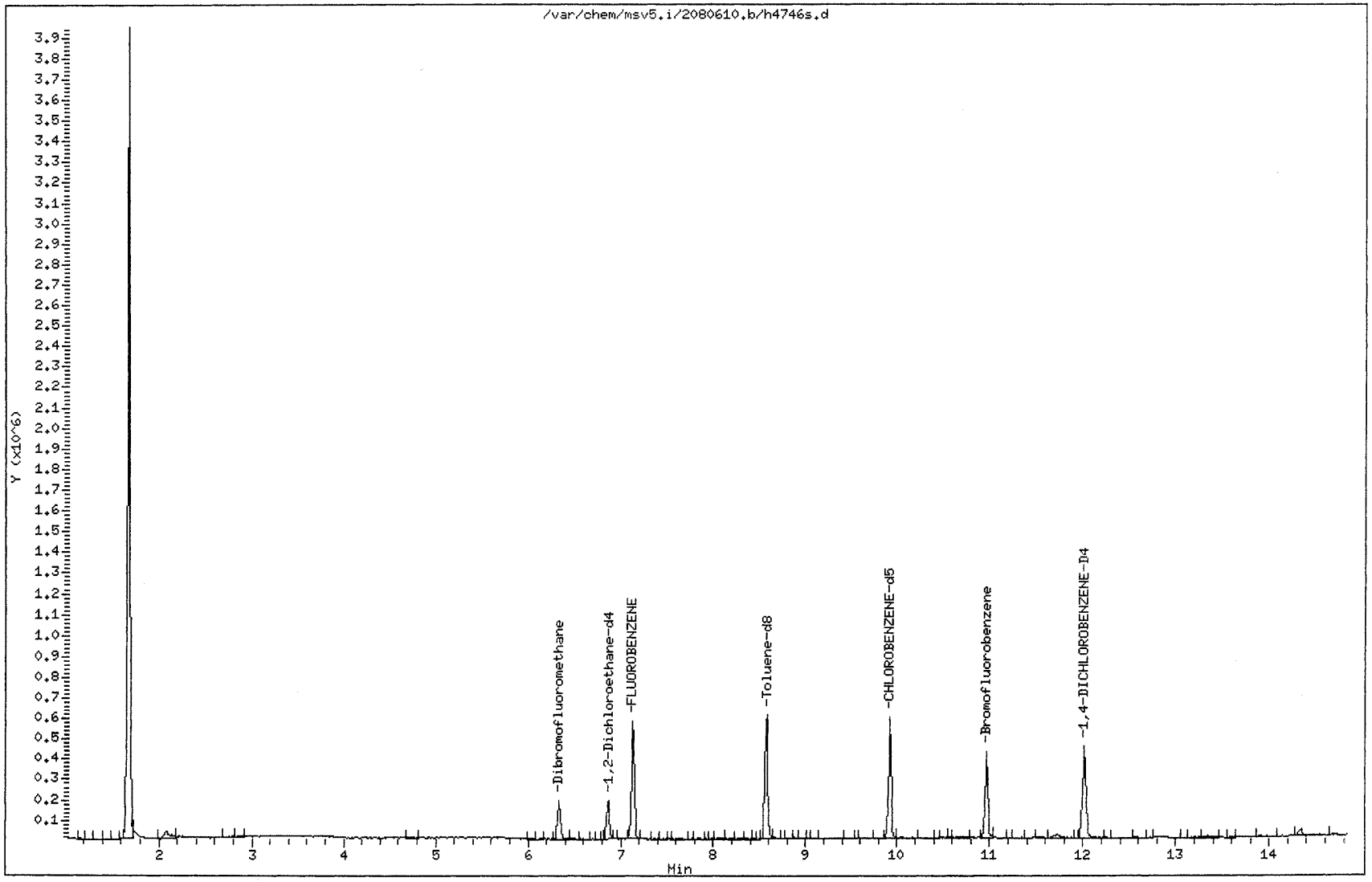
Sample Info: 20806052209*

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-30M

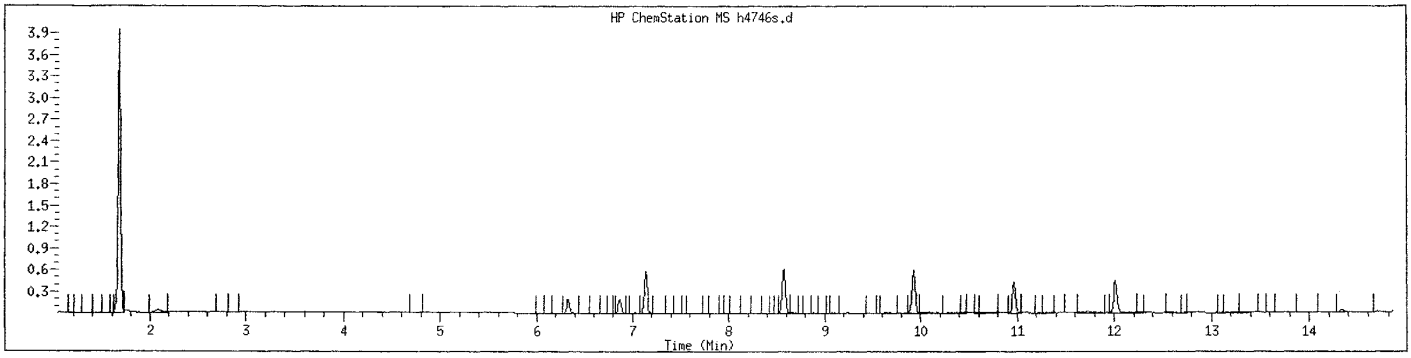
Column diameter: 0.53



170146

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052209	SampleType	: SAMPLE
Injection Date	: 06/10/2008 16:15	Instrument	: msv5.i
Operator	: JCK		
Sample Info	: 20806052209*		
Misc Info	: MSV~13460~*50*EGW		
Method	: /var/chem/msv5.i/2080610.b/8260Bw5.m		
Dilution	: 50.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SWSED8 (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.02 (g/ml) g

Lab Sample ID: 20806052210

Level: (low/med) LOW

Lab File ID: 2080610/x8881

% Moisture: not dec. 26.4

Date Collected: 06/04/08 Time: 1345

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

Date Received: 06/05/08

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1638

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00677	U	0.000238	0.00677
71-55-6	1,1,1-Trichloroethane	0.00677	U	0.000166	0.00677
79-34-5	1,1,2,2-Tetrachloroethane	0.00677	U	0.000244	0.00677
79-00-5	1,1,2-Trichloroethane	0.00677	U	0.000154	0.00677
75-34-3	1,1-Dichloroethane	0.00677	U	0.000215	0.00677
75-35-4	1,1-Dichloroethene	0.00677	U	0.000486	0.00677
563-58-6	1,1-Dichloropropene	0.00677	U	0.000176	0.00677
96-18-4	1,2,3-Trichloropropane	0.00271	U	0.000332	0.00271
120-82-1	1,2,4-Trichlorobenzene	0.00677	U	0.000443	0.00677
95-63-6	1,2,4-Trimethylbenzene	0.00677	U	0.000268	0.00677
96-12-8	1,2-Dibromo-3-chloropropane	0.00677	U	0.00117	0.00677
106-93-4	1,2-Dibromoethane	0.00677	U	0.000203	0.00677
95-50-1	1,2-Dichlorobenzene	0.00677	U	0.000154	0.00677
107-06-2	1,2-Dichloroethane	0.00232	J	0.000154	0.00677
78-87-5	1,2-Dichloropropane	0.00677	U	0.000152	0.00677
108-67-8	1,3,5-Trimethylbenzene	0.00677	U	0.000221	0.00677
541-73-1	1,3-Dichlorobenzene	0.00677	U	0.000319	0.00677
142-28-9	1,3-Dichloropropane	0.00677	U	0.000184	0.00677
106-46-7	1,4-Dichlorobenzene	0.00677	U	0.000570	0.00677
594-20-7	2,2-Dichloropropane	0.00677	U	0.000238	0.00677
78-93-3	2-Butanone	0.00677	U	0.000422	0.00677
95-49-8	2-Chlorotoluene	0.00677	U	0.000203	0.00677
591-78-6	2-Hexanone	0.00677	U	0.00112	0.00677
106-43-4	4-Chlorotoluene	0.00677	U	0.000440	0.00677
99-87-6	4-Isopropyltoluene	0.00677	U	0.000218	0.00677
108-10-1	4-Methyl-2-pentanone	0.00677	U	0.000234	0.00677
67-64-1	Acetone	0.034	U	0.000506	0.034
107-02-8	Acrolein	0.034	U	0.00317	0.034
107-13-1	Acrylonitrile	0.034	U	0.000964	0.034
71-43-2	Benzene	0.00677	U	0.000141	0.00677
108-86-1	Bromobenzene	0.00677	U	0.000318	0.00677

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SWSED8 (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.02 (g/ml) g

Lab Sample ID: 20806052210

Level: (low/med) LOW

Lab File ID: 2080610/x8881

% Moisture: not dec. 26.4

Date Collected: 06/04/08 Time: 1345

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

Date Received: 06/05/08

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1638

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-27-4	Bromodichloromethane	0.00677	U	0.000183	0.00677
75-25-2	Bromoform	0.00677	U	0.000229	0.00677
74-83-9	Bromomethane	0.00677	U	0.00204	0.00677
104-51-8	n-Butylbenzene	0.00677	U	0.000241	0.00677
75-15-0	Carbon disulfide	0.00677	U	0.000148	0.00677
56-23-5	Carbon tetrachloride	0.00677	U	0.000162	0.00677
108-90-7	Chlorobenzene	0.00677	U	0.000223	0.00677
75-00-3	Chloroethane	0.00677	U	0.000820	0.00677
67-66-3	Chloroform	0.00156	JB	0.000191	0.00677
74-87-3	Chloromethane	0.00677	U	0.000628	0.00677
110-82-7	Cyclohexane	0.00677	U	0.00150	0.00677
124-48-1	Dibromochloromethane	0.00677	U	0.000122	0.00677
74-95-3	Dibromomethane	0.00677	U	0.000211	0.00677
75-71-8	Dichlorodifluoromethane	0.00677	U	0.000493	0.00677
10061-01-5	cis-1,3-Dichloropropene	0.00677	U	0.000156	0.00677
10061-02-6	trans-1,3-Dichloropropene	0.00677	U	0.000191	0.00677
100-41-4	Ethylbenzene	0.00677	U	0.000280	0.00677
87-68-3	Hexachlorobutadiene	0.00677	U	0.00168	0.00677
98-82-8	Isopropylbenzene (Cumene)	0.00677	U	0.000207	0.00677
79-20-9	Methyl Acetate	0.00677	U	0.00207	0.00677
74-88-4	Methyl iodide	0.00677	U	0.00123	0.00677
108-87-2	Methylcyclohexane	0.00677	U	0.000501	0.00677
75-09-2	Methylene chloride	0.00563	JB	0.000648	0.014
91-20-3	Naphthalene	0.00677	U	0.000509	0.00677
100-42-5	Styrene	0.00677	U	0.000206	0.00677
127-18-4	Tetrachloroethene	0.00677	U	0.000260	0.00677
108-88-3	Toluene	0.00162	J	0.000744	0.00677
79-01-6	Trichloroethene	0.00677	U	0.000240	0.00677
75-69-4	Trichlorofluoromethane	0.00677	U	0.000341	0.00677
76-13-1	Trichlorotrifluoroethane	0.00677	U	0.000254	0.00677
108-05-4	Vinyl acetate	0.00677	U	0.00132	0.00677
75-01-4	Vinyl chloride	0.00677	U	0.000475	0.00677

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SWSED8 (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.02 (g/ml) g

Lab Sample ID: 20806052210

Level: (low/med) LOW

Lab File ID: 2080610/x8881

% Moisture: not dec. 26.4

Date Collected: 06/04/08 Time: 1345

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

Date Received: 06/05/08

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1638

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

CONCENTRATION UNITS: *mg/kg*

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.014	U	0.000774	0.014
156-59-2	cis-1,2-Dichloroethene	0.00677	U	0.000171	0.00677
136777-61-	m,p-Xylene	0.00677	U	0.000539	0.00677
103-65-1	n-Propylbenzene	0.00677	U	0.000189	0.00677
95-47-6	o-Xylene	0.00677	U	0.000235	0.00677
135-98-8	sec-Butylbenzene	0.00677	U	0.000158	0.00677
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00677	U	0.000100	0.00677
98-06-6	tert-Butylbenzene	0.00677	U	0.000341	0.00677
156-60-5	trans-1,2-Dichloroethene	0.00677	U	0.000222	0.00677
110-57-6	trans-1,4-Dichloro-2-butene	0.00677	U	0.000976	0.00677

GCAL, Inc.

Data file : /var/chem/msv0.i/2080610.b/x8881.d
Lab Smp Id: 20806052210
Inj Date : 10-JUN-2008 16:38
Operator : JCK Inst ID: msv0.i
Smp Info : 20806052210*
Misc Info : MSV~13461~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080610.b/8260Bs0.m
Meth Date : 10-Jun-2008 16:13 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 00:07 Cal File: x8806.d
Als bottle: 12
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)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
18 Methylene Chloride	49	3.483	3.482	(0.543)	37204	4.15781	4.14	8366
38 Chloroform +	83	5.411	5.410	(0.844)	11690	1.15422	1.15	7724
$ 41 Dibromofluoromethane	111	5.602	5.608	(0.873)	297422	52.6117	52.4	5005
$ 47 1,2-Dichloroethane-d4	67	6.137	6.143	(0.957)	139011	54.5735	54.4	9481
48 1,2-Dichloroethane	62	6.203	6.209	(0.967)	10622	1.71665	1.71	7061(H)
* 49 FLUOROBENZENE	96	6.414	6.413	(1.000)	1137045	50.0000		9718
$ 67 Toluene-d8	98	7.867	7.866	(0.854)	1065939	50.3467	50.1	9679
68 Toluene +	91	7.913	7.905	(0.859)	32257	1.19588	1.19	8769
* 85 Chlorobenzene-d5	82	9.207	9.206	(1.000)	492575	50.0000		2258
$ 98 Bromofluorobenzene	174	10.250	10.249	(1.113)	285971	53.3908	53.2	9663
* 115 1,4-DICHLOROBENZENE-D4	152	11.207	11.207	(1.000)	345769	50.0000		4249

QC Flag Legend

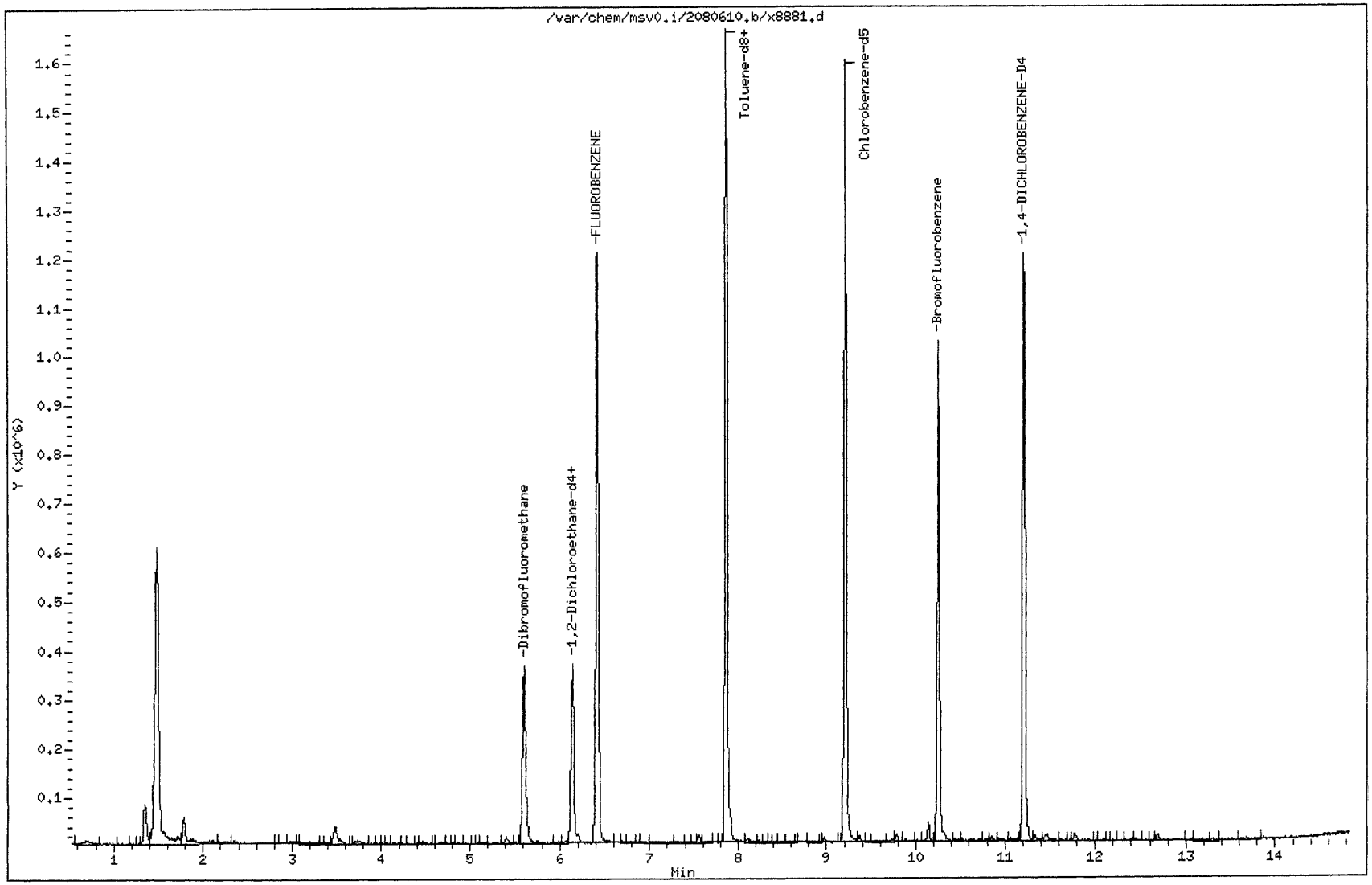
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv0.i/2080610.b/x8881.d
Date : 10-JUN-2008 16:38
Client ID:
Sample Info: 20806052210*

Column phase: DB-624-30M

Instrument: msv0.i

Operator: JCK
Column diameter: 0.53



Data File: /var/chem/msv0.i/2080610.b/x8881.d

Date : 10-JUN-2008 16:38

Client ID:

Instrument: msv0.i

Sample Info: 20806052210*

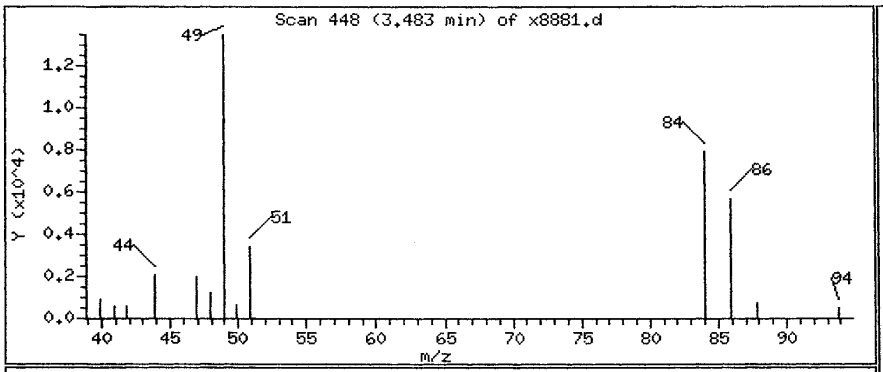
Operator: JCK

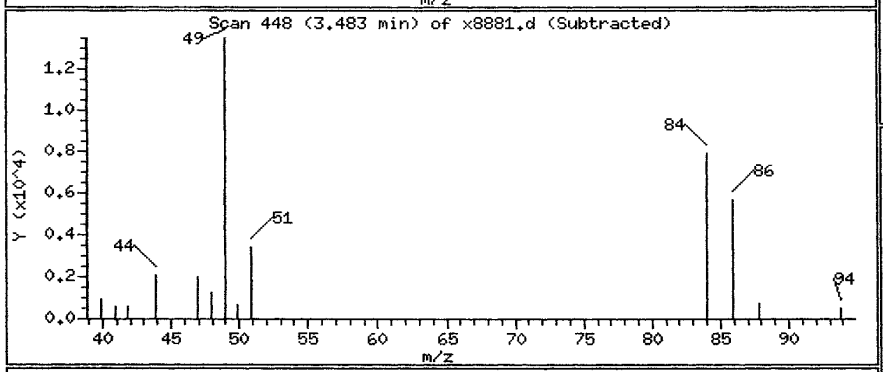
Column phase: DB-624-30M

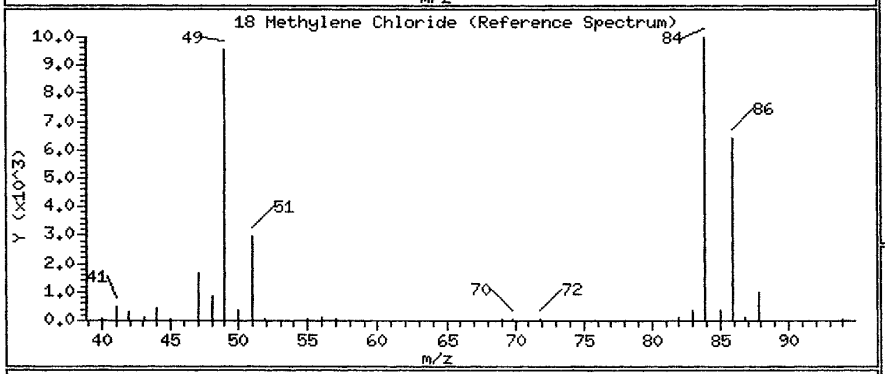
Column diameter: 0.53

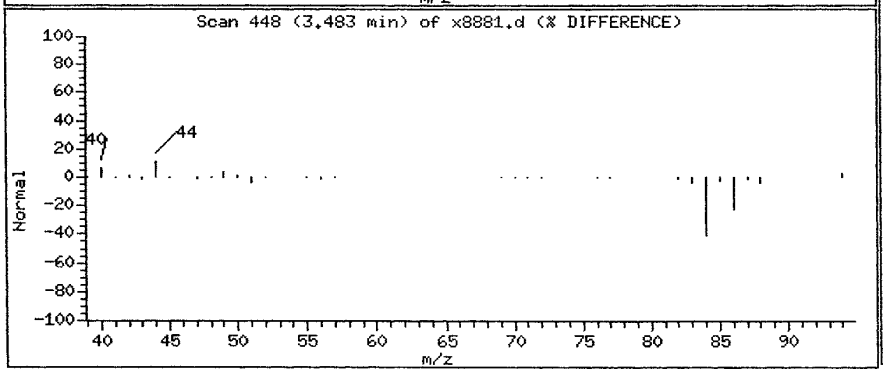
18 Methylene Chloride

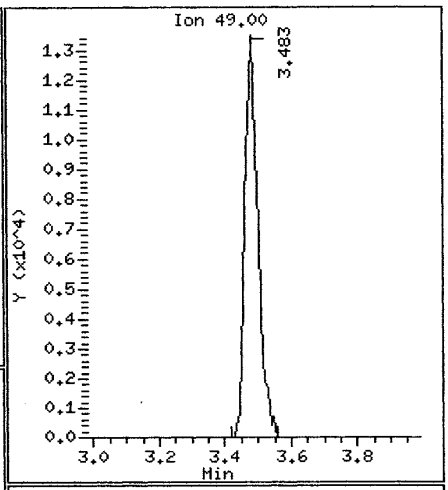
Concentration: 4.14 ug/Kg

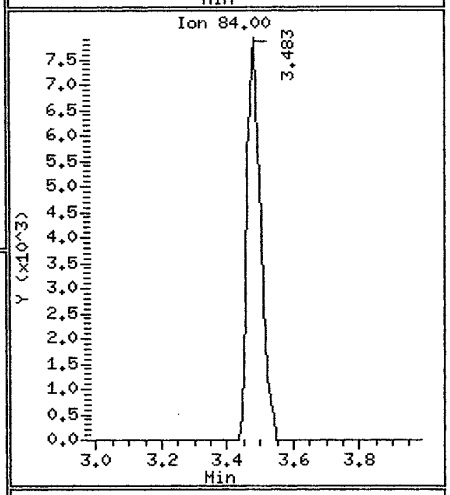


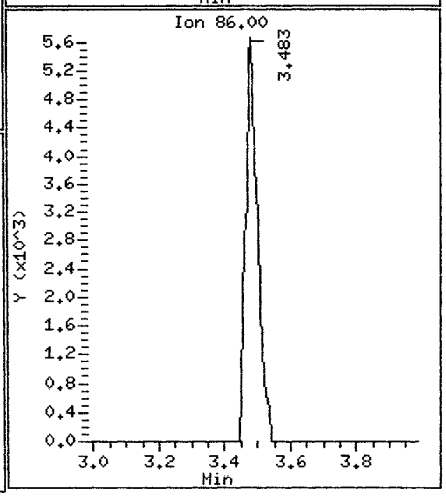












170154

Data File: /var/chem/msv0.i/2080610.b/x8881.d

Date : 10-JUN-2008 16:38

Client ID:

Instrument: msv0.i

Sample Info: 20806052210*

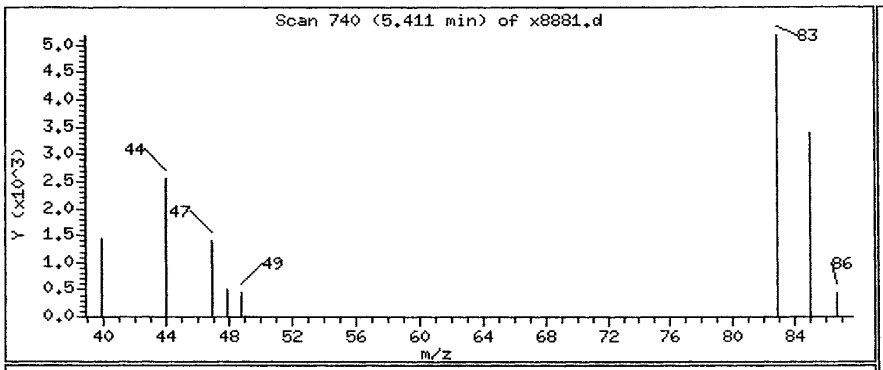
Operator: JCK

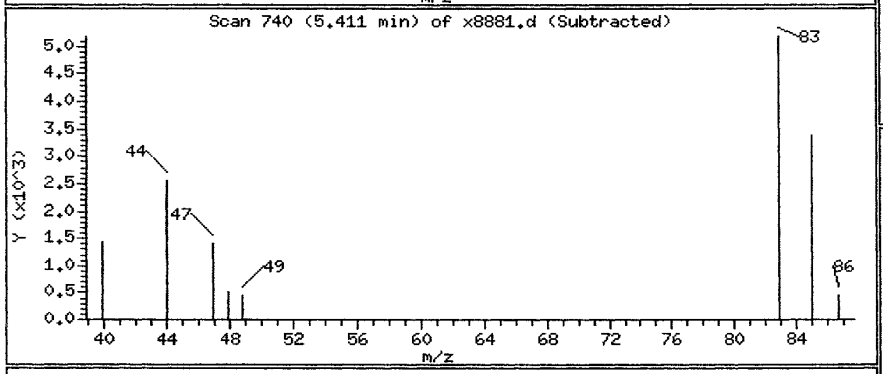
Column phase: DB-624-30M

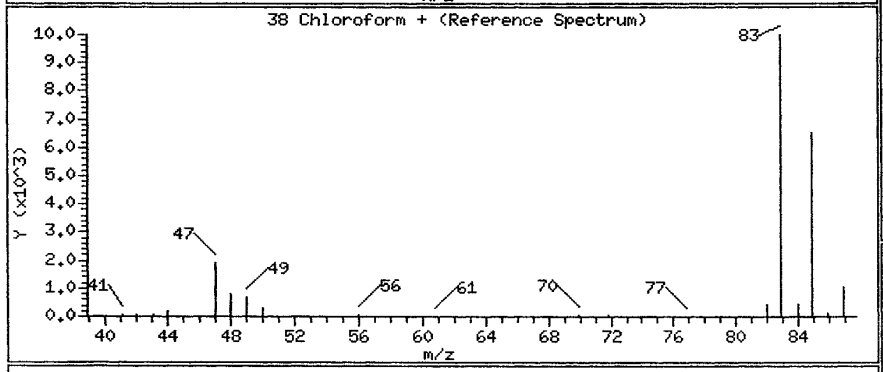
Column diameter: 0.53

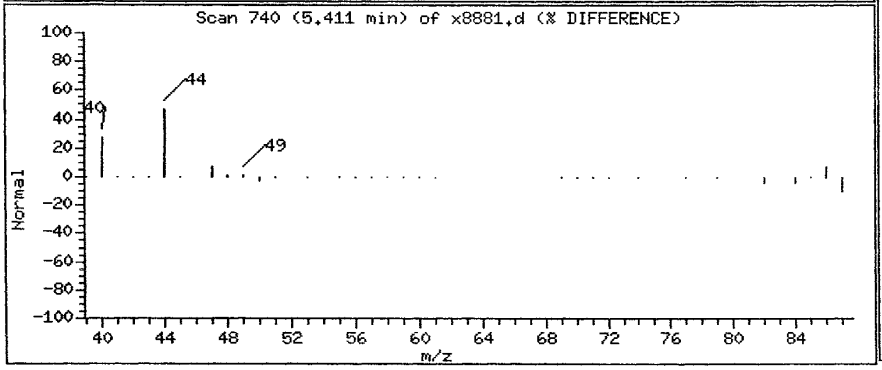
38 Chloroform +

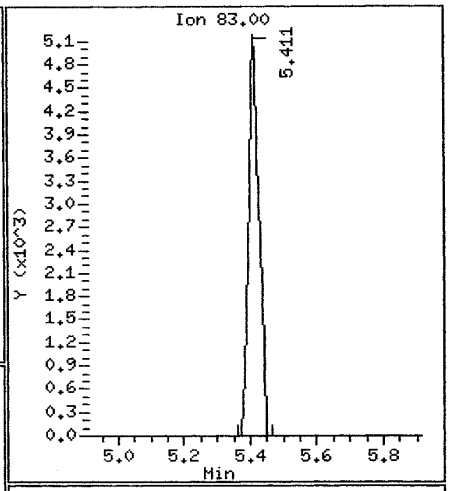
Concentration: 1.15 ug/Kg

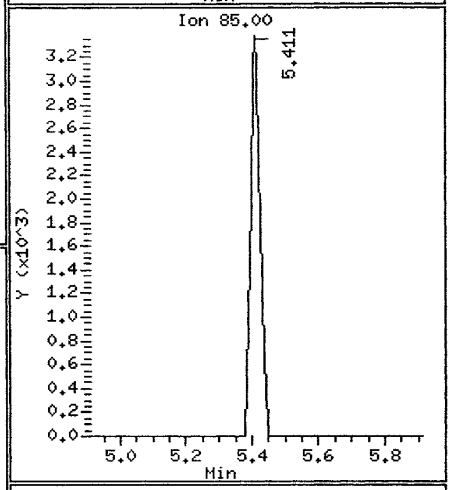


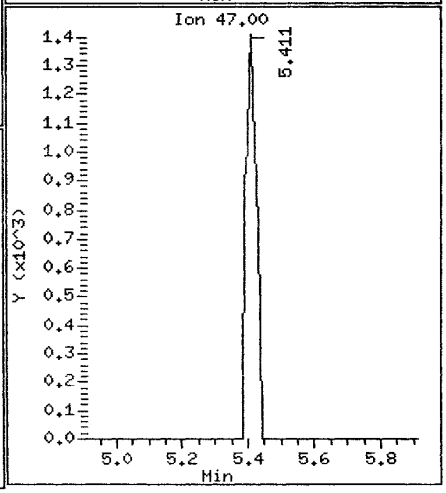












Data File: /var/chem/msv0.i/2080610.b/x8881.d

Date : 10-JUN-2008 16:38

Client ID:

Instrument: msv0.i

Sample Info: 20806052210*

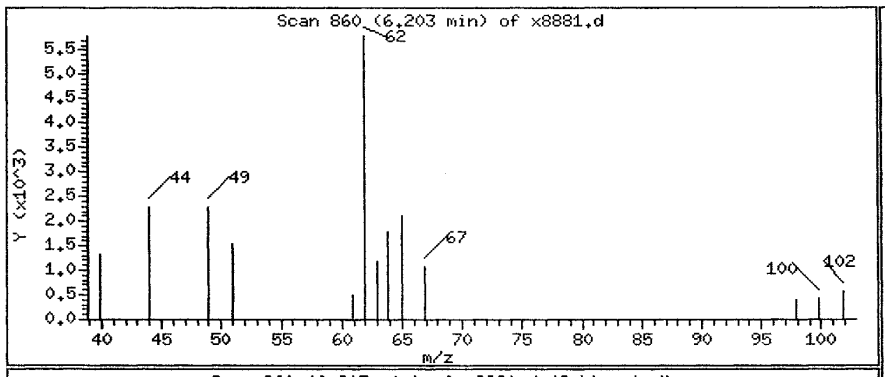
Operator: JCK

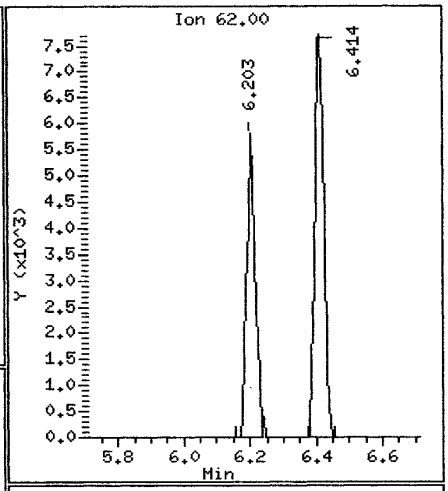
Column phase: DB-624-30M

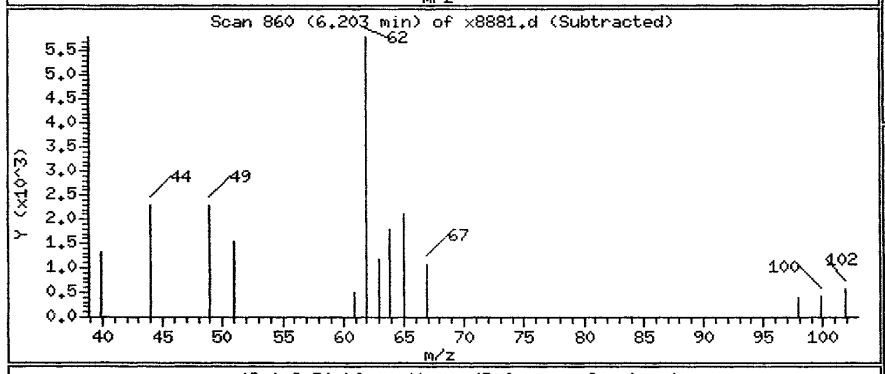
Column diameter: 0.53

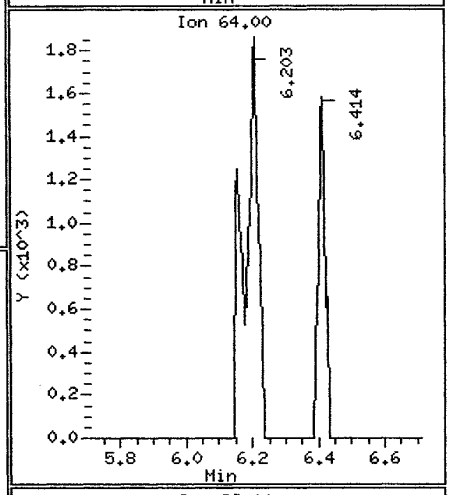
48 1,2-Dichloroethane

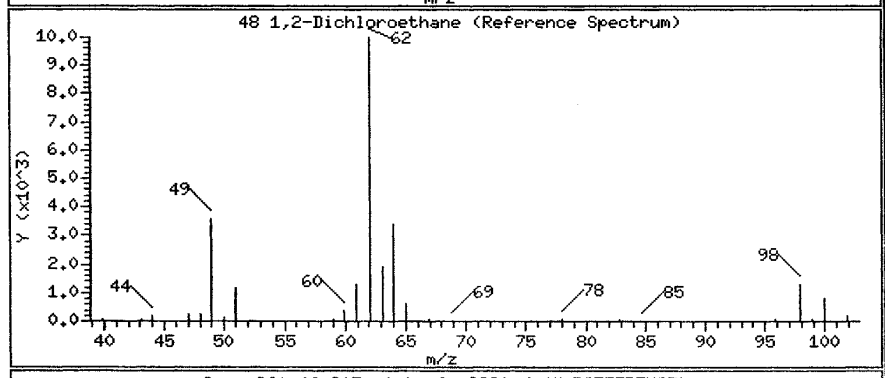
Concentration: 1.71 ug/Kg

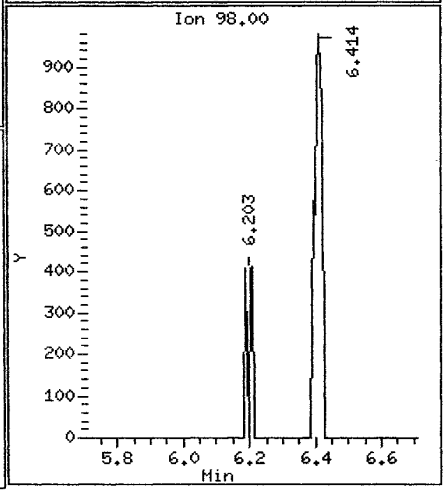


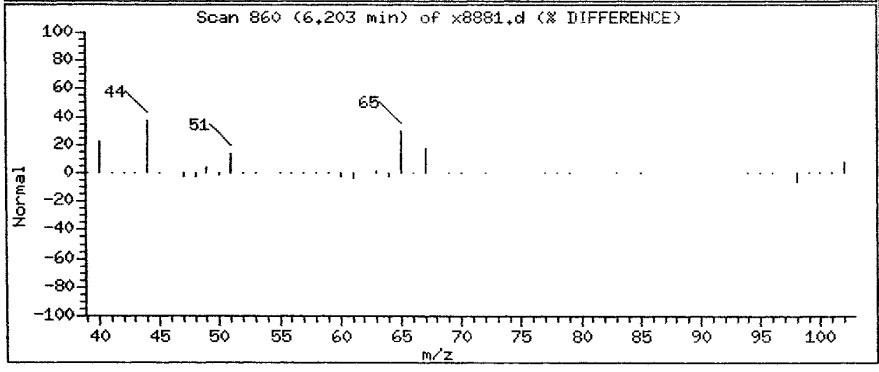












170156

Data File: /var/chem/msv0.i/2080610.b/x8881.d

Date : 10-JUN-2008 16:38

Client ID:

Instrument: msv0.i

Sample Info: 20806052210*

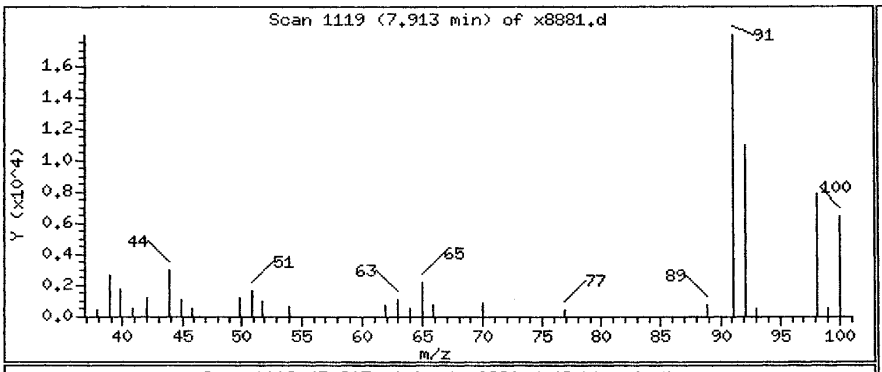
Operator: JCK

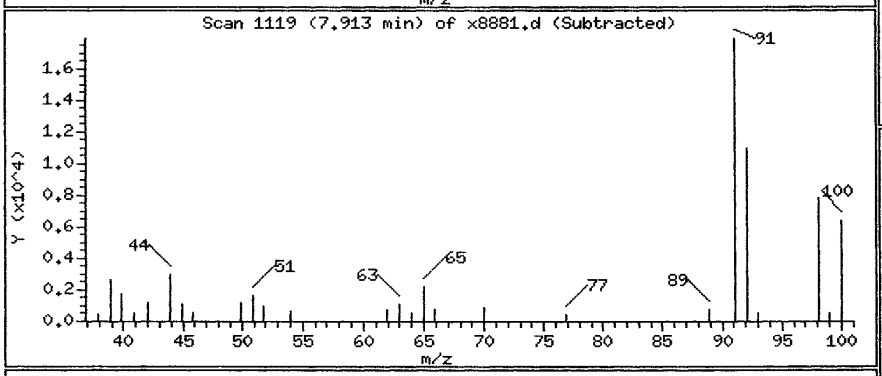
Column phase: DB-624-30M

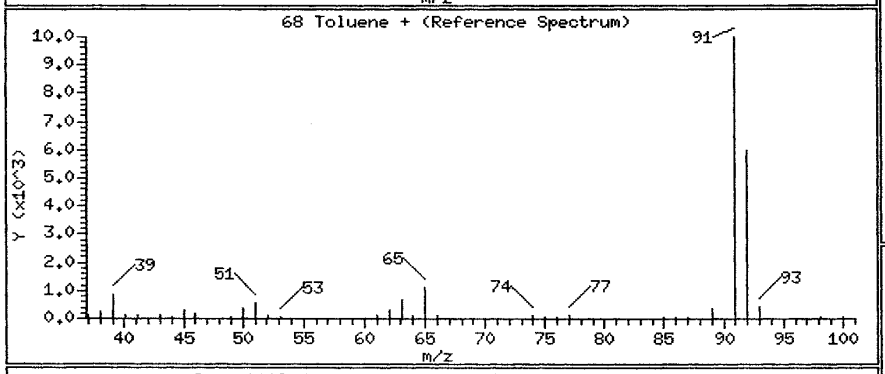
Column diameter: 0.53

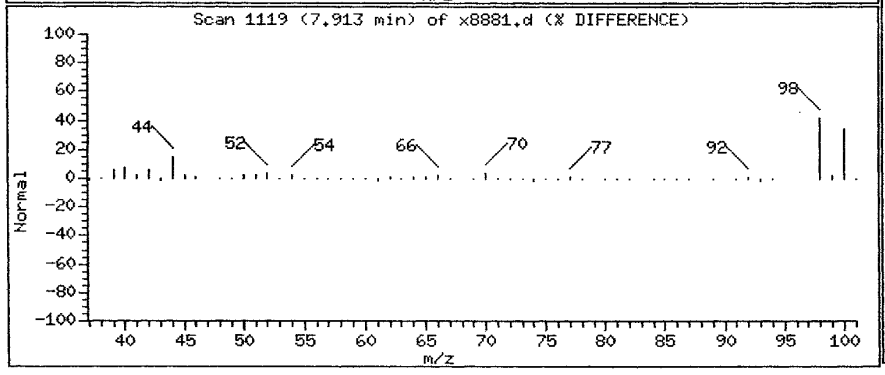
68 Toluene +

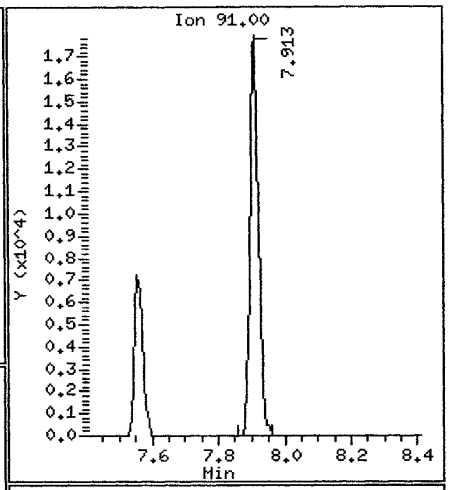
Concentration: 1.19 ug/Kg

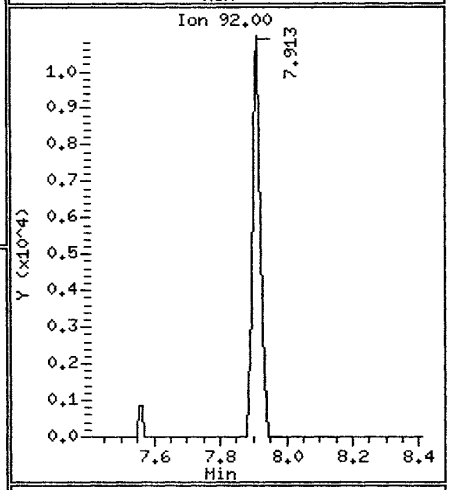


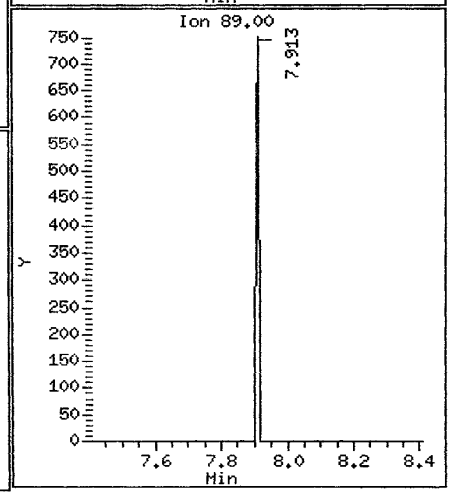






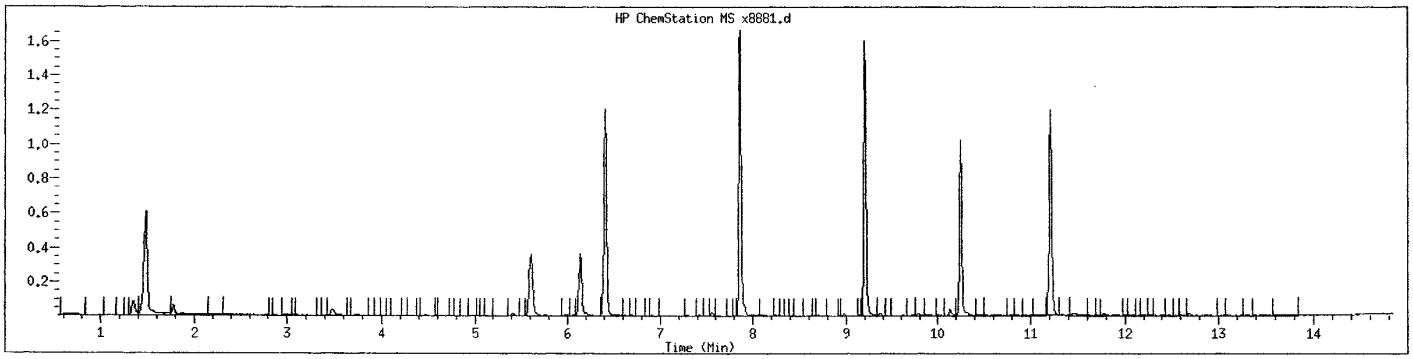






MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052210 SampleType : SAMPLE
Injection Date: 06/10/2008 16:38 Instrument : msv0.i
Operator : JCK
Sample Info : 20806052210*
Misc Info : MSV~13461~*1*JCK
Method : /var/chem/msv0.i/2080610.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SWSED8 (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.28 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 26.4

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

Instrument ID: MSV5

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20806052210

Lab File ID: 2080610/h4747s

Date Collected: 06/04/08 Time: 1345

Date Received: 06/05/08

Date Analyzed: 06/10/08 Time: 1638

Dilution Factor: 50 Analyst: JCK

Prep Batch: Analytical Batch: 375306

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	0.064	U	0.013	0.064
71-36-3	n-Butyl alcohol	0.322	U	0.064	0.322

GCAL, Inc.

Data file : /var/chem/msv5.i/2080610.b/h4747s.d
Lab Smp Id: 20806052210
Inj Date : 10-JUN-2008 16:38
Operator : JCK Inst ID: msv5.i
Smp Info : 20806052210*
Misc Info : MSV~13460~*50*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 10-Jun-2008 17:08 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 20
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	5.28000	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
$ 39 Dibromofluoromethane	111	6.326	6.329	(0.887)	153315	49.6547	2350	6212
$ 48 1,2-Dichloroethane-d4	67	6.858	6.862	(0.962)	77628	45.2704	2140	
* 52 FLUOROBENZENE	96	7.130	7.134	(1.000)	573843	50.0000		
$ 67 Toluene-d8	98	8.575	8.570	(0.864)	486953	52.3879	2480	
* 83 CHLOROBENZENE-d5	82	9.922	9.918	(1.000)	243379	50.0000		
$ 94 Bromofluorobenzene	174	10.966	10.963	(1.105)	147354	53.2038	2520	
* 111 1,4-DICHLOROBENZENE-D4	152	12.010	12.010	(1.000)	183431	50.0000		

170160

Data File: /var/chem/msv5.i/2080610.b/h4747s.d

Page 1

Date : 10-JUN-2008 16:38

Client ID:

Instrument: msv5.i

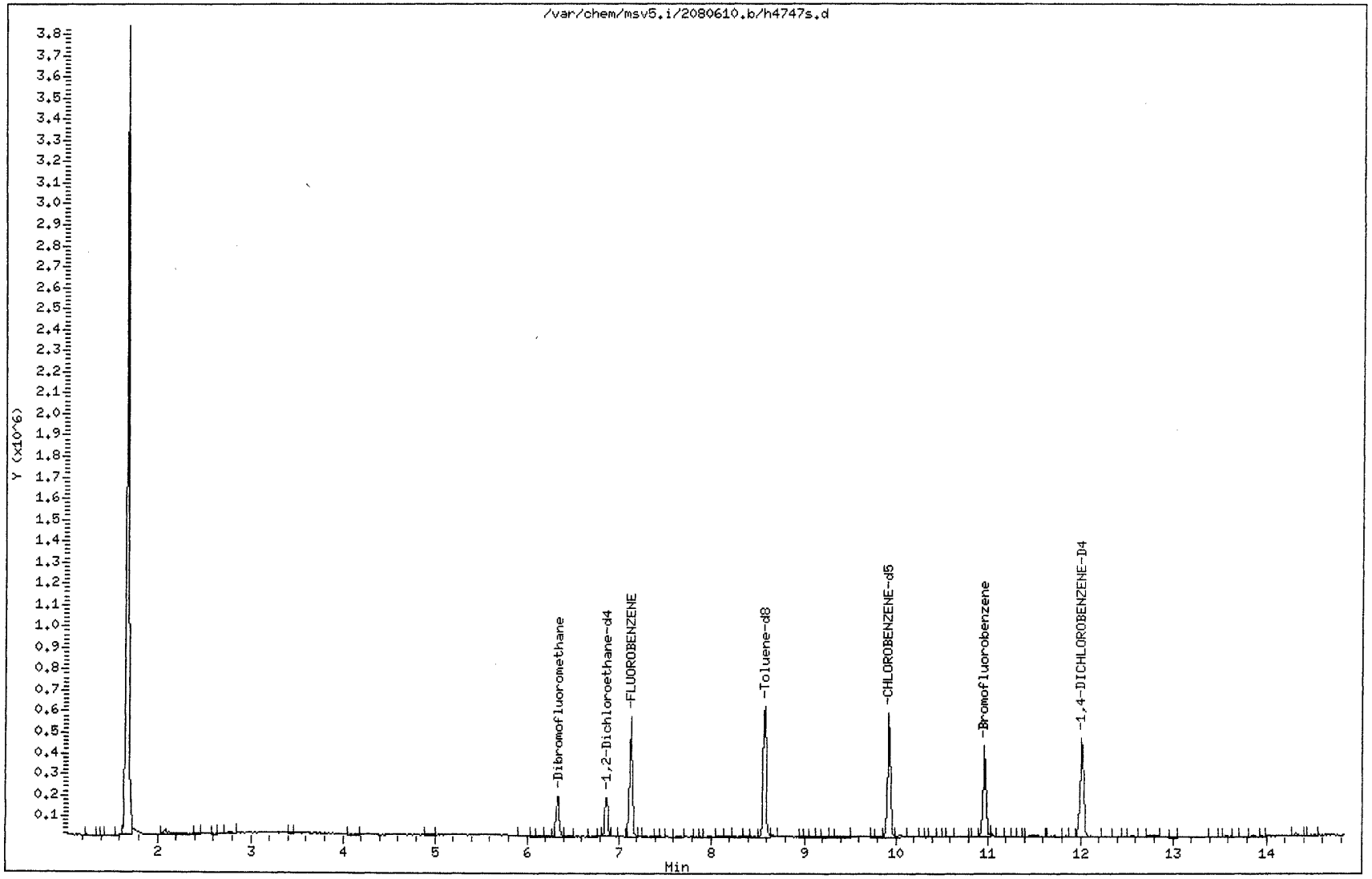
Sample Info: 20806052210x

Purge Volume: 5.0

Operator: JCK

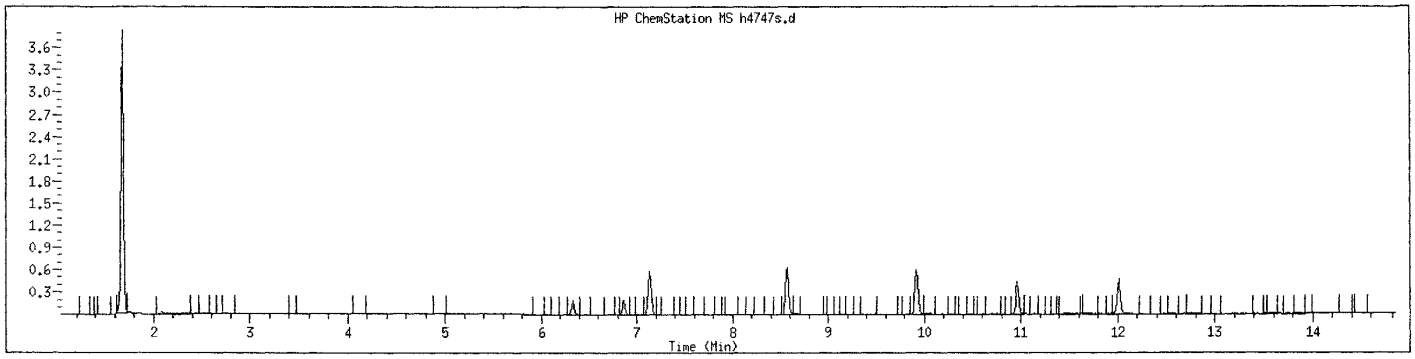
Column phase: DB-VRX-30M

Column diameter: 0.53



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052210 SampleType : SAMPLE
Injection Date: 06/10/2008 16:38 Instrument : msv5.i
Operator : JCK
Sample Info : 20806052210*
Misc Info : MSV~13460~*50*EGW
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Dilution : 50.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

170162

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED10 (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

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

Lab Sample ID: 20806052211

Level: (low/med) LOW

Lab File ID: 2080610/x8882

% Moisture: not dec. 19.5

Date Collected: 06/04/08 Time: 1440

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

Date Received: 06/05/08

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1701

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00621	U	0.000219	0.00621
71-55-6	1,1,1-Trichloroethane	0.00621	U	0.000153	0.00621
79-34-5	1,1,2,2-Tetrachloroethane	0.00621	U	0.000224	0.00621
79-00-5	1,1,2-Trichloroethane	0.00621	U	0.000142	0.00621
75-34-3	1,1-Dichloroethane	0.00621	U	0.000197	0.00621
75-35-4	1,1-Dichloroethene	0.00621	U	0.000446	0.00621
563-58-6	1,1-Dichloropropene	0.00621	U	0.000161	0.00621
96-18-4	1,2,3-Trichloropropane	0.00248	U	0.000304	0.00248
120-82-1	1,2,4-Trichlorobenzene	0.00621	U	0.000406	0.00621
95-63-6	1,2,4-Trimethylbenzene	0.00621	U	0.000246	0.00621
96-12-8	1,2-Dibromo-3-chloropropane	0.00621	U	0.00108	0.00621
106-93-4	1,2-Dibromoethane	0.00621	U	0.000186	0.00621
95-50-1	1,2-Dichlorobenzene	0.00621	U	0.000142	0.00621
107-06-2	1,2-Dichloroethane	0.00183	J	0.000142	0.00621
78-87-5	1,2-Dichloropropane	0.00621	U	0.000139	0.00621
108-67-8	1,3,5-Trimethylbenzene	0.00621	U	0.000202	0.00621
541-73-1	1,3-Dichlorobenzene	0.00621	U	0.000293	0.00621
142-28-9	1,3-Dichloropropane	0.00621	U	0.000169	0.00621
106-46-7	1,4-Dichlorobenzene	0.00621	U	0.000523	0.00621
594-20-7	2,2-Dichloropropane	0.00621	U	0.000219	0.00621
78-93-3	2-Butanone	0.00621	U	0.000388	0.00621
95-49-8	2-Chlorotoluene	0.00621	U	0.000186	0.00621
591-78-6	2-Hexanone	0.00621	U	0.00103	0.00621
106-43-4	4-Chlorotoluene	0.00621	U	0.000404	0.00621
99-87-6	4-Isopropyltoluene	0.00621	U	0.000200	0.00621
108-10-1	4-Methyl-2-pentanone	0.00621	U	0.000215	0.00621
67-64-1	Acetone	0.031	U	0.000465	0.031
107-02-8	Acrolein	0.031	U	0.00291	0.031
107-13-1	Acrylonitrile	0.031	U	0.000884	0.031
71-43-2	Benzene	0.00621	U	0.000129	0.00621
108-86-1	Bromobenzene	0.00621	U	0.000292	0.00621

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED10 (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

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

Lab Sample ID: 20806052211

Level: (low/med) LOW

Lab File ID: 2080610/x8882

% Moisture: not dec. 19.5

Date Collected: 06/04/08 Time: 1440

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

Date Received: 06/05/08

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1701

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-27-4	Bromodichloromethane	0.00621	U	0.000168	0.00621
75-25-2	Bromoform	0.00621	U	0.000210	0.00621
74-83-9	Bromomethane	0.00621	U	0.00187	0.00621
104-51-8	n-Butylbenzene	0.00621	U	0.000221	0.00621
75-15-0	Carbon disulfide	0.00621	U	0.000135	0.00621
56-23-5	Carbon tetrachloride	0.00621	U	0.000149	0.00621
108-90-7	Chlorobenzene	0.00621	U	0.000205	0.00621
75-00-3	Chloroethane	0.00621	U	0.000753	0.00621
67-66-3	Chloroform	0.00130	JB	0.000175	0.00621
74-87-3	Chloromethane	0.00621	U	0.000576	0.00621
110-82-7	Cyclohexane	0.00621	U	0.00137	0.00621
124-48-1	Dibromochloromethane	0.00621	U	0.000112	0.00621
74-95-3	Dibromomethane	0.00621	U	0.000194	0.00621
75-71-8	Dichlorodifluoromethane	0.00621	U	0.000452	0.00621
10061-01-5	cis-1,3-Dichloropropene	0.00621	U	0.000143	0.00621
10061-02-6	trans-1,3-Dichloropropene	0.00621	U	0.000175	0.00621
100-41-4	Ethylbenzene	0.00621	U	0.000257	0.00621
87-68-3	Hexachlorobutadiene	0.00621	U	0.00155	0.00621
98-82-8	Isopropylbenzene (Cumene)	0.00621	U	0.000190	0.00621
79-20-9	Methyl Acetate	0.00621	U	0.00190	0.00621
74-88-4	Methyl iodide	0.00621	U	0.00113	0.00621
108-87-2	Methylcyclohexane	0.00621	U	0.000460	0.00621
75-09-2	Methylene chloride	0.00461	JB	0.000595	0.012
91-20-3	Naphthalene	0.00621	U	0.000467	0.00621
100-42-5	Styrene	0.00621	U	0.000189	0.00621
127-18-4	Tetrachloroethene	0.00621	U	0.000238	0.00621
108-88-3	Toluene	0.00157	J	0.000683	0.00621
79-01-6	Trichloroethene	0.00621	U	0.000220	0.00621
75-69-4	Trichlorofluoromethane	0.00621	U	0.000313	0.00621
76-13-1	Trichlorotrifluoroethane	0.00621	U	0.000234	0.00621
108-05-4	Vinyl acetate	0.00621	U	0.00122	0.00621
75-01-4	Vinyl chloride	0.00621	U	0.000436	0.00621

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED10 (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

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

Level: (low/med) LOW

% Moisture: not dec. 19.5

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20806052211

Lab File ID: 2080610/x8882

Date Collected: 06/04/08 Time: 1440

Date Received: 06/05/08

Date Analyzed: 06/10/08 Time: 1701

Dilution Factor: 1 Analyst: JCK

Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.012	U	0.000710	0.012
156-59-2	cis-1,2-Dichloroethene	0.00621	U	0.000157	0.00621
136777-61-	m,p-Xylene	0.00621	U	0.000494	0.00621
103-65-1	n-Propylbenzene	0.00621	U	0.000174	0.00621
95-47-6	o-Xylene	0.00621	U	0.000216	0.00621
135-98-8	sec-Butylbenzene	0.00621	U	0.000145	0.00621
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00621	U	0.000091	0.00621
98-06-6	tert-Butylbenzene	0.00621	U	0.000313	0.00621
156-60-5	trans-1,2-Dichloroethene	0.00621	U	0.000204	0.00621
110-57-6	trans-1,4-Dichloro-2-butene	0.00621	U	0.000896	0.00621

GCAL, Inc.

Data file : /var/chem/msv0.i/2080610.b/x8882.d
Lab Smp Id: 20806052211
Inj Date : 10-JUN-2008 17:01
Operator : JCK Inst ID: msv0.i
Smp Info : 20806052211*
Misc Info : MSV~13461~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080610.b/8260Bs0.m
Meth Date : 10-Jun-2008 16:13 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 00:07 Cal File: x8806.d
Als bottle: 13
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
18 Methylene Chloride	49	3.477	3.482	(0.542)	34402	3.70650	3.71	8266
38 Chloroform +	83	5.404	5.410	(0.843)	11023	1.04925	1.05	7035
$ 41 Dibromofluoromethane	111	5.602	5.608	(0.873)	310270	52.9120	52.9	5005
$ 47 1,2-Dichloroethane-d4	67	6.137	6.143	(0.957)	147923	55.9853	56.0	9454
48 1,2-Dichloroethane	62	6.210	6.209	(0.968)	9460	1.47399	1.47	3278(M3)
* 49 FLUOROBENZENE	96	6.414	6.413	(1.000)	1179430	50.0000		9703
$ 67 Toluene-d8	98	7.867	7.866	(0.854)	1095820	47.3838	47.4	9620
68 Toluene +	91	7.907	7.905	(0.859)	37257	1.26452	1.26	8544
* 85 Chlorobenzene-d5	82	9.207	9.206	(1.000)	538047	50.0000		2238
$ 98 Bromofluorobenzene	174	10.250	10.249	(1.113)	307085	52.4874	52.5	9701
* 115 1,4-DICHLOROBENZENE-D4	152	11.214	11.207	(1.000)	378211	50.0000		4189

170166

QC Flag Legend

M3- Compound response manually integrated because
Target system integrated incorrect peak.

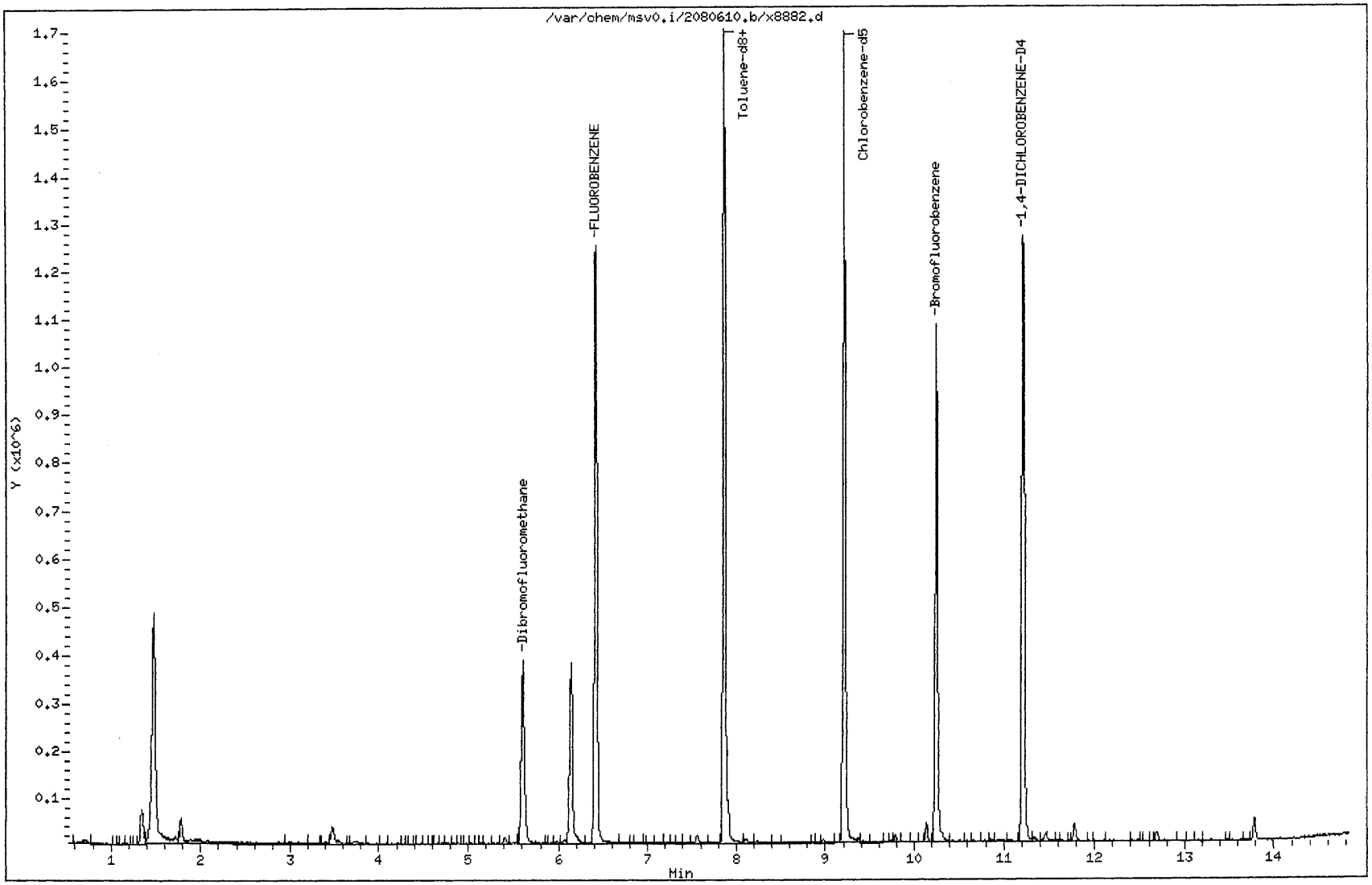
170167

Data File: /var/chem/msv0.i/2080610.b/x8882.d
Date : 10-JUN-2008 17:01
Client ID:
Sample Info: 20806052211*

Column phase: DB-624-30M

Instrument: msv0.i

Operator: JCK
Column diameter: 0.53



Data File: /var/chem/msv0.i/2080610.b/x8882.d

Date : 10-JUN-2008 17:01

Client ID:

Instrument: msv0.i

Sample Info: 20806052211*

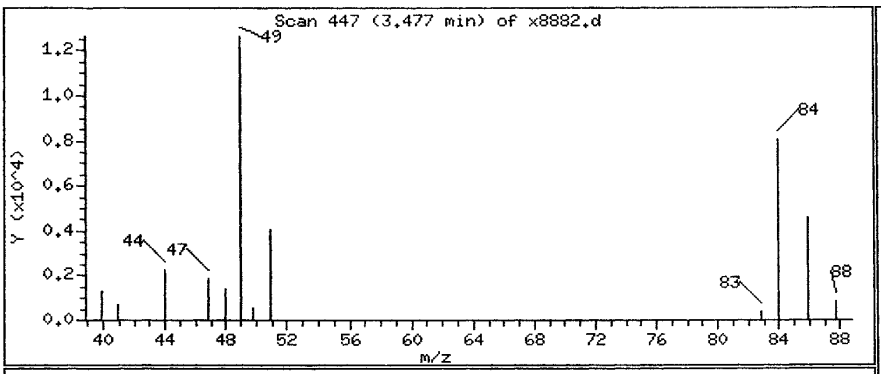
Operator: JCK

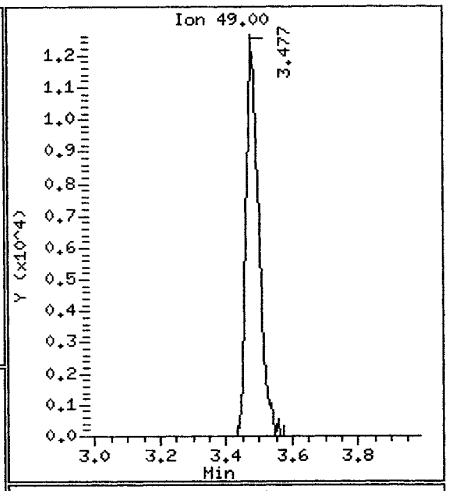
Column phase: DB-624-30M

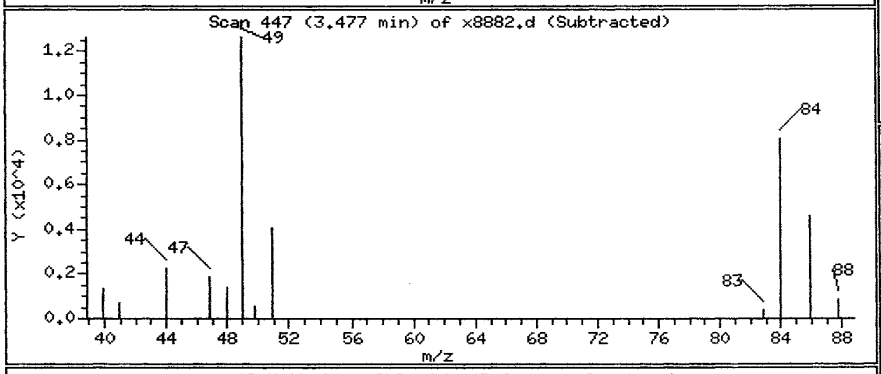
Column diameter: 0.53

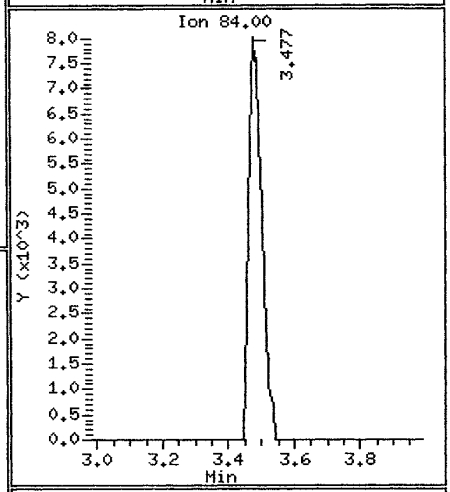
18 Methylene Chloride

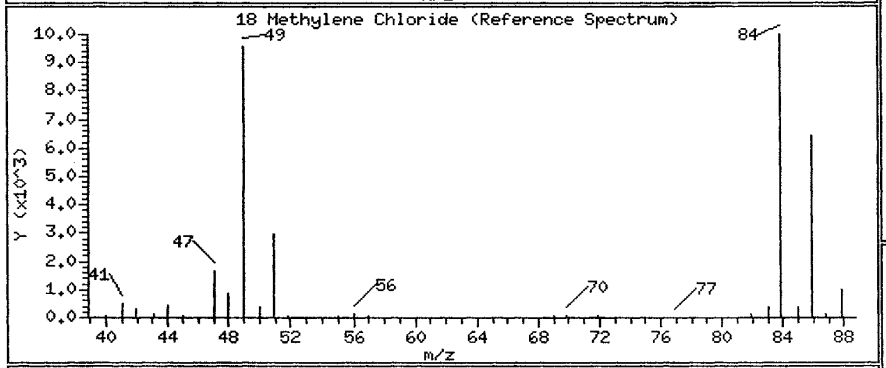
Concentration: 3.71 ug/Kg

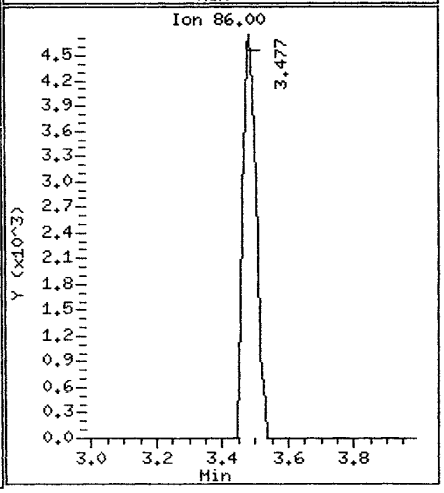


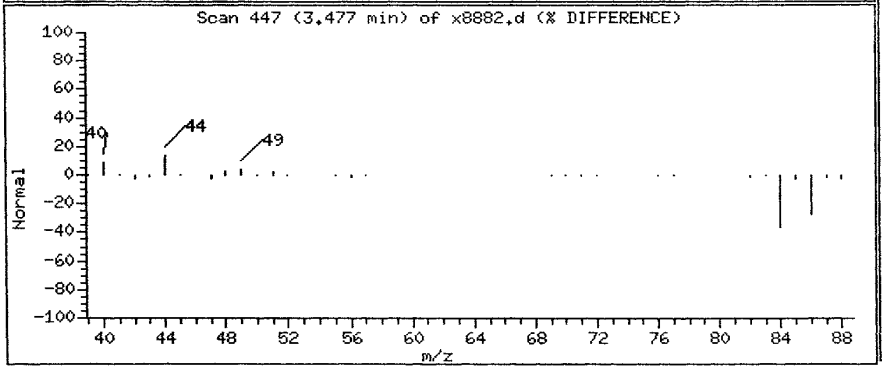












Data File: /var/chem/msv0.i/2080610.b/x8882.d

Date : 10-JUN-2008 17:01

Client ID:

Instrument: msv0.i

Sample Info: 20806052211*

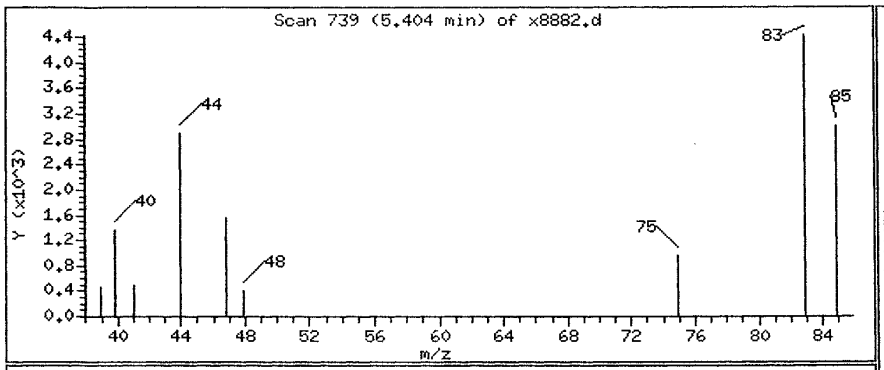
Operator: JCK

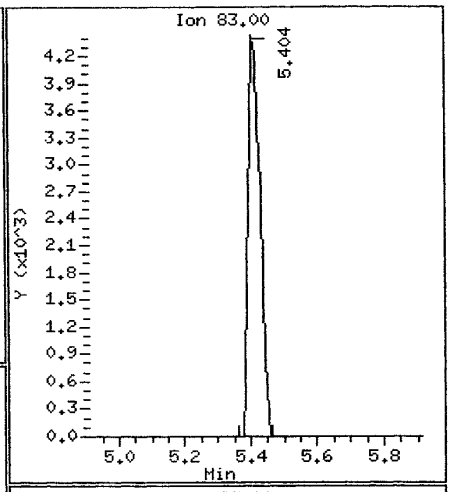
Column phase: DB-624-30M

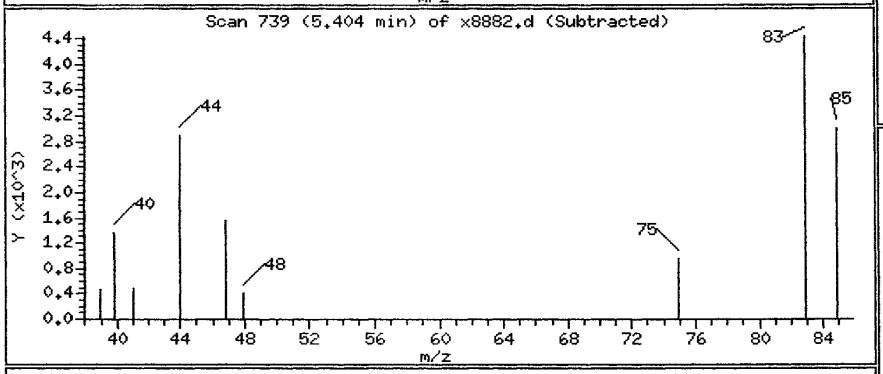
Column diameter: 0.53

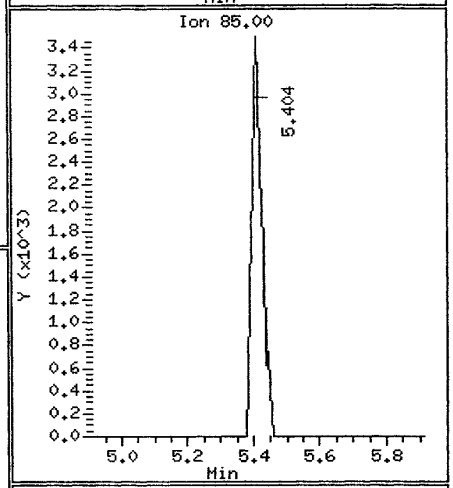
38 Chloroform +

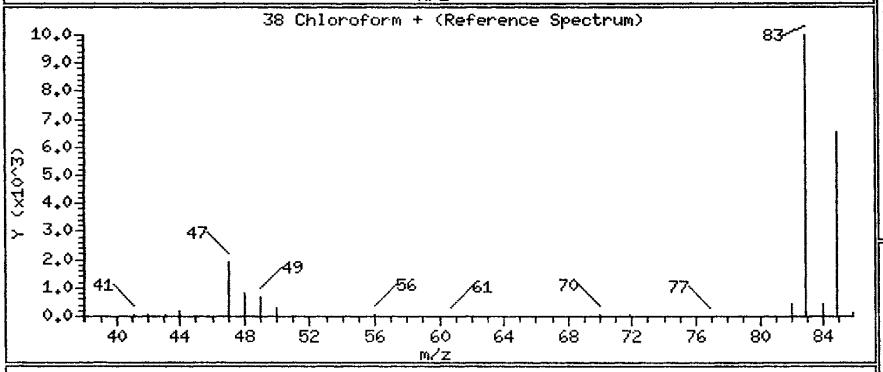
Concentration: 1.05 ug/Kg

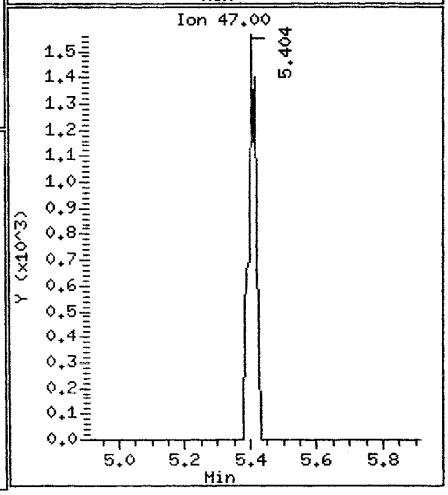


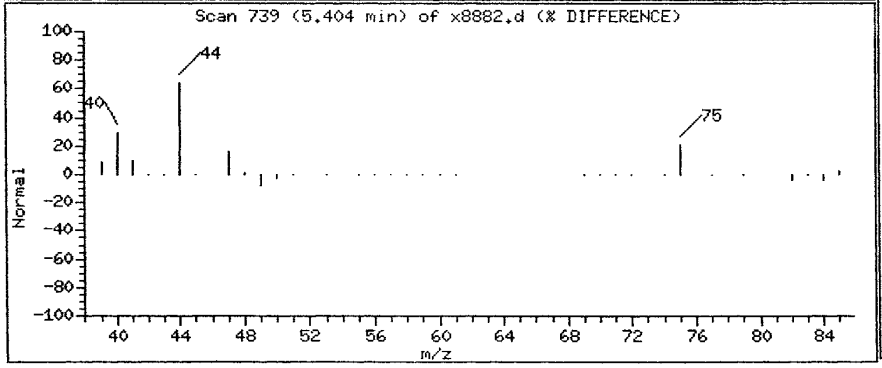












Data File: /var/chem/msv0.i/2080610.b/x8882.d

Date : 10-JUN-2008 17:01

Client ID:

Instrument: msv0.i

Sample Info: 20806052211x

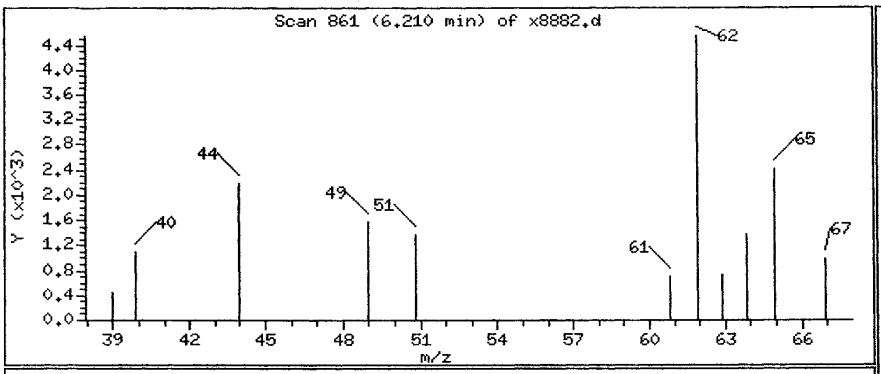
Operator: JCK

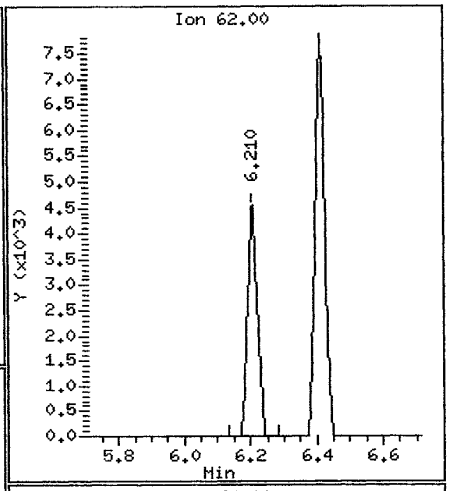
Column phase: DB-624-30M

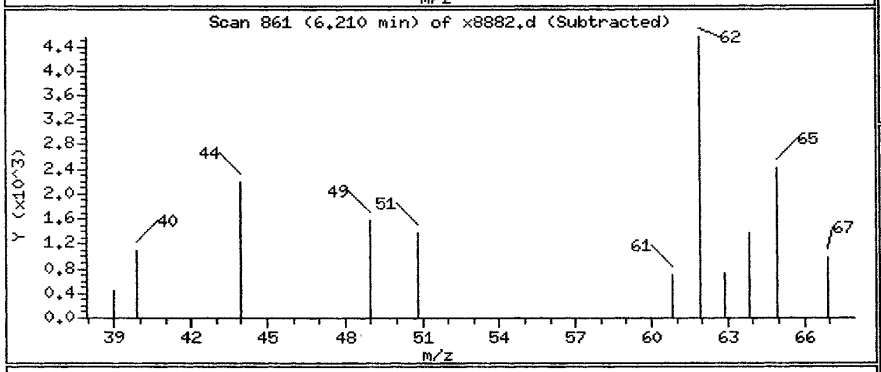
Column diameter: 0.53

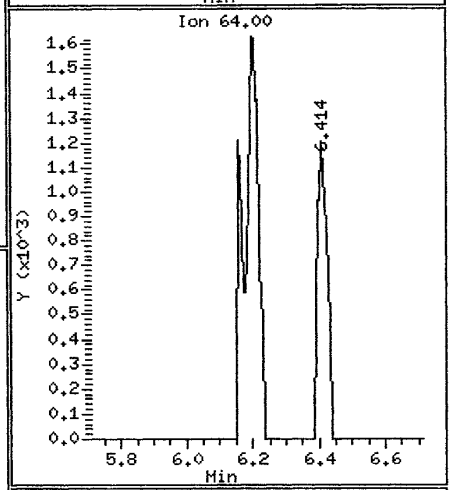
48 1,2-Dichloroethane

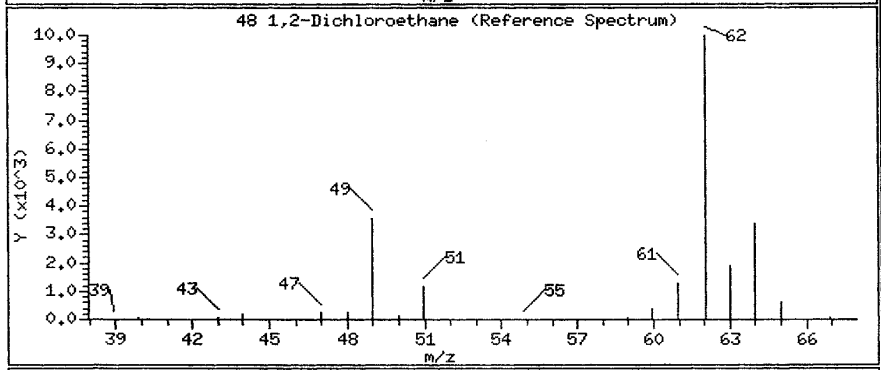
Concentration: 1.47 ug/Kg

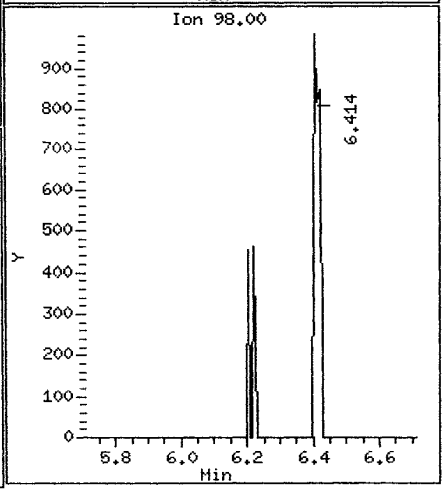


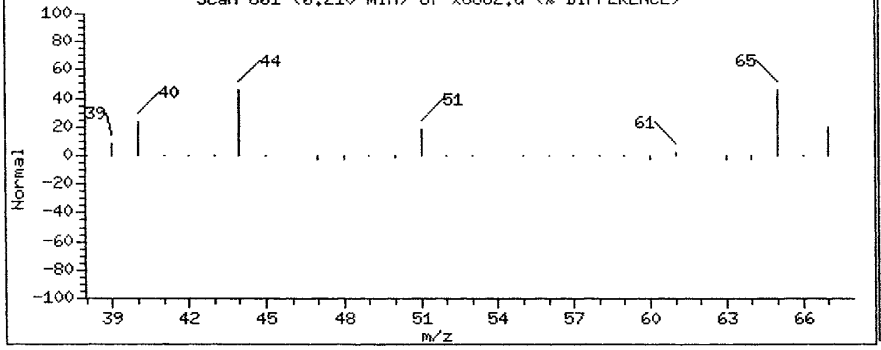












Data File: /var/chem/msv0.i/2080610.b/x8882.d

Date : 10-JUN-2008 17:01

Client ID:

Instrument: msv0.i

Sample Info: 20806052211x

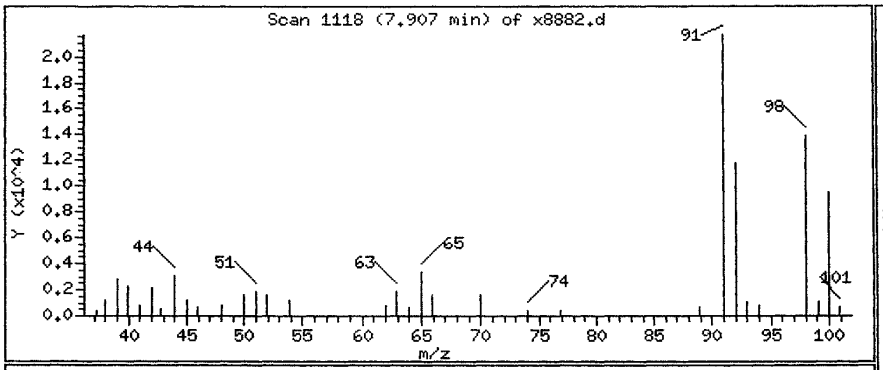
Operator: JCK

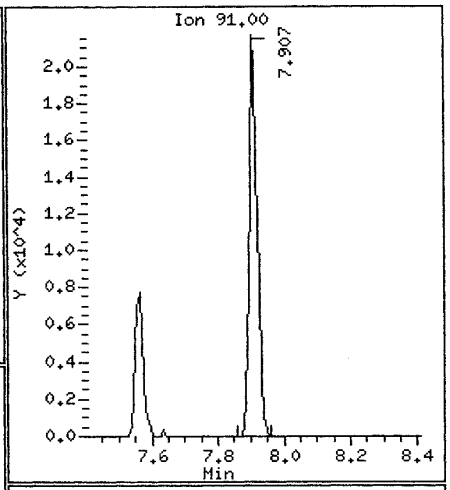
Column phase: DB-624-30M

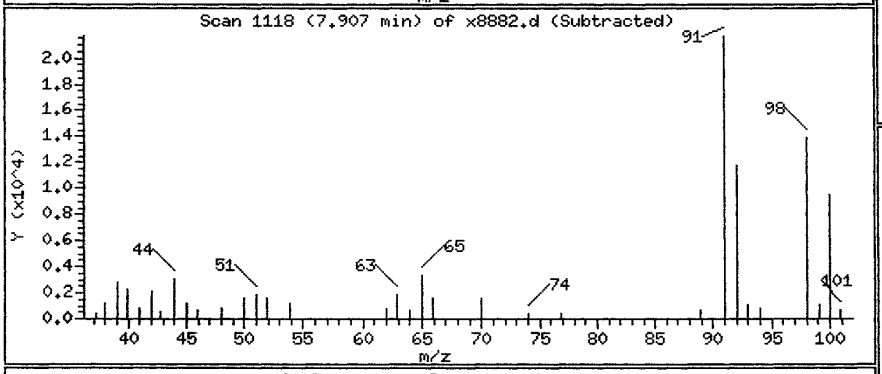
Column diameter: 0.53

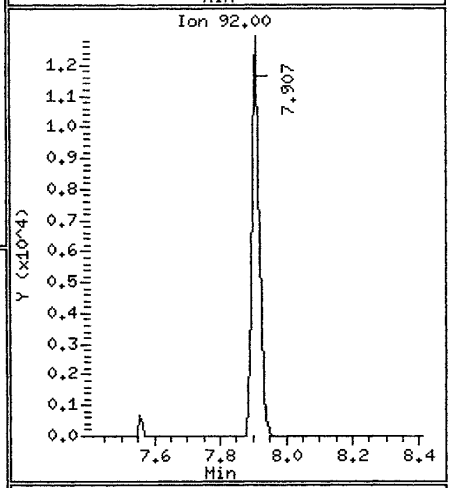
68 Toluene +

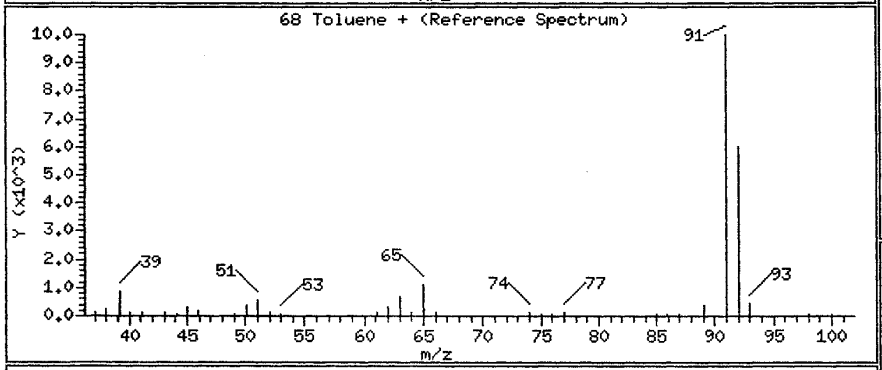
Concentration: 1.26 ug/Kg

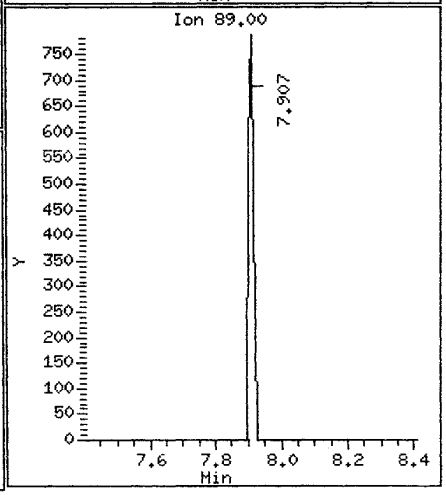


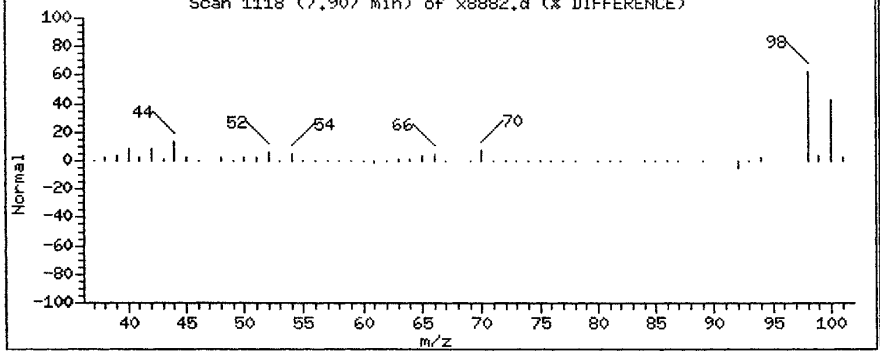








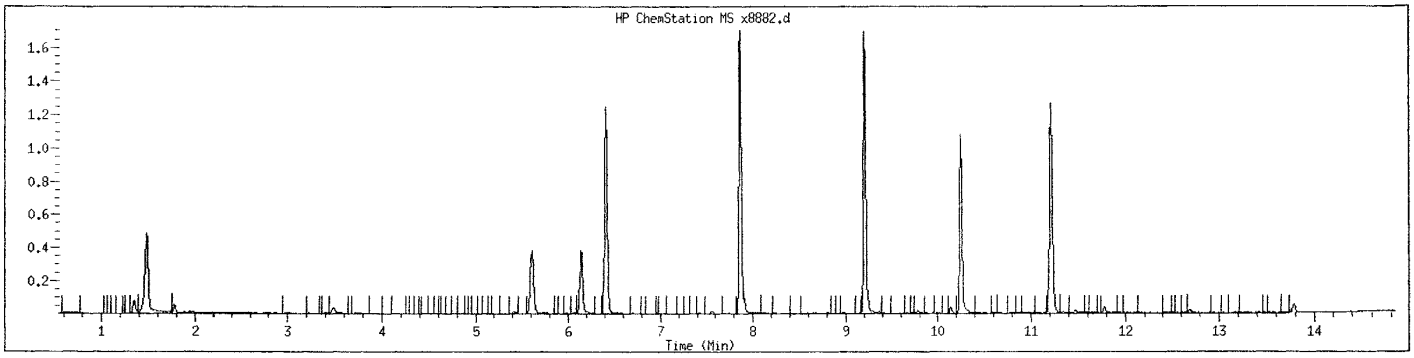




Data file : /var/chem/msv0.i/2080610.b/x8882.d Page: 1
Report Date: 06/10/2008 18:28

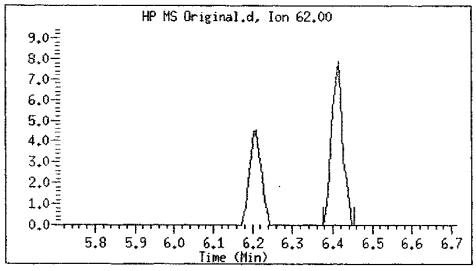
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052211 SampleType : SAMPLE
Injection Date: 06/10/2008 17:01 Instrument : msv0.i
Operator : JCK
Sample Info : 20806052211*
Misc Info : MSV~13461~*1*JCK
Method : /var/chem/msv0.i/2080610.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



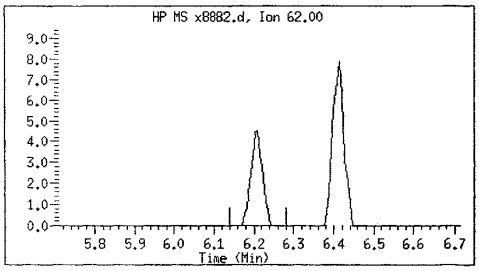
Original Final

48 1,2-Dichloroethane CAS#: 107-06-2 Reason: M3



Electronic Signature
Applied

User: jck
Date: 06/10/2008 18:28



M3 - Target system integrated incorrect peak

170173

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED10 (1-2)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.36 (g/ml) g Lab Sample ID: 20806052211

Level: (low/med) LOW Lab File ID: 2080610/h4748s

% Moisture: not dec. 19.5 Date Collected: 06/04/08 Time: 1440

GC Column: DB-VRX-30 ID: .53 (mm) Date Received: 06/05/08

Instrument ID: MSV5 Date Analyzed: 06/10/08 Time: 1701

Soil Extract Volume: (µL) Dilution Factor: 50 Analyst: JCK

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375306

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	0.058	U	0.011	0.058
71-36-3	n-Butyl alcohol	0.290	U	0.058	0.290

GCAL, Inc.

Data file : /var/chem/msv5.i/2080610.b/h4748s.d
Lab Smp Id: 20806052211
Inj Date : 10-JUN-2008 17:01
Operator : JCK Inst ID: msv5.i
Smp Info : 20806052211*
Misc Info : MSV~13460~*50*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 10-Jun-2008 17:08 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 21
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	5.36000	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
$ 39 Dibromofluoromethane	111	6.337	6.329	(0.889)	150956	48.8586	2280	6194
$ 48 1,2-Dichloroethane-d4	67	6.869	6.862	(0.963)	79659	46.4243	2170	
* 52 FLUOROBENZENE	96	7.130	7.134	(1.000)	574220	50.0000		
$ 67 Toluene-d8	98	8.575	8.570	(0.864)	478608	51.0876	2380	
* 83 CHLOROBENZENE-d5	82	9.922	9.918	(1.000)	245297	50.0000		
$ 94 Bromofluorobenzene	174	10.965	10.963	(1.105)	145230	52.0269	2430	
* 111 1,4-DICHLOROBENZENE-D4	152	12.019	12.010	(1.000)	181921	50.0000		

170175

Data File: /var/chem/msv5.i/2080610.b/h4748s.d

Page 1

Date : 10-JUN-2008 17:01

Client ID:

Instrument: msv5.i

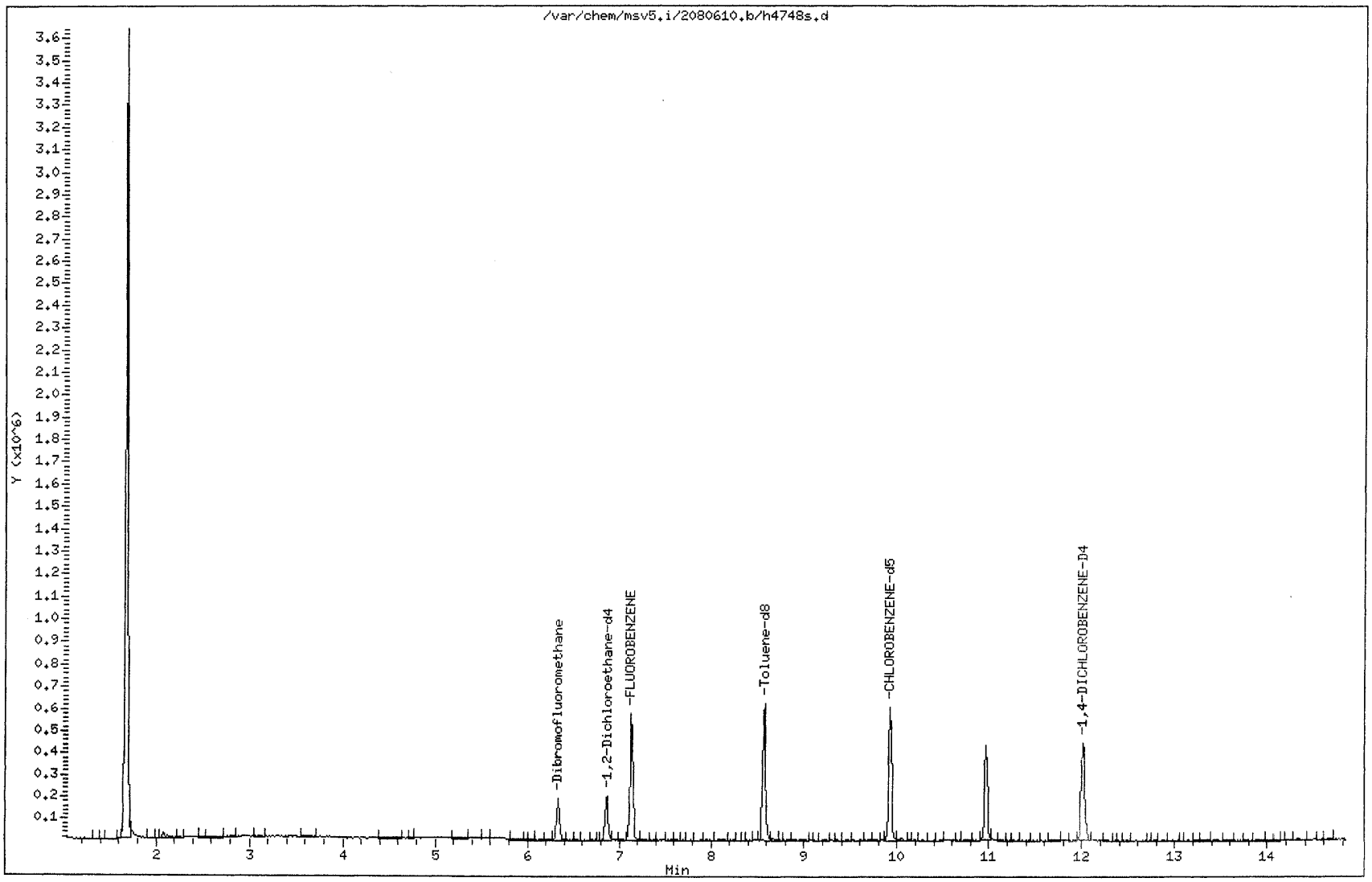
Sample Info: 20806052211*

Purge Volume: 5.0

Operator: JCK

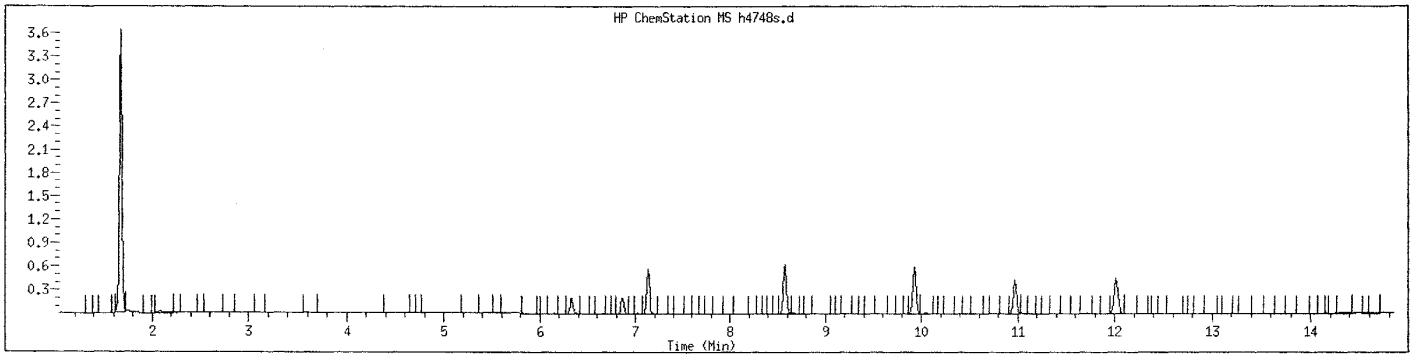
Column phase: DB-VRX-30M

Column diameter: 0.53



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052211 SampleType : SAMPLE
Injection Date: 06/10/2008 17:01 Instrument : msv5.i
Operator : JCK
Sample Info : 20806052211*
Misc Info : MSV~13460~*50*EGW
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Dilution : 50.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

170177

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SE-060408-EB

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 20806052212

Level: (low/med) LOW Lab File ID: 2080610/h4732

% Moisture: not dec. Date Collected: 06/04/08 Time: 1500

GC Column: DB-VRX-30 ID: .53 (mm) Date Received: 06/05/08

Instrument ID: MSV5 Date Analyzed: 06/10/08 Time: 1055

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375282

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
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	0.012	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
71-43-2	Benzene	0.00500	U	0.000184	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SE-060408-EB

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 20806052212

Level: (low/med) LOW Lab File ID: 2080610/h4732

% Moisture: not dec. Date Collected: 06/04/08 Time: 1500

GC Column: DB-VRX-30 ID: .53 (mm) Date Received: 06/05/08

Instrument ID: MSV5 Date Analyzed: 06/10/08 Time: 1055

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375282

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
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
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
108-05-4	Vinyl acetate	0.00500	U	0.000207	0.00500
75-01-4	Vinyl chloride	0.00500	U	0.000163	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SE-060408-EB

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

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

Lab Sample ID: 20806052212

Level: (low/med) LOW

Lab File ID: 2080610/h4732

% Moisture: not dec.

Date Collected: 06/04/08 Time: 1500

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

Date Received: 06/05/08

Instrument ID: MSV5

Date Analyzed: 06/10/08 Time: 1055

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: EGW

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375282

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
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/msv5.i/2080610.b/h4732.d
Lab Smp Id: 20806052212
Inj Date : 10-JUN-2008 10:55
Operator : EGW Inst ID: msv5.i
Smp Info : 20806052212*
Misc Info : MSV~13454~*1*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 10-Jun-2008 17:08 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.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
18 Acetone	43	4.326	4.339	(0.607)	19819	11.6569	11.7	
$ 39 Dibromofluoromethane	111	6.336	6.329	(0.889)	144145	49.5540	49.6	6183
$ 48 1,2-Dichloroethane-d4	67	6.869	6.862	(0.963)	79431	49.1688	49.2	
* 52 FLUOROBENZENE	96	7.129	7.134	(1.000)	540617	50.0000		
$ 67 Toluene-d8	98	8.563	8.570	(0.863)	467363	51.8097	51.8	
* 83 CHLOROBENZENE-d5	82	9.921	9.918	(1.000)	236195	50.0000		
$ 94 Bromofluorobenzene	174	10.963	10.963	(1.105)	136299	50.7091	50.7	
* 111 1,4-DICHLOROBENZENE-D4	152	12.006	12.010	(1.000)	162717	50.0000		

170181

Data File: /var/chem/msv5.i/2080610.b/h4732.d

Page 1

Date : 10-JUN-2008 10:55

Client ID:

Instrument: msv5.i

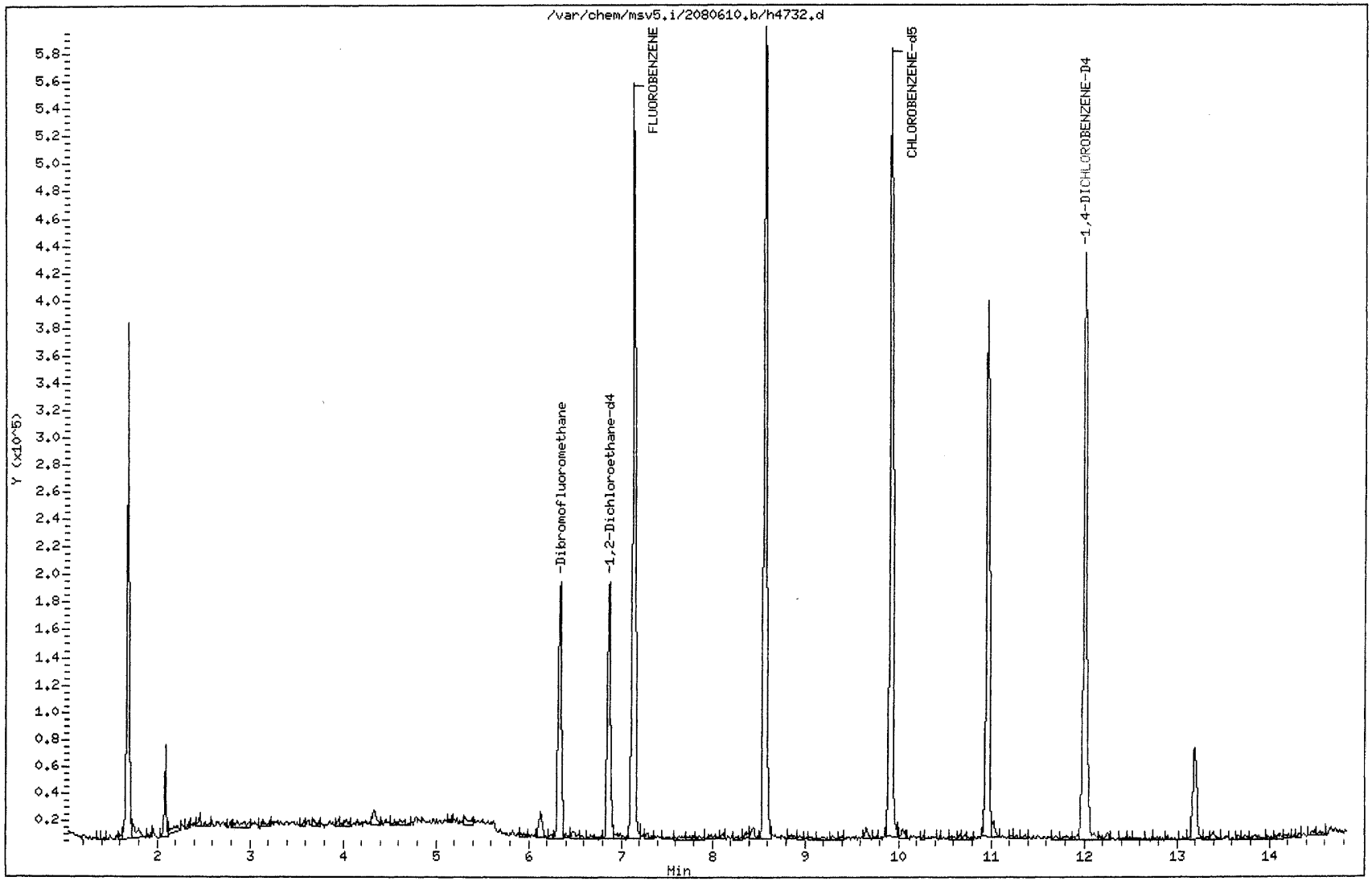
Sample Info: 20806052212*

Operator: EGW

Purge Volume: 5.0

Column diameter: 0.53

Column phase: DB-VRX-30M



Data File: /var/chem/msv5.i/2080610.b/h4732.d

Date : 10-JUN-2008 10:55

Client ID:

Instrument: msv5.i

Sample Info: 20806052212*

Purge Volume: 5.0

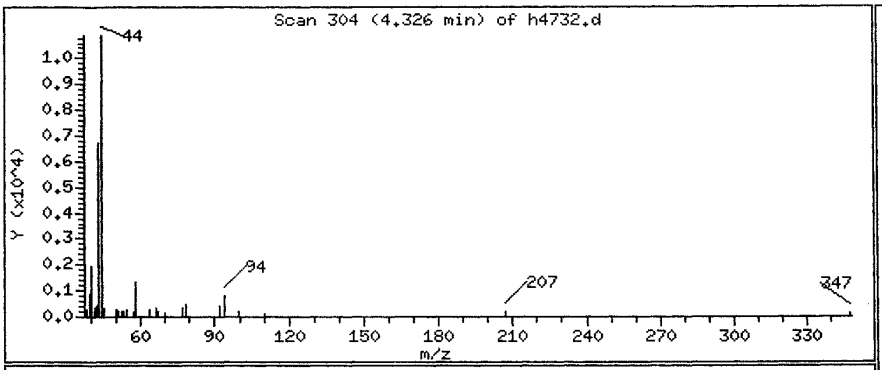
Operator: EGW

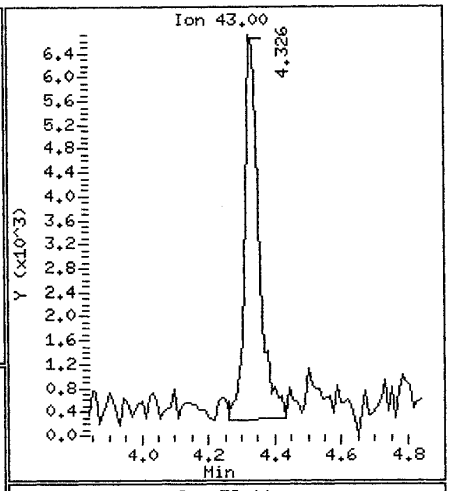
Column phase: DB-VRX-30M

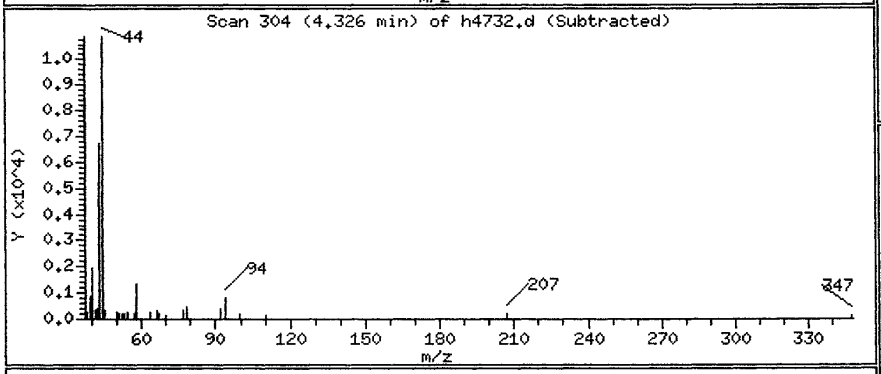
Column diameter: 0.53

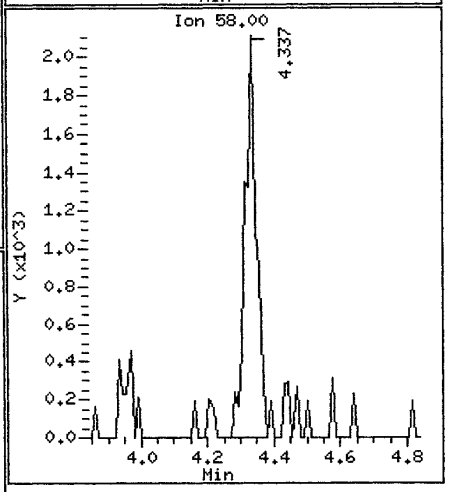
18 Acetone

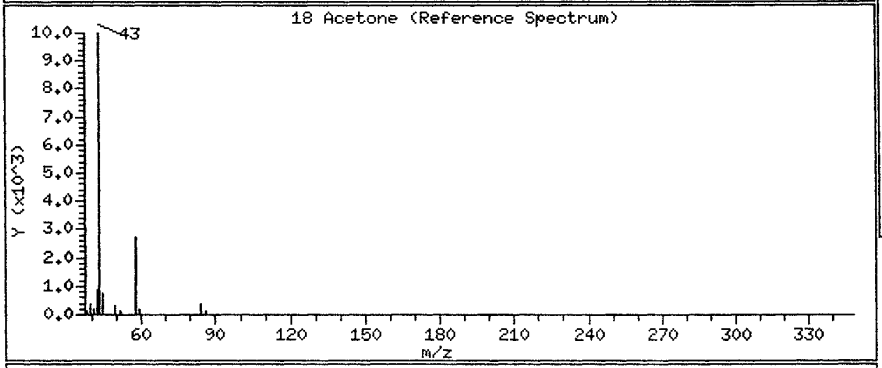
Concentration: 11.7 ug/L

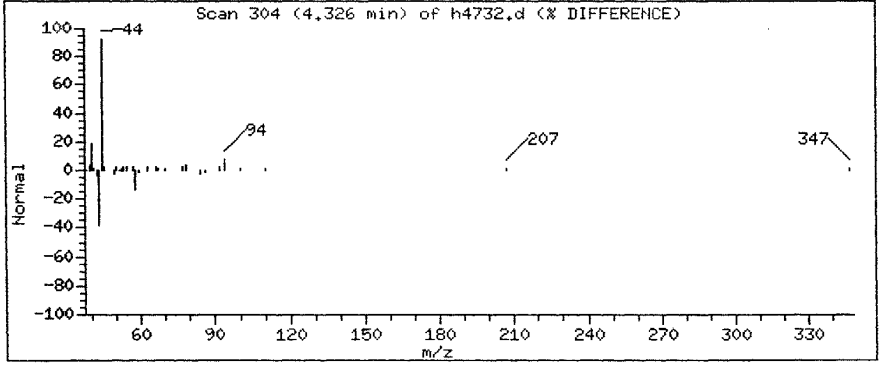






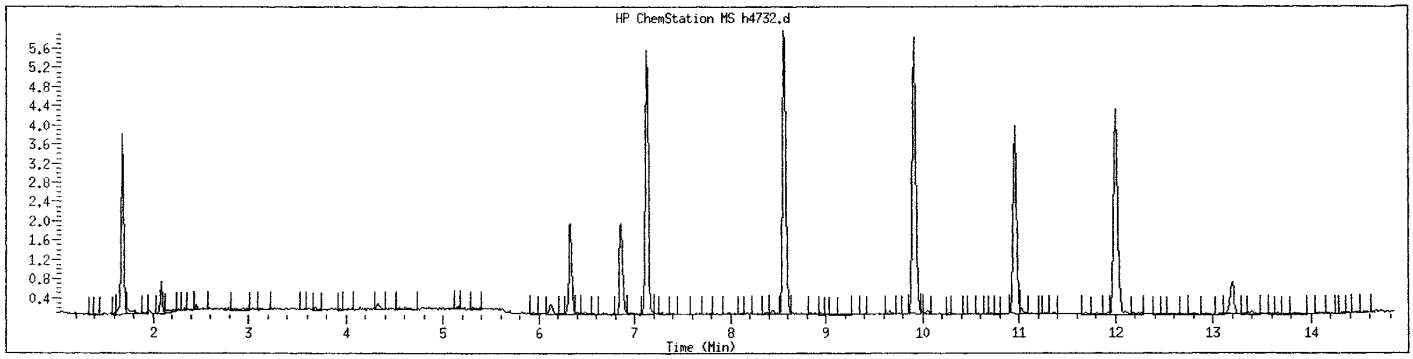






MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052212	SampleType	: SAMPLE
Injection Date	: 06/10/2008 10:55	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 20806052212*		
Misc Info	: MSV~13454~*1*EGW		
Method	: /var/chem/msv5.i/2080610.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SE-060408-FB

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

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

Level: (low/med) LOW

% Moisture: not dec.

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

Instrument ID: MSV5

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20806052213

Lab File ID: 2080610/h4733

Date Collected: 06/04/08 Time: 1535

Date Received: 06/05/08

Date Analyzed: 06/10/08 Time: 1118

Dilution Factor: 1 Analyst: EGW

Prep Batch: Analytical Batch: 375282

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
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	0.00304	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
71-43-2	Benzene	0.00500	U	0.000184	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SE-060408-FB

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 20806052213

Level: (low/med) LOW Lab File ID: 2080610/h4733

% Moisture: not dec. Date Collected: 06/04/08 Time: 1535

GC Column: DB-VRX-30 ID: .53 (mm) Date Received: 06/05/08

Instrument ID: MSV5 Date Analyzed: 06/10/08 Time: 1118

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375282

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
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
108-05-4	Vinyl acetate	0.00500	U	0.000207	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SE-060408-FB

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

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

Lab Sample ID: 20806052213

Level: (low/med) LOW

Lab File ID: 2080610/h4733

% Moisture: not dec.

Date Collected: 06/04/08 Time: 1535

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

Date Received: 06/05/08

Instrument ID: MSV5

Date Analyzed: 06/10/08 Time: 1118

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: EGW

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375282

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
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/msv5.i/2080610.b/h4733.d
Lab Smp Id: 20806052213
Inj Date : 10-JUN-2008 11:18
Operator : EGW Inst ID: msv5.i
Smp Info : 20806052213*
Misc Info : MSV~13454~*1*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 10-Jun-2008 17:08 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.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
18 Acetone	43	4.337	4.339	(0.608)	8651	3.04232	3.04	
$ 39 Dibromofluoromethane	111	6.336	6.329	(0.889)	144805	47.0141	47.0	6188
$ 48 1,2-Dichloroethane-d4	67	6.857	6.862	(0.962)	79586	46.5266	46.5	
* 52 FLUOROBENZENE	96	7.129	7.134	(1.000)	572432	50.0000		
$ 67 Toluene-d8	98	8.563	8.570	(0.863)	461123	49.3185	49.3	
* 83 CHLOROBENZENE-d5	82	9.920	9.918	(1.000)	244813	50.0000		
$ 94 Bromofluorobenzene	174	10.963	10.963	(1.105)	136869	49.1286	49.1	
* 111 1,4-DICHLOROBENZENE-D4	152	12.006	12.010	(1.000)	173342	50.0000		

170188

Data File: /var/chem/msv5.i/2080610.b/h4733.d

Date : 10-JUN-2008 11:18

Client ID:

Sample Info: 20806052213x

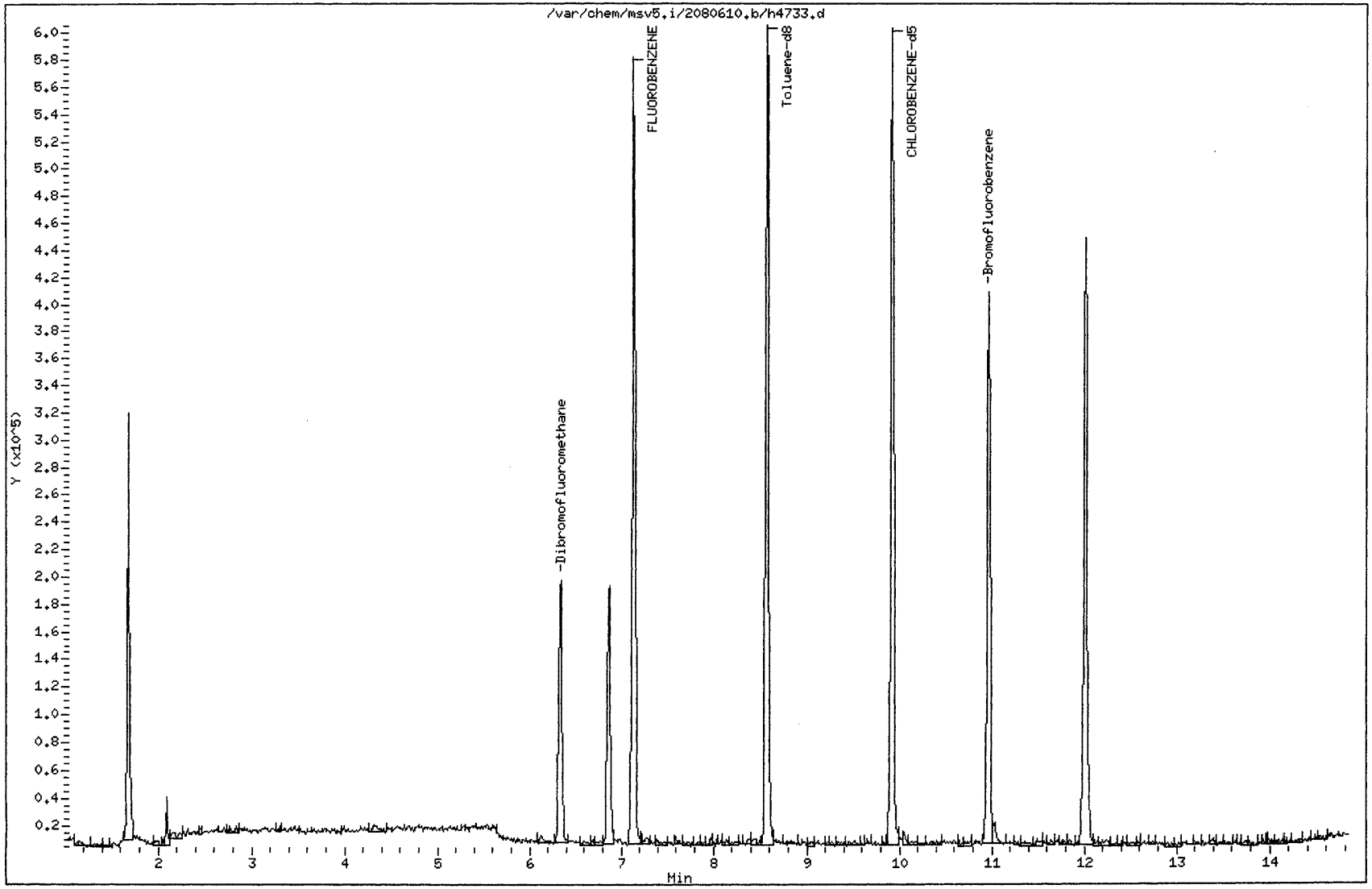
Purge Volume: 5.0

Column phase: DB-VRX-30M

Instrument: msv5.i

Operator: EGW

Column diameter: 0.53



Data File: /var/chem/msv5.i/2080610.b/h4733.d

Date : 10-JUN-2008 11:18

Client ID:

Instrument: msv5.i

Sample Info: 20806052213x

Purge Volume: 5.0

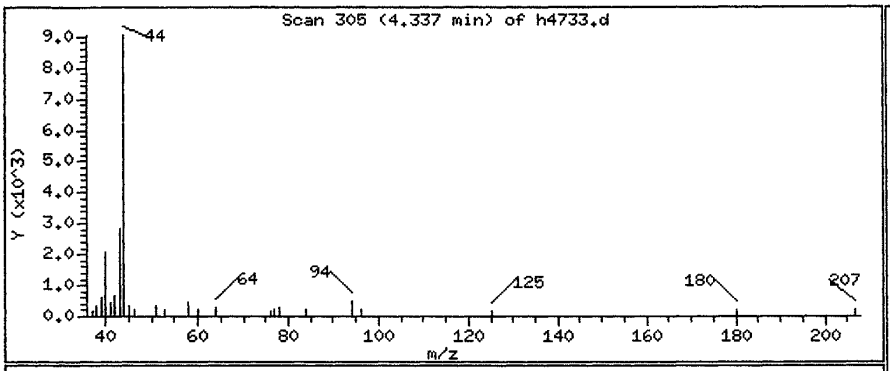
Operator: EGW

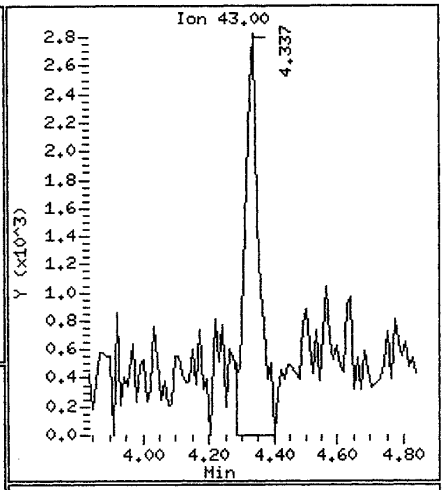
Column phase: DB-VRX-30M

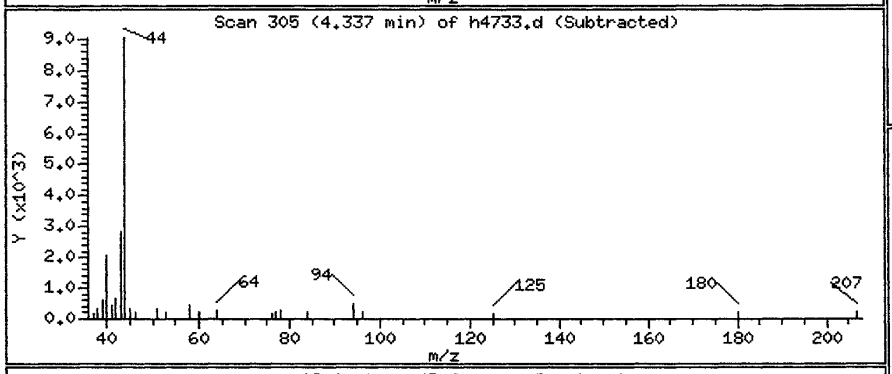
Column diameter: 0.53

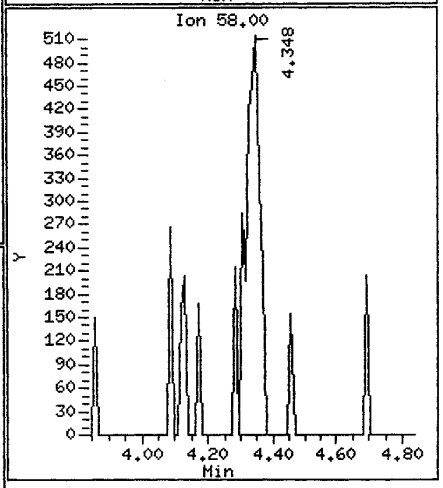
18 Acetone

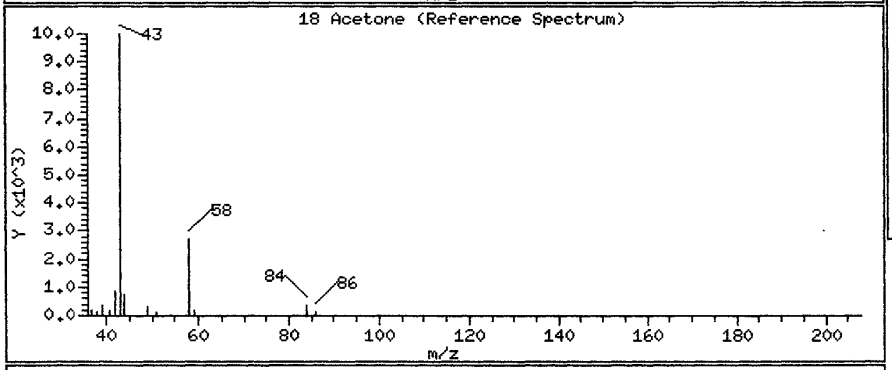
Concentration: 3.04 ug/L

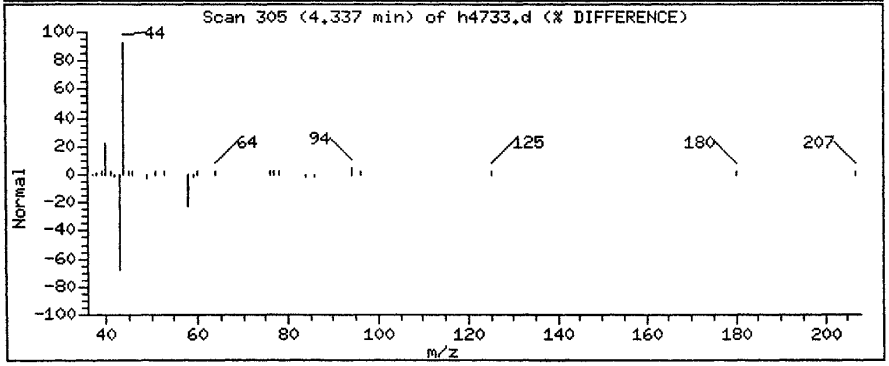










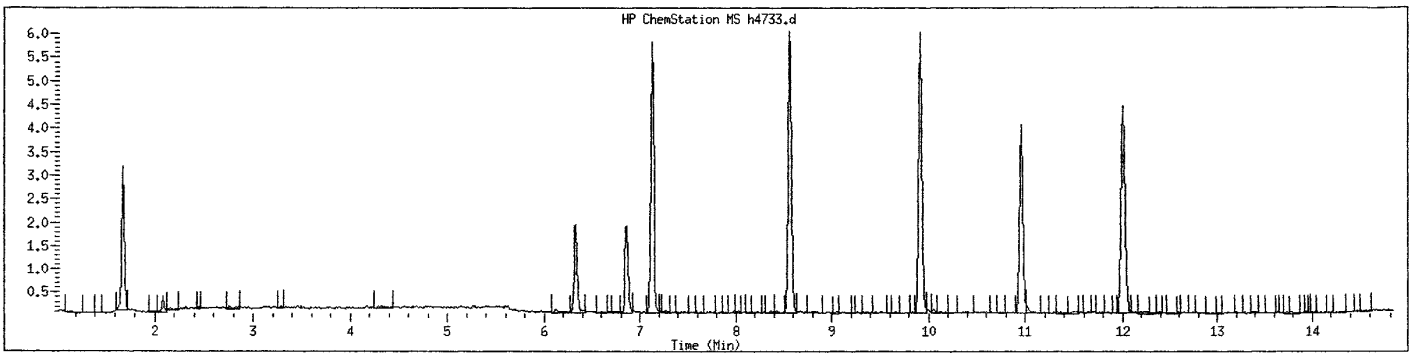


170190

Data file : /var/chem/msv5.i/2080610.b/h4733.d Page: 1
Report Date: 06/11/2008 13:23

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052213	SampleType	: SAMPLE
Injection Date	: 06/10/2008 11:18	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 20806052213*		
Misc Info	: MSV~13454~*1*EGW		
Method	: /var/chem/msv5.i/2080610.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK-1

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

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

Lab Sample ID: 20806052214

Level: (low/med) LOW

Lab File ID: 2080610/h4734

% Moisture: not dec.

Date Collected: 06/04/08 Time: 0000

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

Date Received: 06/05/08

Instrument ID: MSV5

Date Analyzed: 06/10/08 Time: 1141

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: EGW

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375282

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
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	0.000744	J	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	0.015	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
71-43-2	Benzene	0.00500	U	0.000184	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK-1

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

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

Level: (low/med) LOW

% Moisture: not dec.

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

Instrument ID: MSV5

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20806052214

Lab File ID: 2080610/h4734

Date Collected: 06/04/08 Time: 0000

Date Received: 06/05/08

Date Analyzed: 06/10/08 Time: 1141

Dilution Factor: 1 Analyst: EGW

Prep Batch: Analytical Batch: 375282

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
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
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	0.00407	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
108-05-4	Vinyl acetate	0.00500	U	0.000207	0.00500
75-01-4	Vinyl chloride	0.00500	U	0.000163	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK-1

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

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

Level: (low/med) LOW

% Moisture: not dec.

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

Instrument ID: MSV5

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20806052214

Lab File ID: 2080610/h4734

Date Collected: 06/04/08 Time: 0000

Date Received: 06/05/08

Date Analyzed: 06/10/08 Time: 1141

Dilution Factor: 1 Analyst: EGW

Prep Batch: Analytical Batch: 375282

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
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/msv5.i/2080610.b/h4734.d
Lab Smp Id: 20806052214
Inj Date : 10-JUN-2008 11:41
Operator : EGW Inst ID: msv5.i
Smp Info : 20806052214*
Misc Info : MSV~13454~*1*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 10-Jun-2008 17:08 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 8
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)	FINAL (ug/L)	SIMILARITY
	17 Methylene Chloride	49	4.239	4.241	(0.595)	16635	4.07164	4.07	
	18 Acetone	43	4.337	4.339	(0.608)	24698	14.9879	15.0	
	24 Acetonitrile	41	4.935	4.935	(0.692)	149614	188.050	188	9235
$	39 Dibromofluoromethane	111	6.336	6.329	(0.889)	143563	48.6051	48.6	6178
	42 2-Butanone	43	6.477	6.482	(0.909)	7757	0.74439	0.744	
$	48 1,2-Dichloroethane-d4	67	6.857	6.862	(0.962)	77913	47.4973	47.5	
*	52 FLUOROBENZENE	96	7.129	7.134	(1.000)	548946	50.0000		
$	67 Toluene-d8	98	8.563	8.570	(0.863)	460369	49.9831	50.0	
*	83 CHLOROBENZENE-d5	82	9.920	9.918	(1.000)	241163	50.0000		
$	94 Bromofluorobenzene	174	10.963	10.963	(1.105)	136094	49.5897	49.6	
*	111 1,4-DICHLOROBENZENE-D4	152	12.006	12.010	(1.000)	166452	50.0000		

170195

Data File: /var/chem/msv5.i/2080610.b/h4734.d

Page 1

Date : 10-JUN-2008 11:41

Client ID:

Instrument: msv5.i

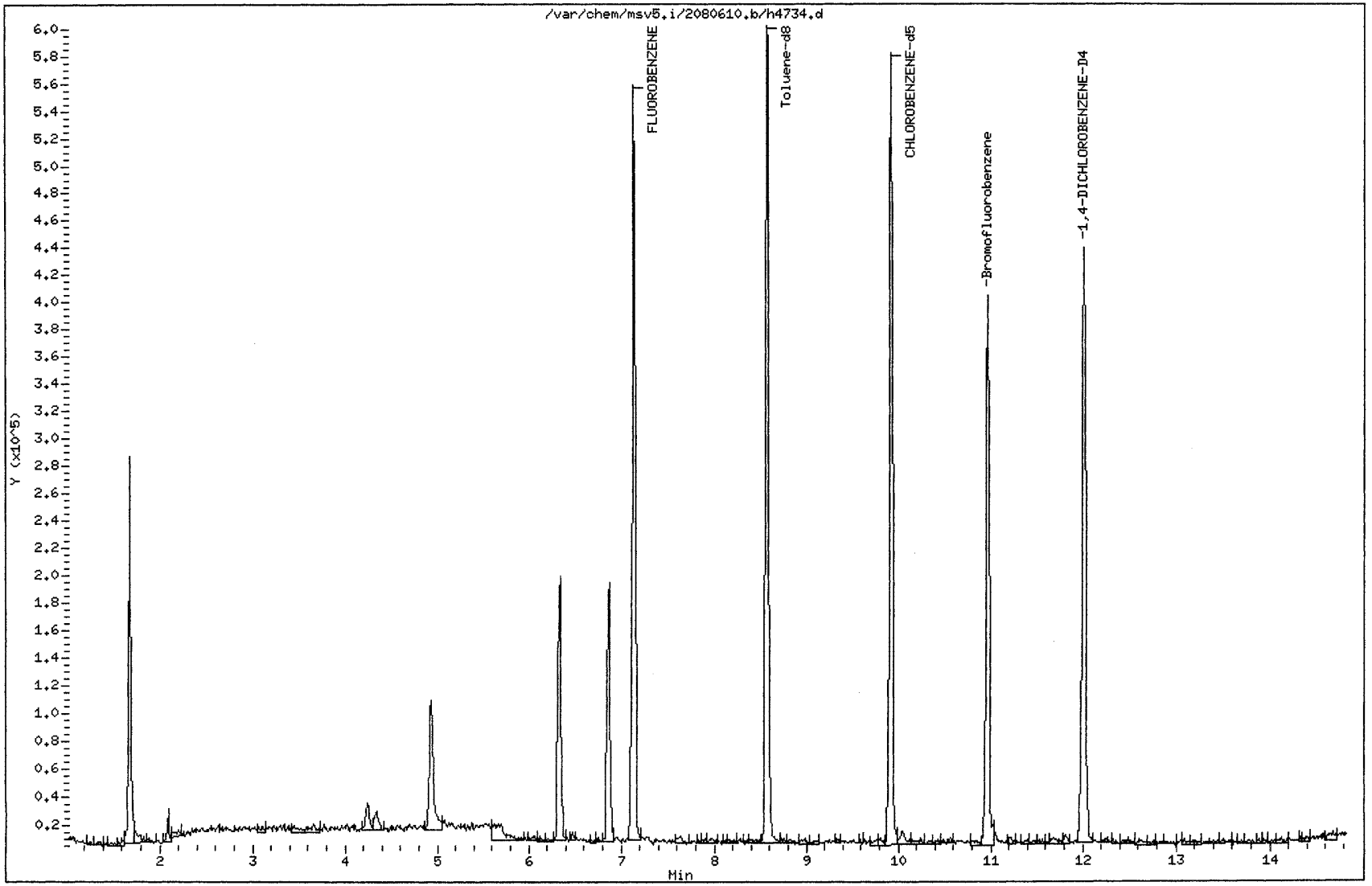
Sample Info: 20806052214*

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-30M

Column diameter: 0.53



Data File: /var/chem/msv5.i/2080610.b/h4734.d

Date : 10-JUN-2008 11:41

Client ID:

Instrument: msv5.i

Sample Info: 20806052214*

Purge Volume: 5.0

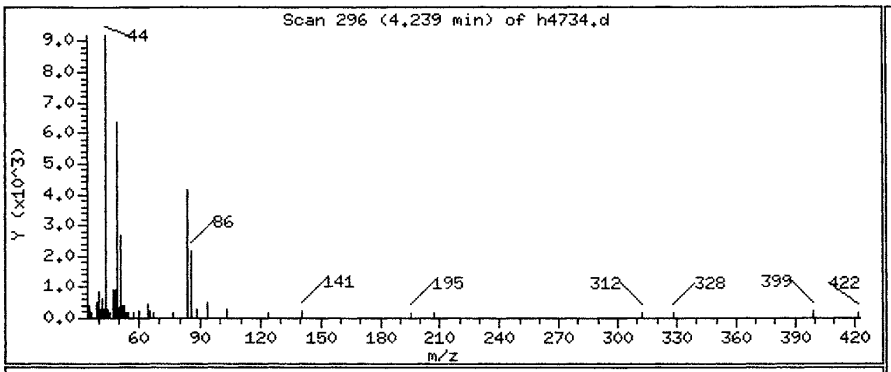
Operator: EGW

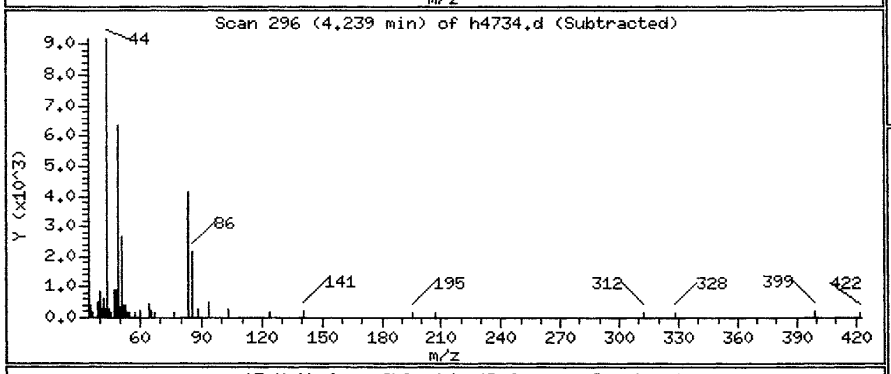
Column phase: DB-VRX-30M

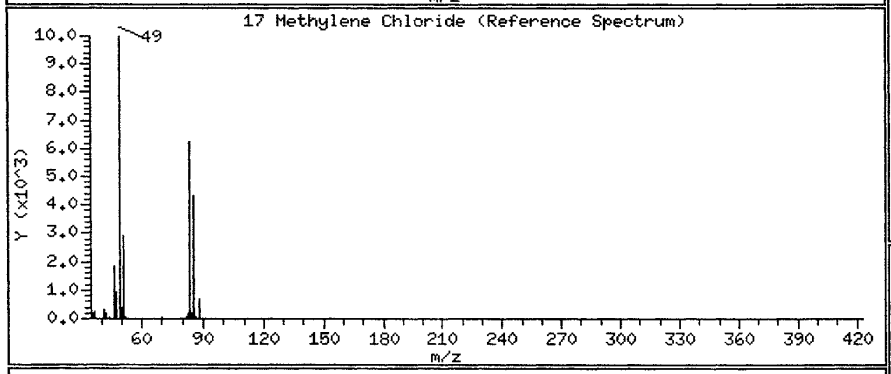
Column diameter: 0.53

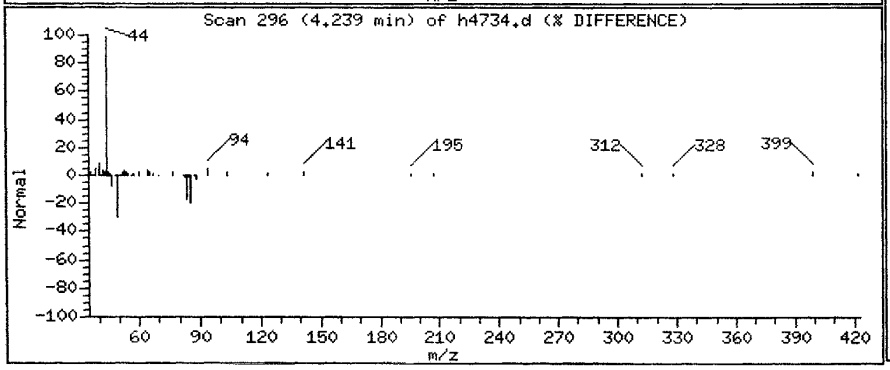
17 Methylene Chloride

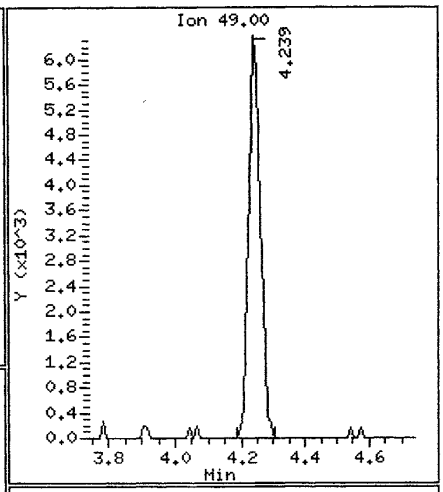
Concentration: 4.07 ug/L

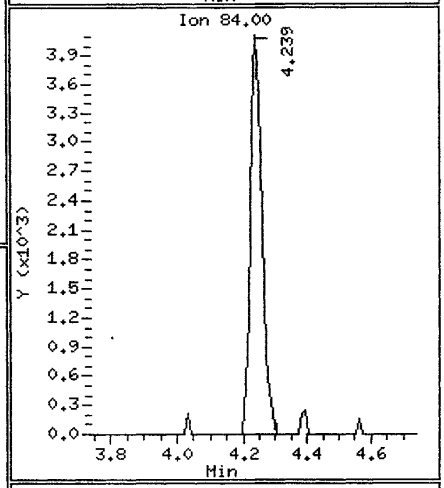


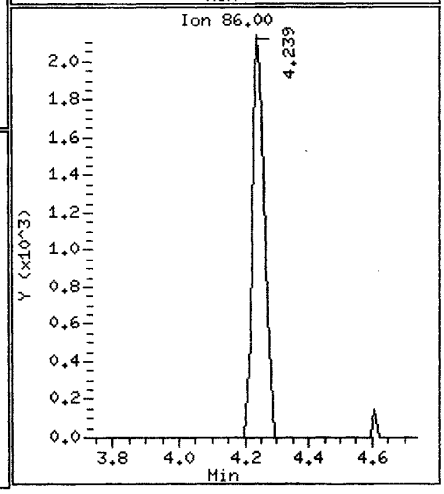












Data File: /var/chem/msv5.i/2080610.b/h4734.d

Date : 10-JUN-2008 11:41

Client ID:

Instrument: msv5.i

Sample Info: 20806052214x

Purge Volume: 5.0

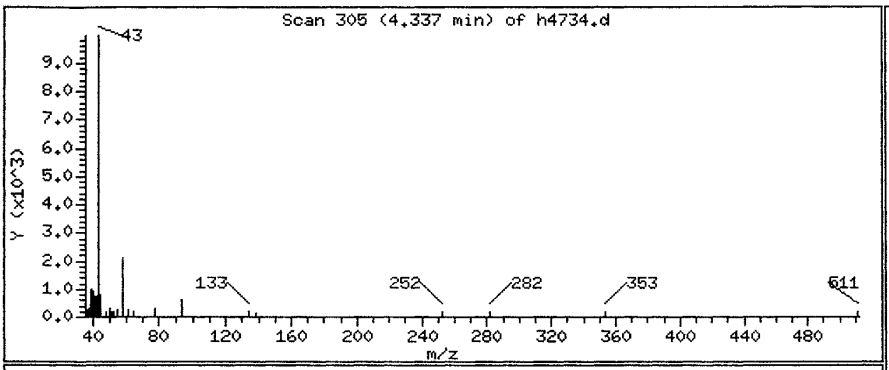
Operator: EGW

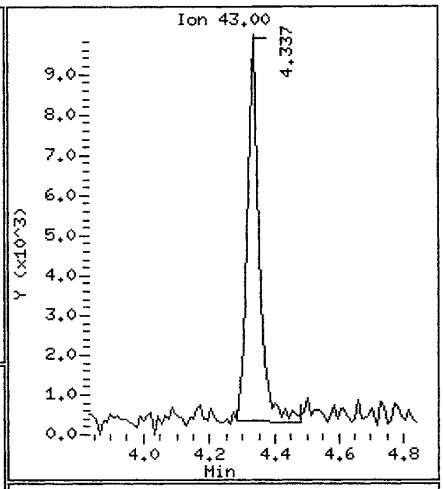
Column phase: DB-VRX-30M

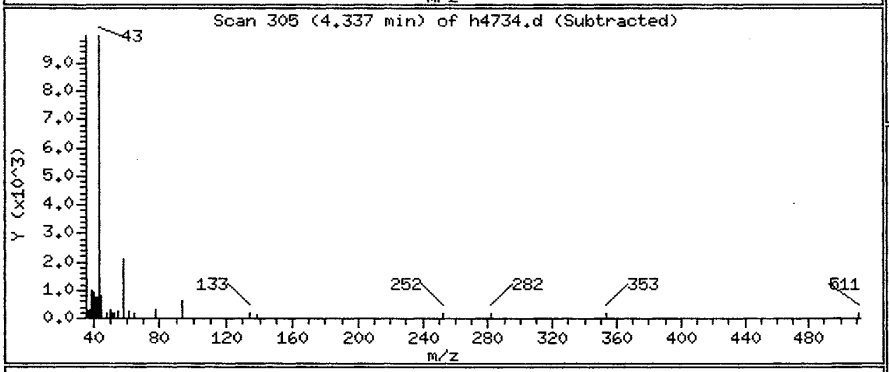
Column diameter: 0.53

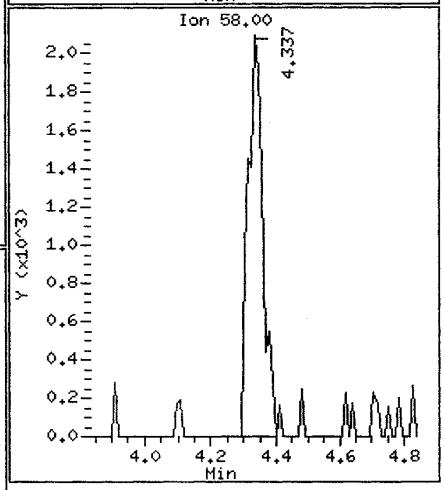
18 Acetone

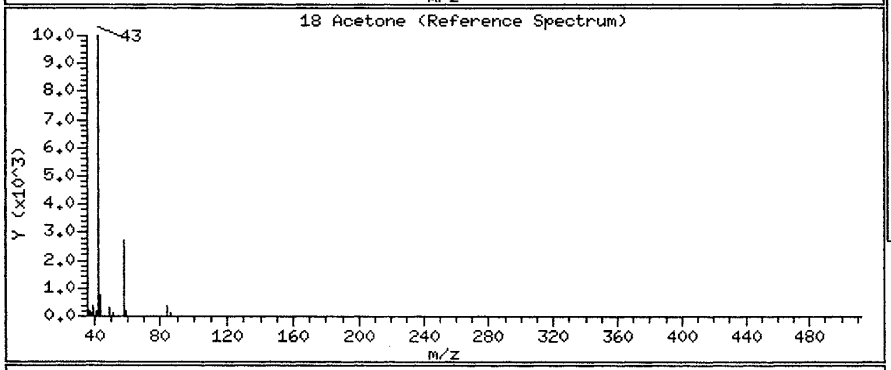
Concentration: 15.0 ug/L

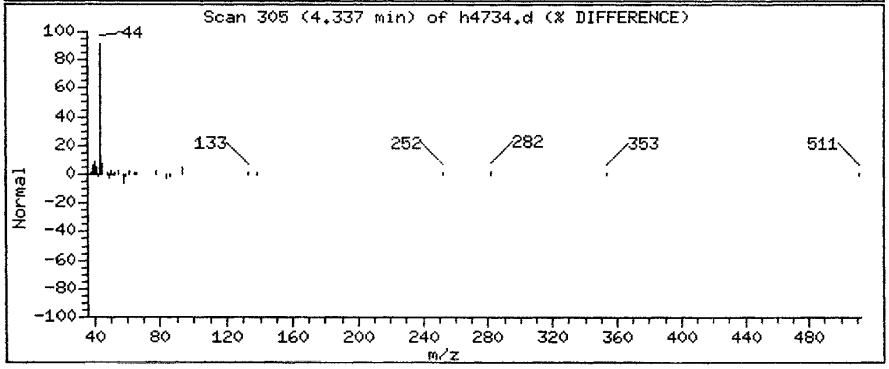












Data File: /var/chem/msv5.i/2080610.b/h4734.d

Date : 10-JUN-2008 11:41

Client ID:

Instrument: msv5.i

Sample Info: 20806052214*

Purge Volume: 5.0

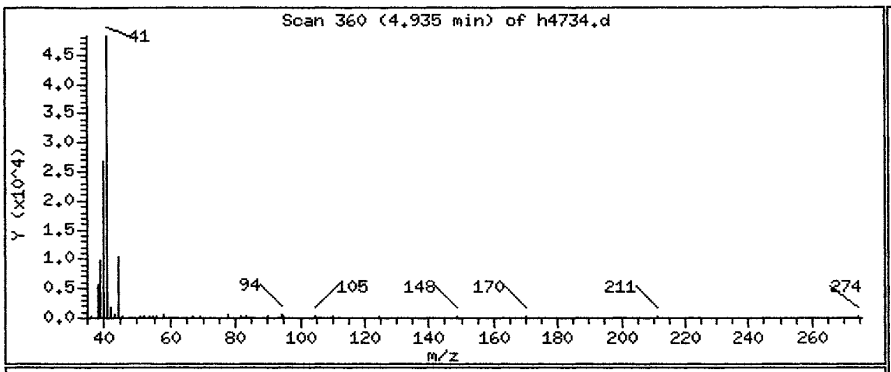
Operator: EGW

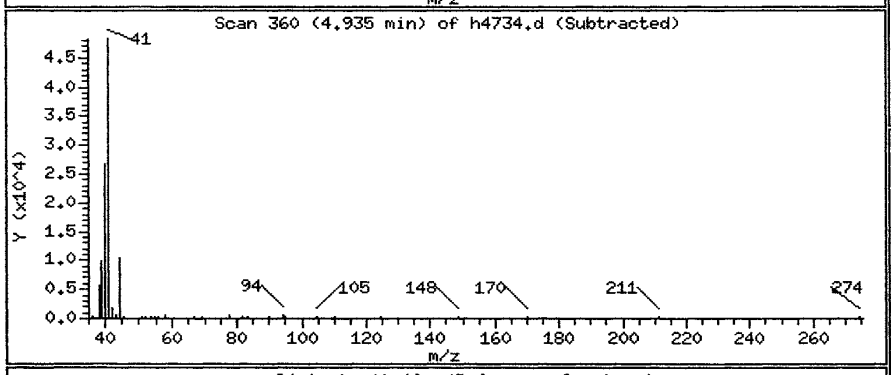
Column phase: DB-VRX-30M

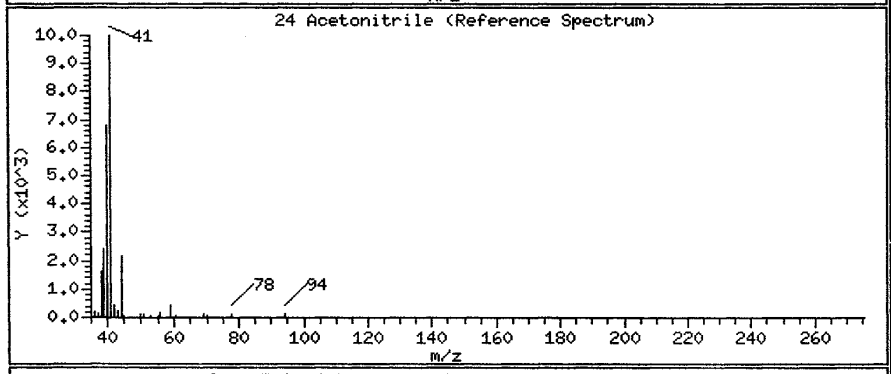
Column diameter: 0.53

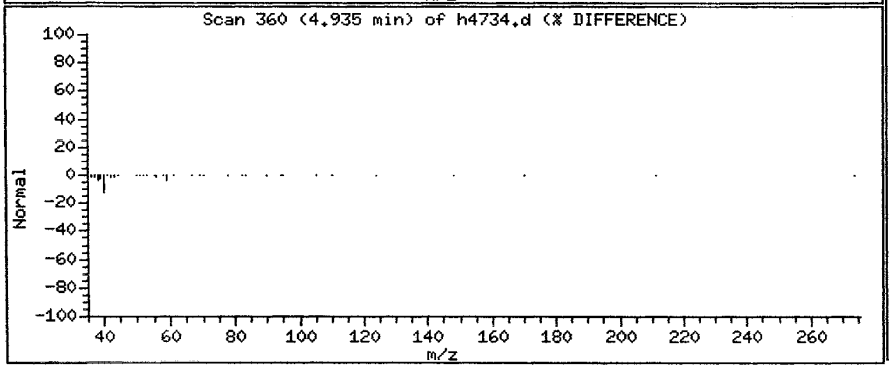
24 Acetonitrile

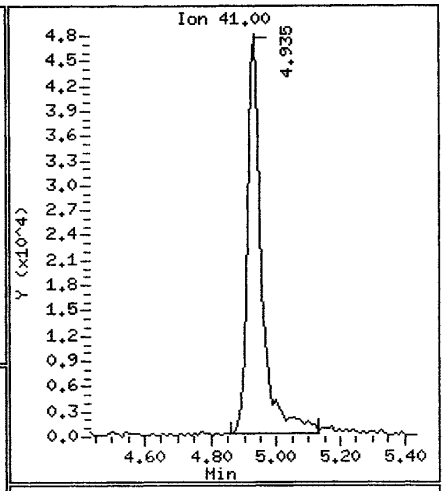
Concentration: 188 ug/L

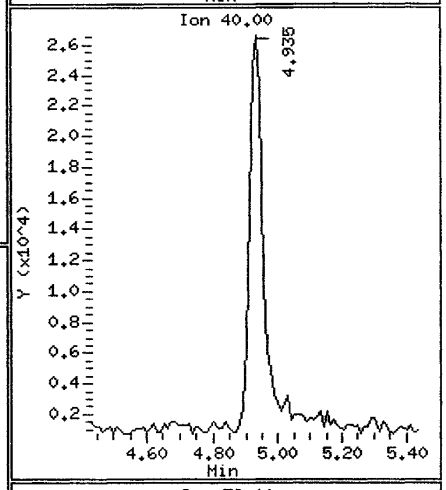


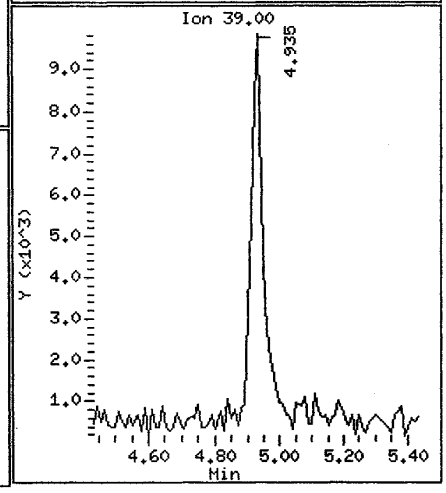












170199

Data File: /var/chem/msv5.i/2080610.b/h4734.d

Date : 10-JUN-2008 11:41

Client ID:

Instrument: msv5.i

Sample Info: 20806052214x

Purge Volume: 5.0

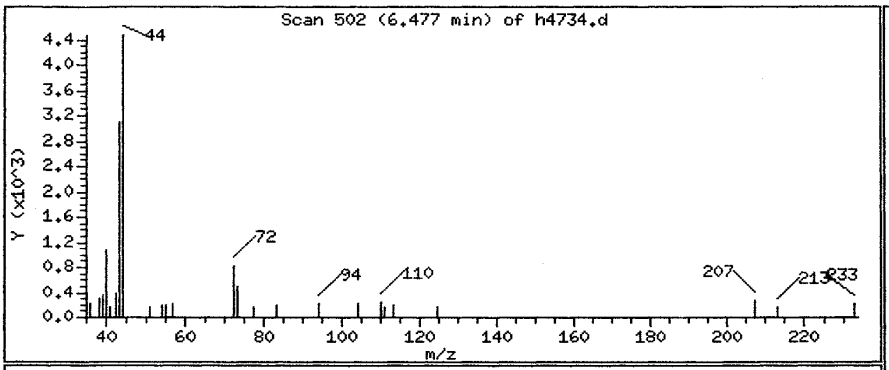
Operator: EGW

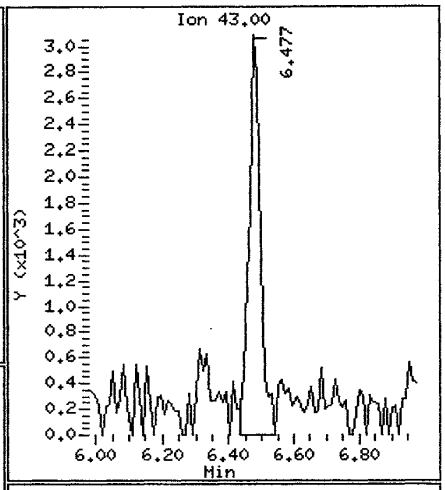
Column phase: DB-VRX-30M

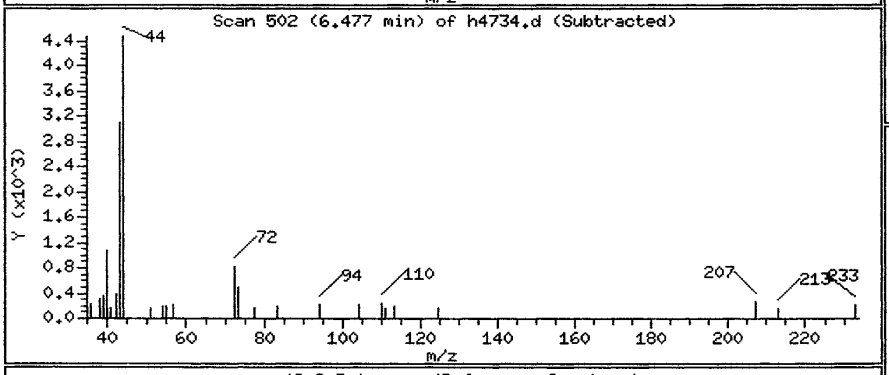
Column diameter: 0.53

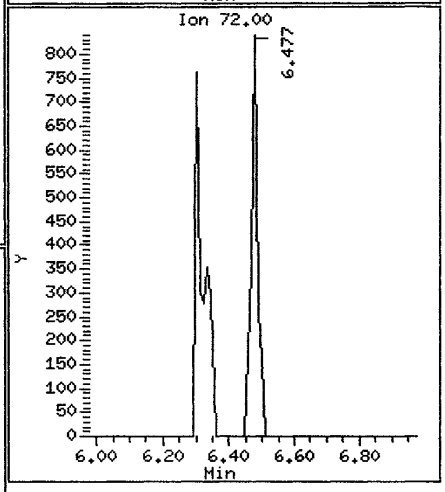
42 2-Butanone

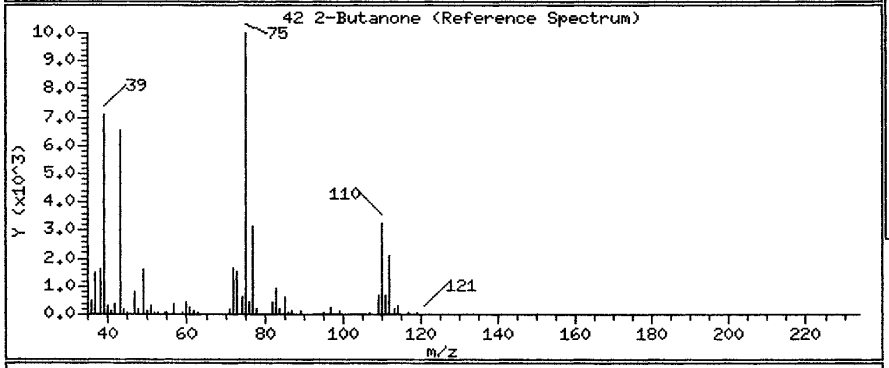
Concentration: 0.744 ug/L

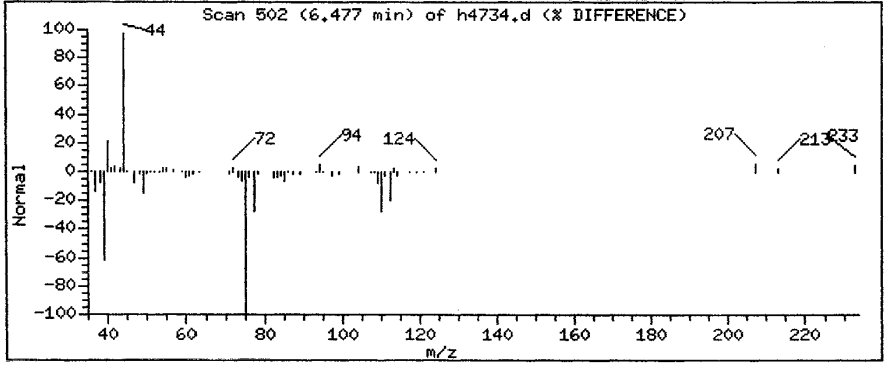






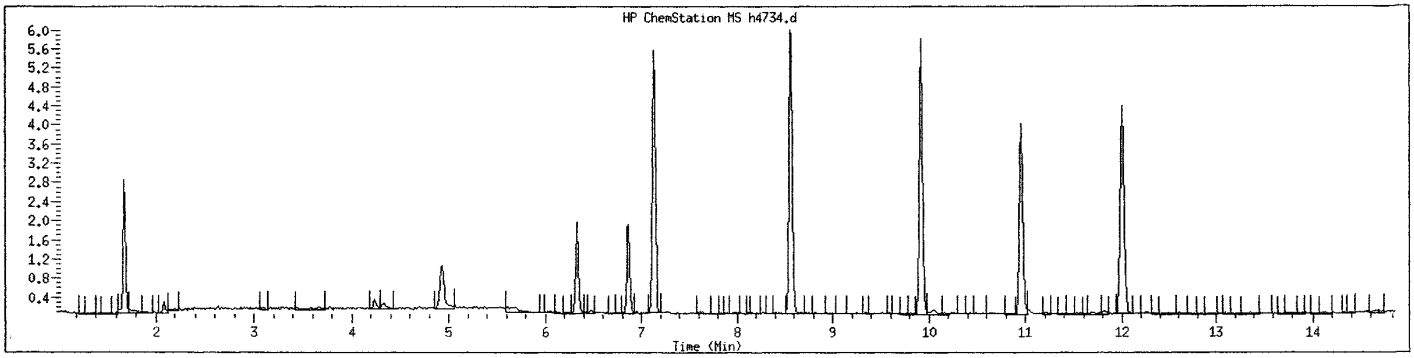






MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052214	SampleType	: SAMPLE
Injection Date	: 06/10/2008 11:41	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 20806052214*		
Misc Info	: MSV~13454~*1*EGW		
Method	: /var/chem/msv5.i/2080610.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK-2

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

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

Level: (low/med) LOW

% Moisture: not dec.

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

Instrument ID: MSV5

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20806052215

Lab File ID: 2080610/h4735

Date Collected: 06/04/08 Time: 0000

Date Received: 06/05/08

Date Analyzed: 06/10/08 Time: 1204

Dilution Factor: 1 Analyst: EGW

Prep Batch: Analytical Batch: 375282

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
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	0.00310	J	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	0.000760	J	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	0.015	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
71-43-2	Benzene	0.00500	U	0.000184	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK-2

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

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

Lab Sample ID: 20806052215

Level: (low/med) LOW

Lab File ID: 2080610/h4735

% Moisture: not dec.

Date Collected: 06/04/08 Time: 0000

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

Date Received: 06/05/08

Instrument ID: MSV5

Date Analyzed: 06/10/08 Time: 1204

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: EGW

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375282

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
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	0.00186	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
108-05-4	Vinyl acetate	0.00500	U	0.000207	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK-2

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

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

Lab Sample ID: 20806052215

Level: (low/med) LOW

Lab File ID: 2080610/h4735

% Moisture: not dec.

Date Collected: 06/04/08 Time: 0000

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

Date Received: 06/05/08

Instrument ID: MSV5

Date Analyzed: 06/10/08 Time: 1204

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: EGW

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375282

CONCENTRATION UNITS: mg/L

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
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/msv5.i/2080610.b/h4735.d
Lab Smp Id: 20806052215
Inj Date : 10-JUN-2008 12:04
Operator : EGW Inst ID: msv5.i
Smp Info : 20806052215*
Misc Info : MSV~13454~*1*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 10-Jun-2008 16:10 egw Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 9
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)	FINAL (ug/L)	SIMILARITY
	17 Methylene Chloride	49	4.239	4.241	(0.595)	7750	1.86140	1.86	
	18 Acetone	43	4.337	4.339	(0.608)	25453	15.1906	15.2	
	24 Acetonitrile	41	4.924	4.935	(0.691)	144201	177.853	178	8975
$	39 Dibromofluoromethane	111	6.336	6.329	(0.889)	145287	48.2677	48.3	6185
	42 2-Butanone	43	6.488	6.482	(0.910)	14791	3.10293	3.10	
$	48 1,2-Dichloroethane-d4	67	6.858	6.862	(0.962)	82748	49.5003	49.5	
*	52 FLUOROBENZENE	96	7.129	7.134	(1.000)	559421	50.0000		
$	67 Toluene-d8	98	8.563	8.570	(0.863)	463719	52.6699	52.7	
	80 2-Hexanone	43	9.660	9.658	(0.974)	3196	0.75978	0.760	
*	83 CHLOROBENZENE-d5	82	9.920	9.918	(1.000)	230526	50.0000		
$	94 Bromofluorobenzene	174	10.963	10.963	(1.105)	137135	52.2748	52.3	
*	111 1,4-DICHLOROBENZENE-D4	152	12.006	12.010	(1.000)	170527	50.0000		

Data File: /var/chem/msv5.i/2080610.b/h4735.d

Page 1

Date : 10-JUN-2008 12:04

Client ID:

Instrument: msv5.i

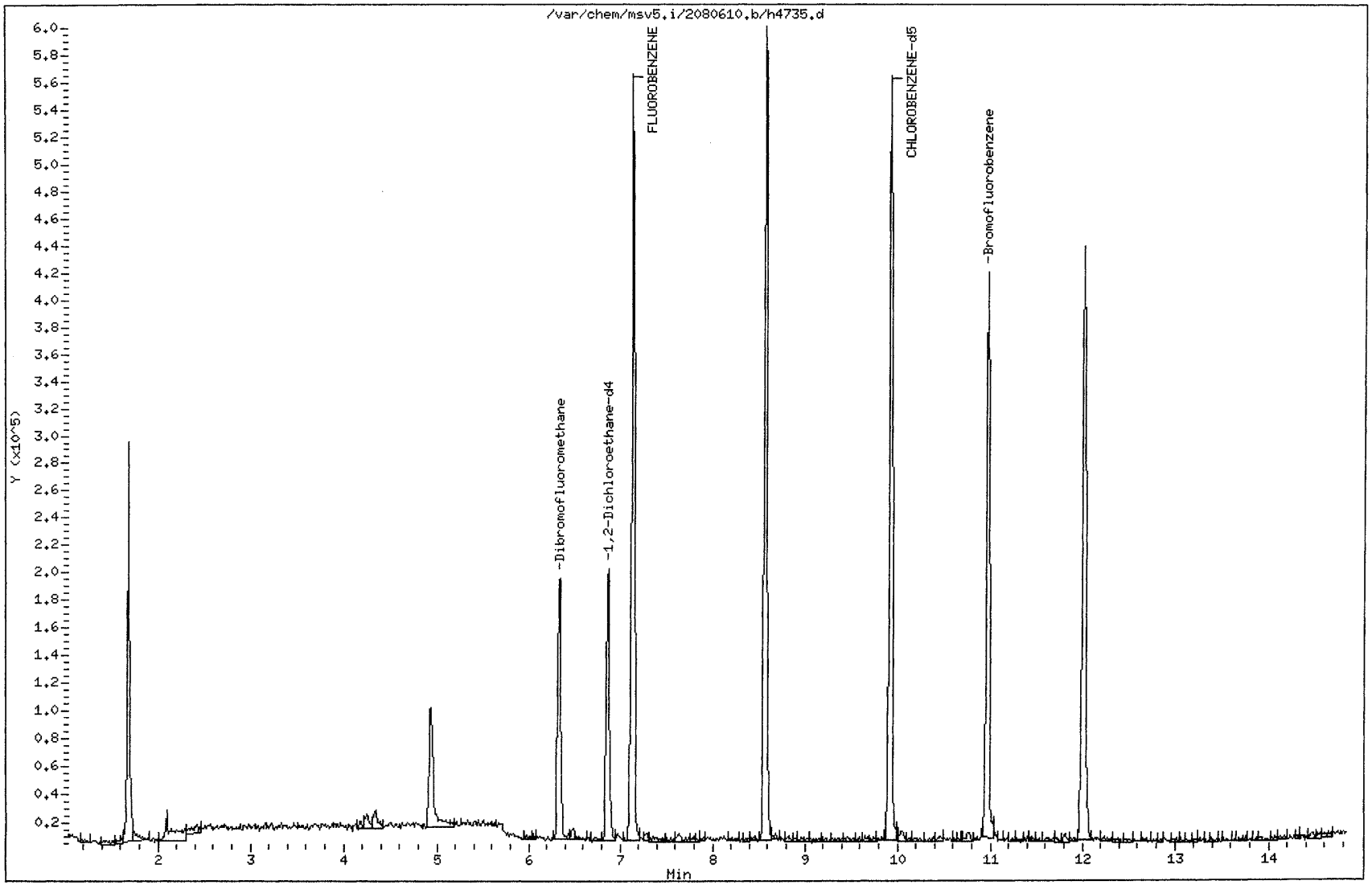
Sample Info: 20806052215x

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-30M

Column diameter: 0.53



Data File: /var/chem/msv5.i/2080610.b/h4735.d

Date : 10-JUN-2008 12:04

Client ID:

Instrument: msv5.i

Sample Info: 20806052215*

Purge Volume: 5.0

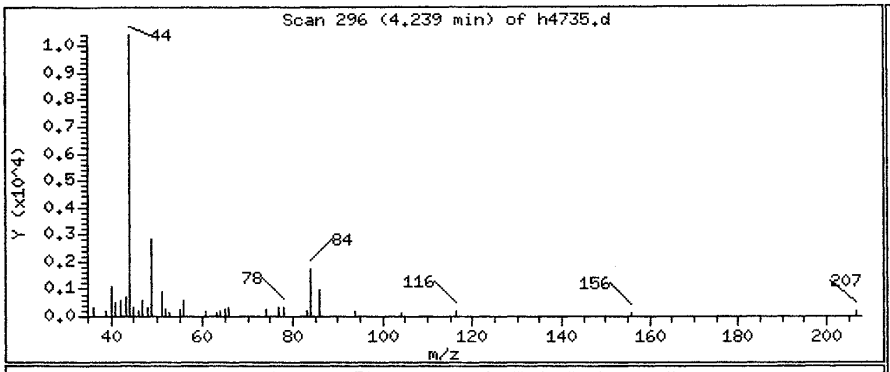
Operator: EGW

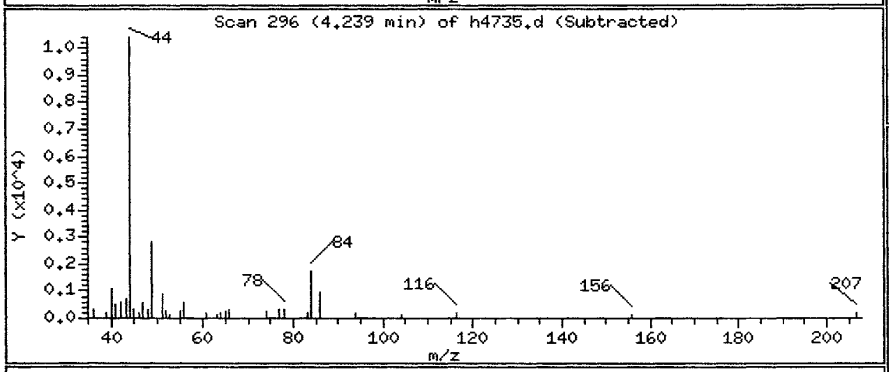
Column phase: DB-VRX-30M

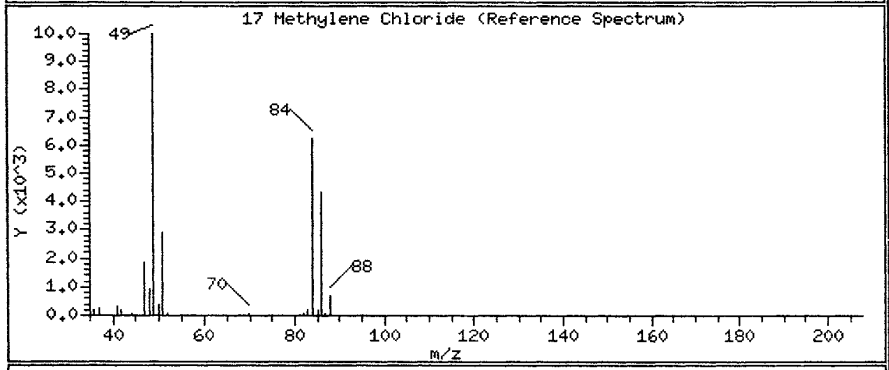
Column diameter: 0.53

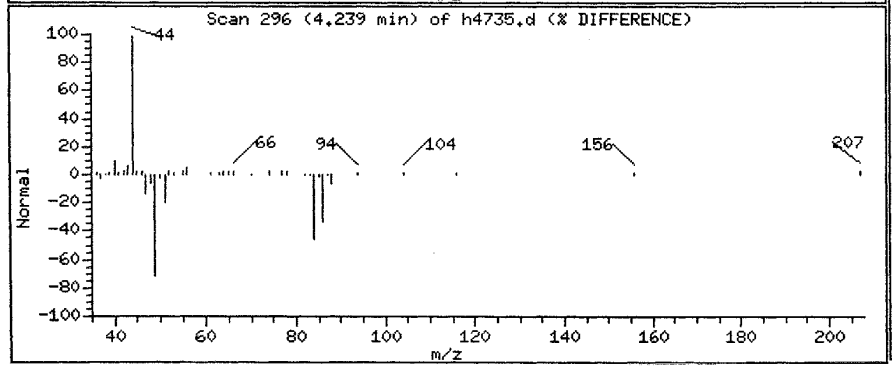
17 Methylene Chloride

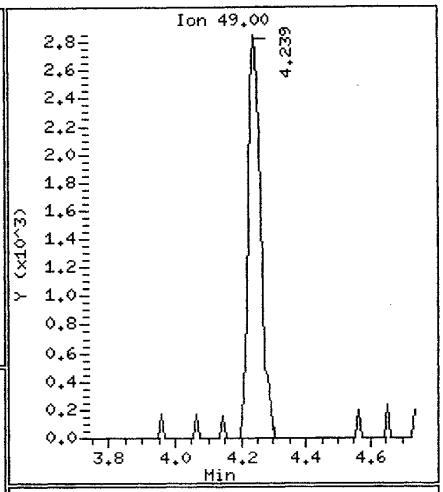
Concentration: 1.86 ug/L

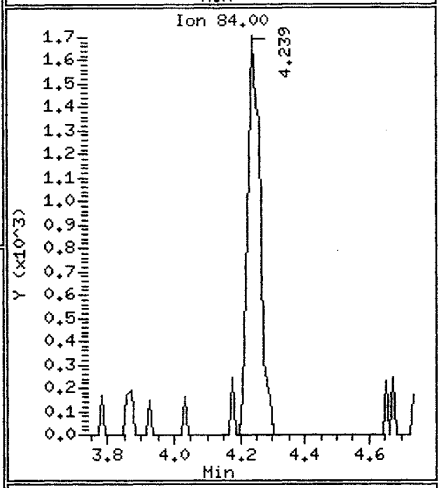


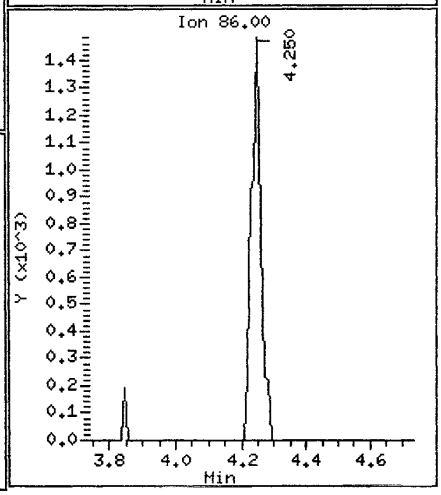












170207

Data File: /var/chem/msv5.i/2080610.b/h4735.d

Date : 10-JUN-2008 12:04

Client ID:

Instrument: msv5.i

Sample Info: 20806052215*

Purge Volume: 5.0

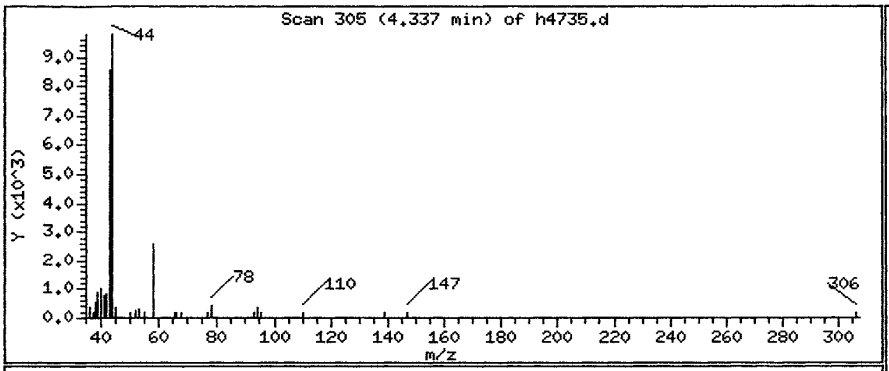
Operator: ECW

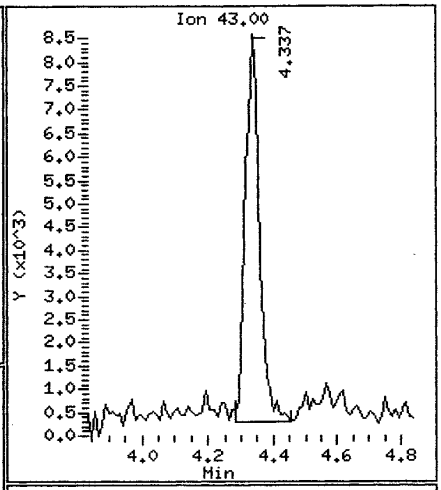
Column phase: DB-VRX-30M

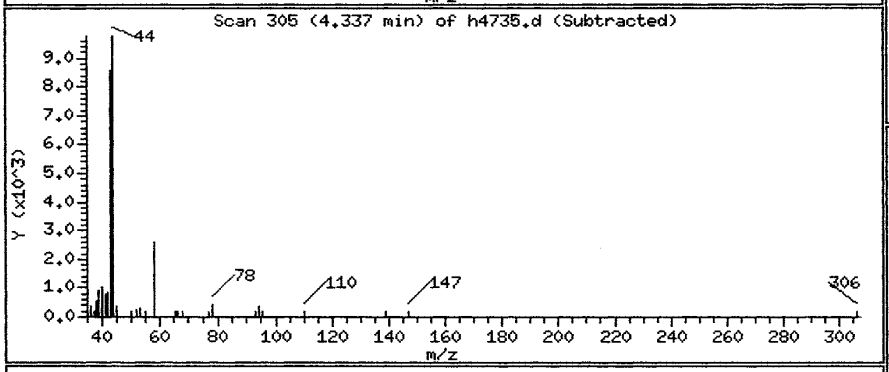
Column diameter: 0.53

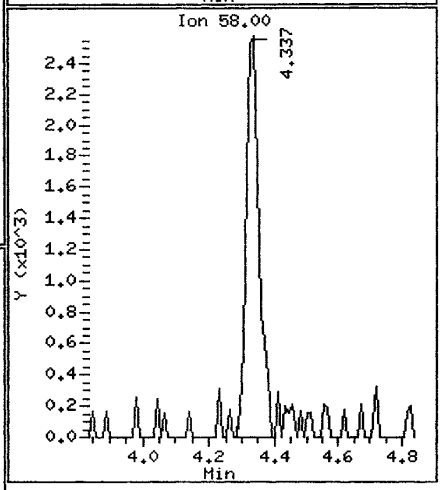
18 Acetone

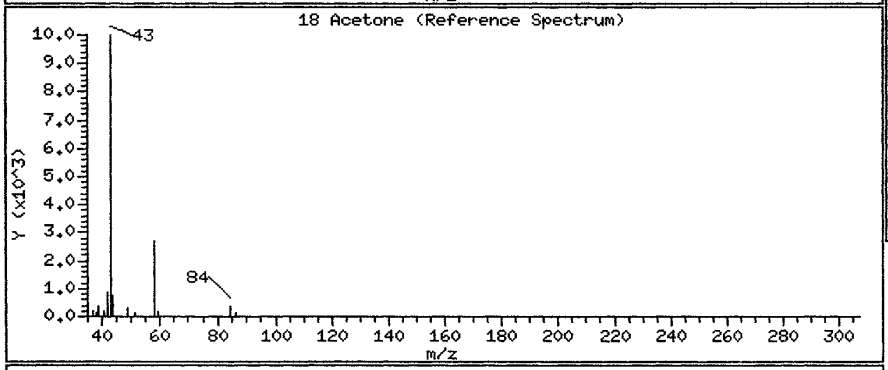
Concentration: 15.2 ug/L

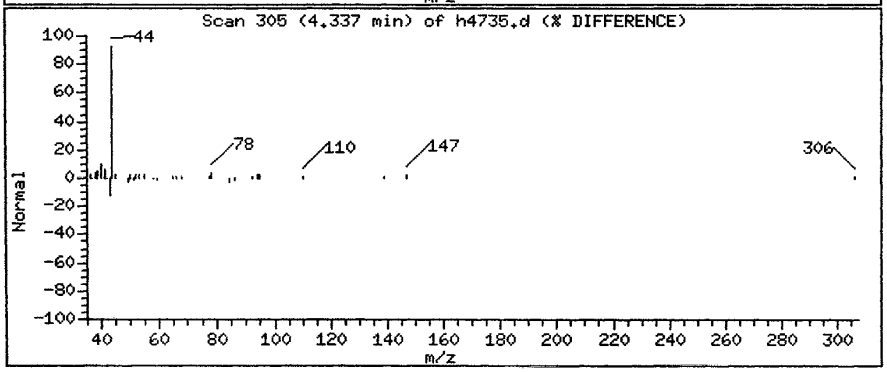












170208

Data File: /var/chem/msv5.i/2080610.b/h4735.d

Date : 10-JUN-2008 12:04

Client ID:

Instrument: msv5.i

Sample Info: 20806052215*

Purge Volume: 5.0

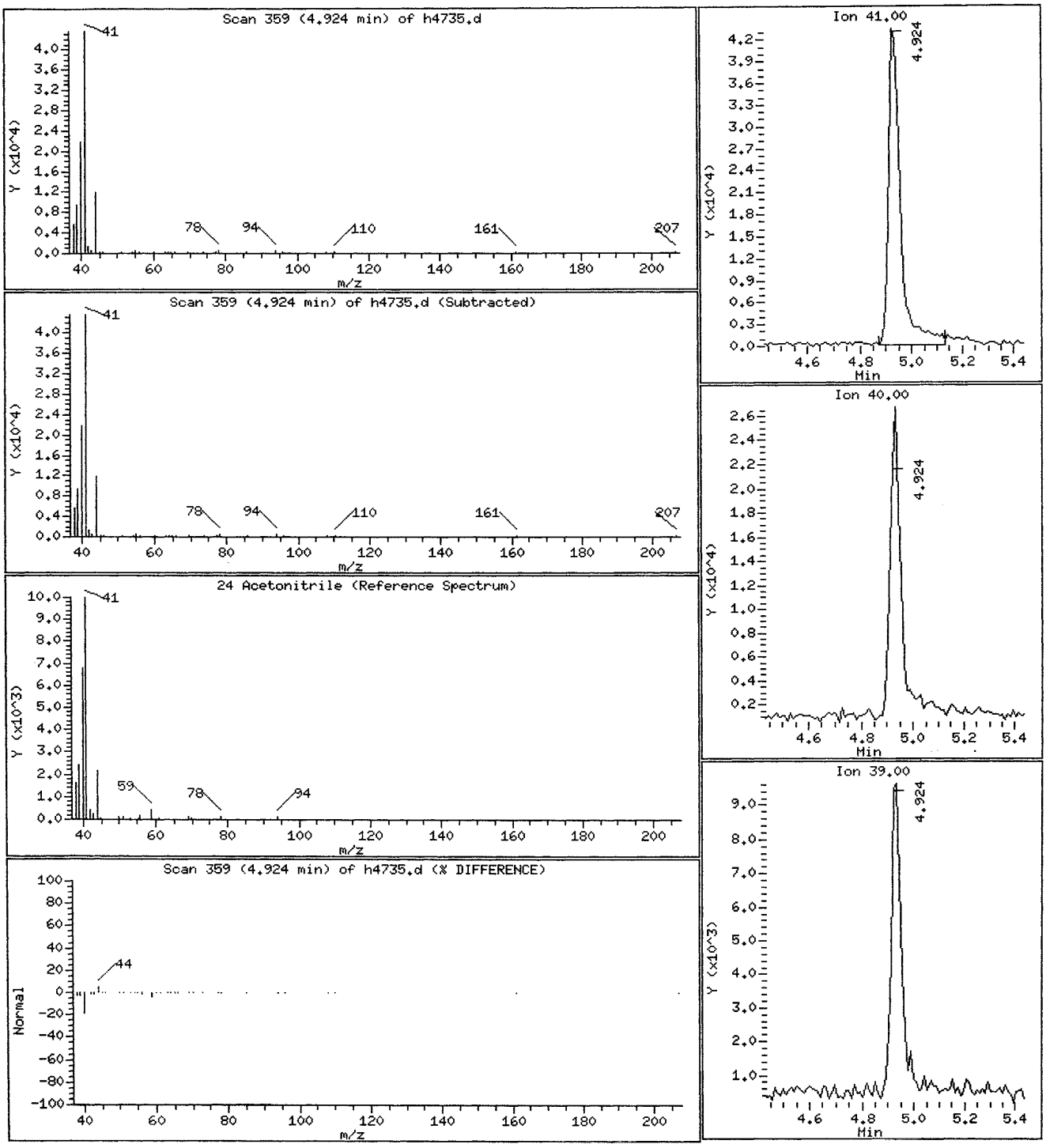
Operator: EGW

Column phase: DB-VRX-30M

Column diameter: 0.53

24 Acetonitrile

Concentration: 178 ug/L



170209

Data File: /var/chem/msv5.i/2080610.b/h4735.d

Date : 10-JUN-2008 12:04

Client ID:

Instrument: msv5.i

Sample Info: 20806052215*

Purge Volume: 5.0

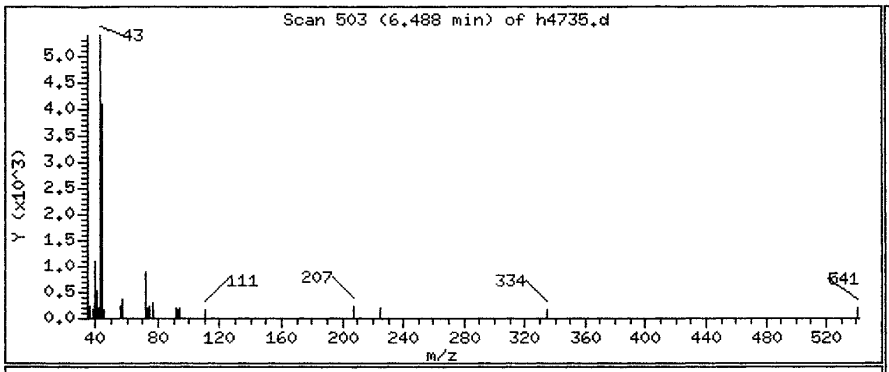
Operator: EGW

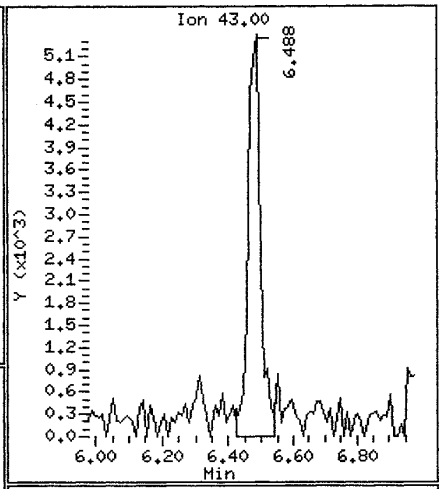
Column phase: DB-VRX-30M

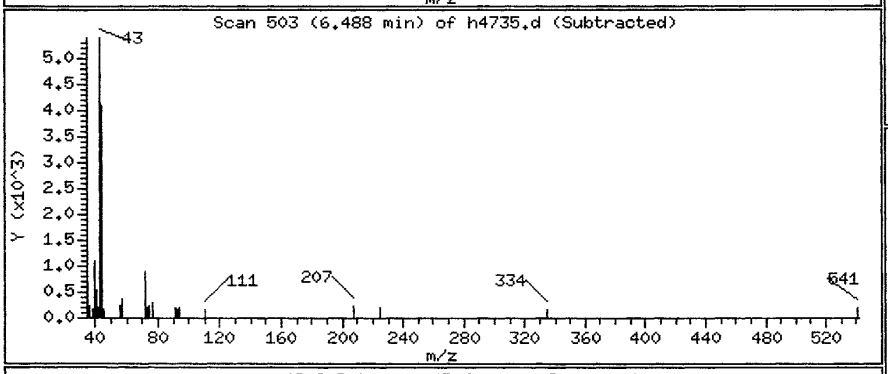
Column diameter: 0.53

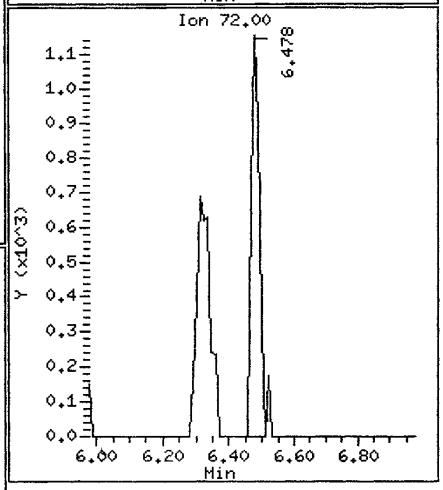
42 2-Butanone

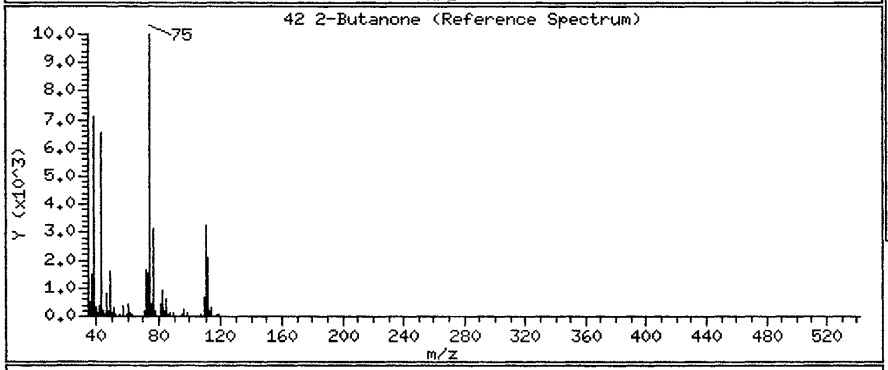
Concentration: 3.10 ug/L

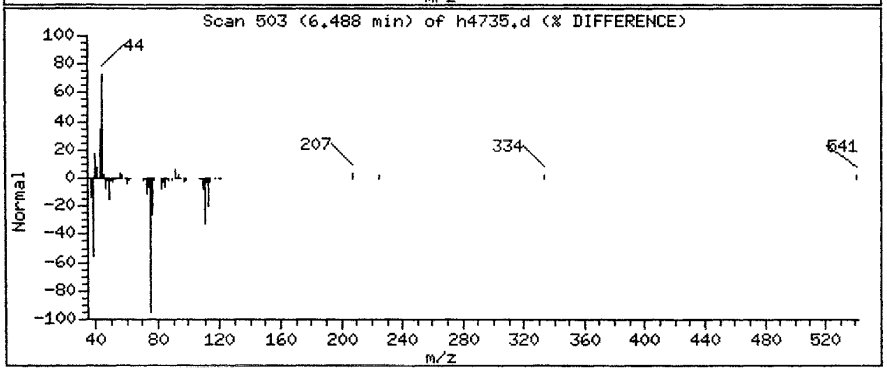












170210

Data File: /var/chem/msv5.i/2080610.b/h4735.d

Date : 10-JUN-2008 12:04

Client ID:

Instrument: msv5.i

Sample Info: 20806052215*

Purge Volume: 5.0

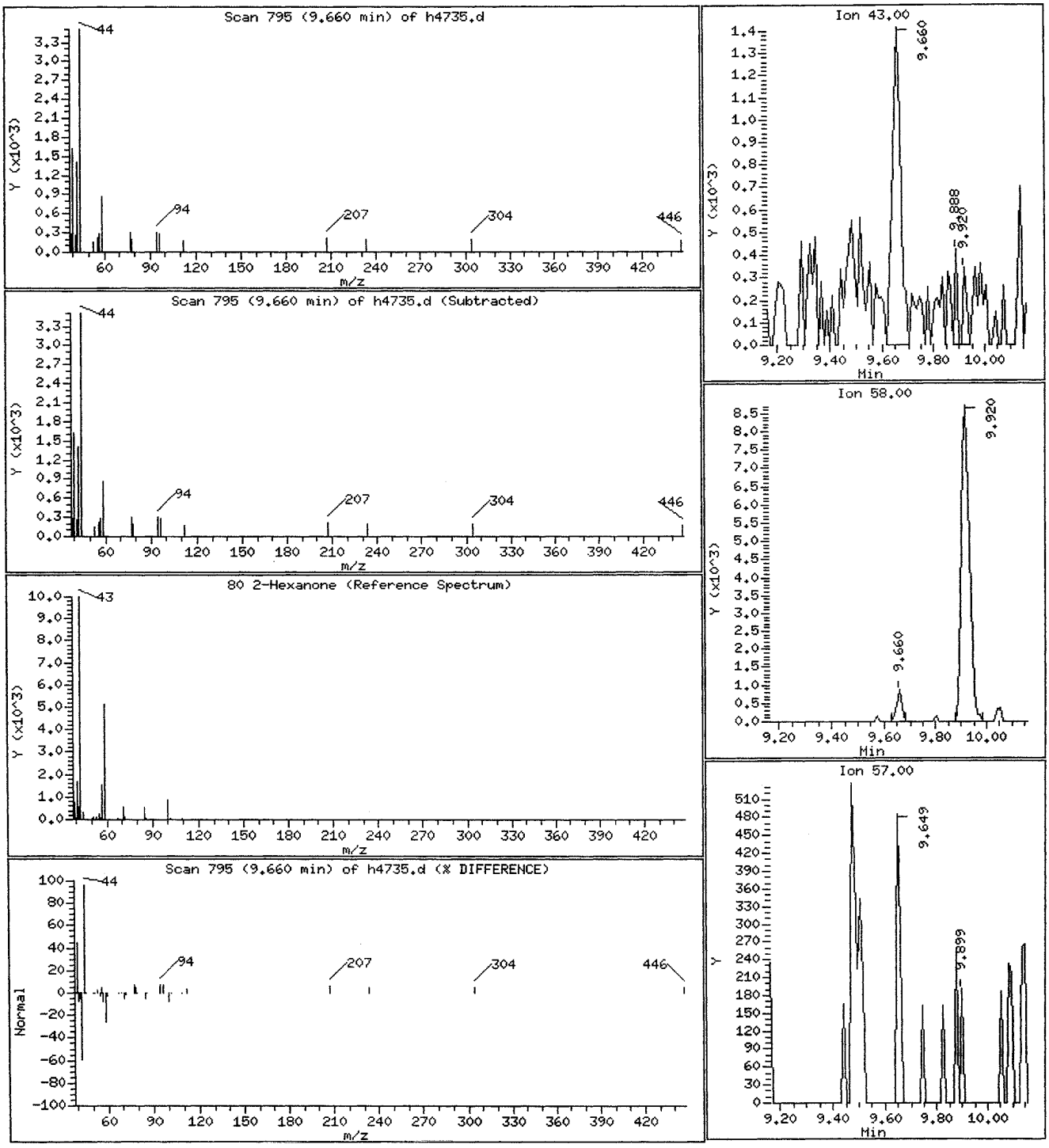
Operator: EGW

Column phase: DB-VRX-30M

Column diameter: 0.53

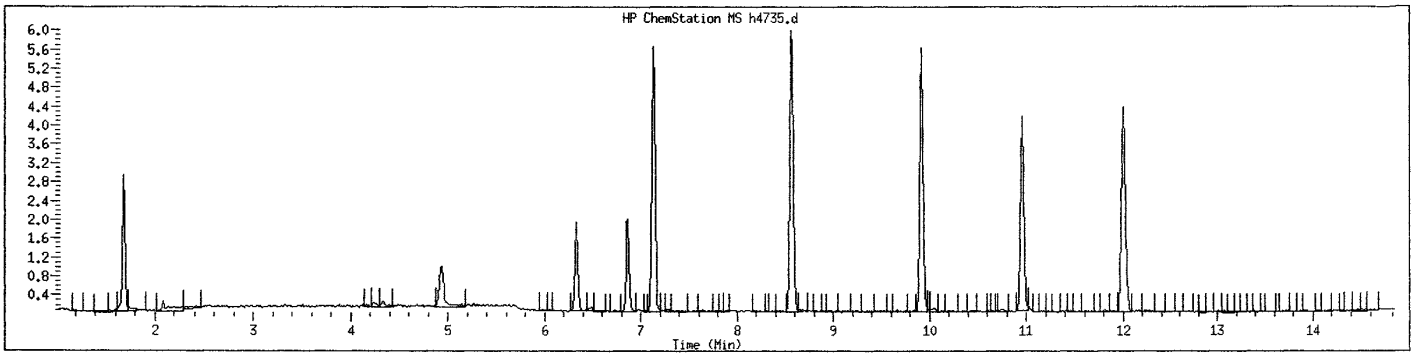
80 2-Hexanone

Concentration: 0.760 ug/L



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052215 SampleType : SAMPLE
Injection Date: 06/10/2008 12:04 Instrument : msv5.i
Operator : EGW
Sample Info : 20806052215*
Misc Info : MSV~13454~*1*EGW
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

170212

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK-3

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

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

Lab Sample ID: 20806052216

Level: (low/med) LOW

Lab File ID: 2080610/h4736

% Moisture: not dec.

Date Collected: 06/04/08 Time: 0000

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

Date Received: 06/05/08

Instrument ID: MSV5

Date Analyzed: 06/10/08 Time: 1227

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: EGW

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375282

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
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	0.00592		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	0.00141	J	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	0.016	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
71-43-2	Benzene	0.00500	U	0.000184	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK-3

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

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

Lab Sample ID: 20806052216

Level: (low/med) LOW

Lab File ID: 2080610/h4736

% Moisture: not dec.

Date Collected: 06/04/08 Time: 0000

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

Date Received: 06/05/08

Instrument ID: MSV5

Date Analyzed: 06/10/08 Time: 1227

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: EGW

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375282

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
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
108-05-4	Vinyl acetate	0.00500	U	0.000207	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK-3

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

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

Level: (low/med) LOW

% Moisture: not dec.

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

Instrument ID: MSV5

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20806052216

Lab File ID: 2080610/h4736

Date Collected: 06/04/08 Time: 0000

Date Received: 06/05/08

Date Analyzed: 06/10/08 Time: 1227

Dilution Factor: 1 Analyst: EGW

Prep Batch: Analytical Batch: 375282

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
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/msv5.i/2080610.b/h4736.d
Lab Smp Id: 20806052216
Inj Date : 10-JUN-2008 12:27
Operator : EGW Inst ID: msv5.i
Smp Info : 20806052216*
Misc Info : MSV~13454~*1*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 10-Jun-2008 16:10 egw Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 10
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)	FINAL (ug/L)	SIMILARITY
18 Acetone	43	4.326	4.339	(0.607)	25167	15.9334	15.9	
24 Acetonitrile	41	4.935	4.935	(0.692)	214083	277.947	278	9051
$ 39 Dibromofluoromethane	111	6.325	6.329	(0.887)	145713	50.9585	51.0	6227
42 2-Butanone	43	6.477	6.482	(0.909)	21867	5.92096	5.92	(H)
$ 48 1,2-Dichloroethane-d4	67	6.868	6.862	(0.963)	80930	50.9622	51.0	
* 52 FLUOROBENZENE	96	7.129	7.134	(1.000)	531435	50.0000		
$ 67 Toluene-d8	98	8.574	8.570	(0.864)	462728	52.6023	52.6	
80 2-Hexanone	43	9.649	9.658	(0.973)	5929	1.41070	1.41	
* 83 CHLOROBENZENE-d5	82	9.920	9.918	(1.000)	230329	50.0000		
$ 94 Bromofluorobenzene	174	10.963	10.963	(1.105)	138294	52.7616	52.8	
* 111 1,4-DICHLOROBENZENE-D4	152	12.006	12.010	(1.000)	166526	50.0000		

170216

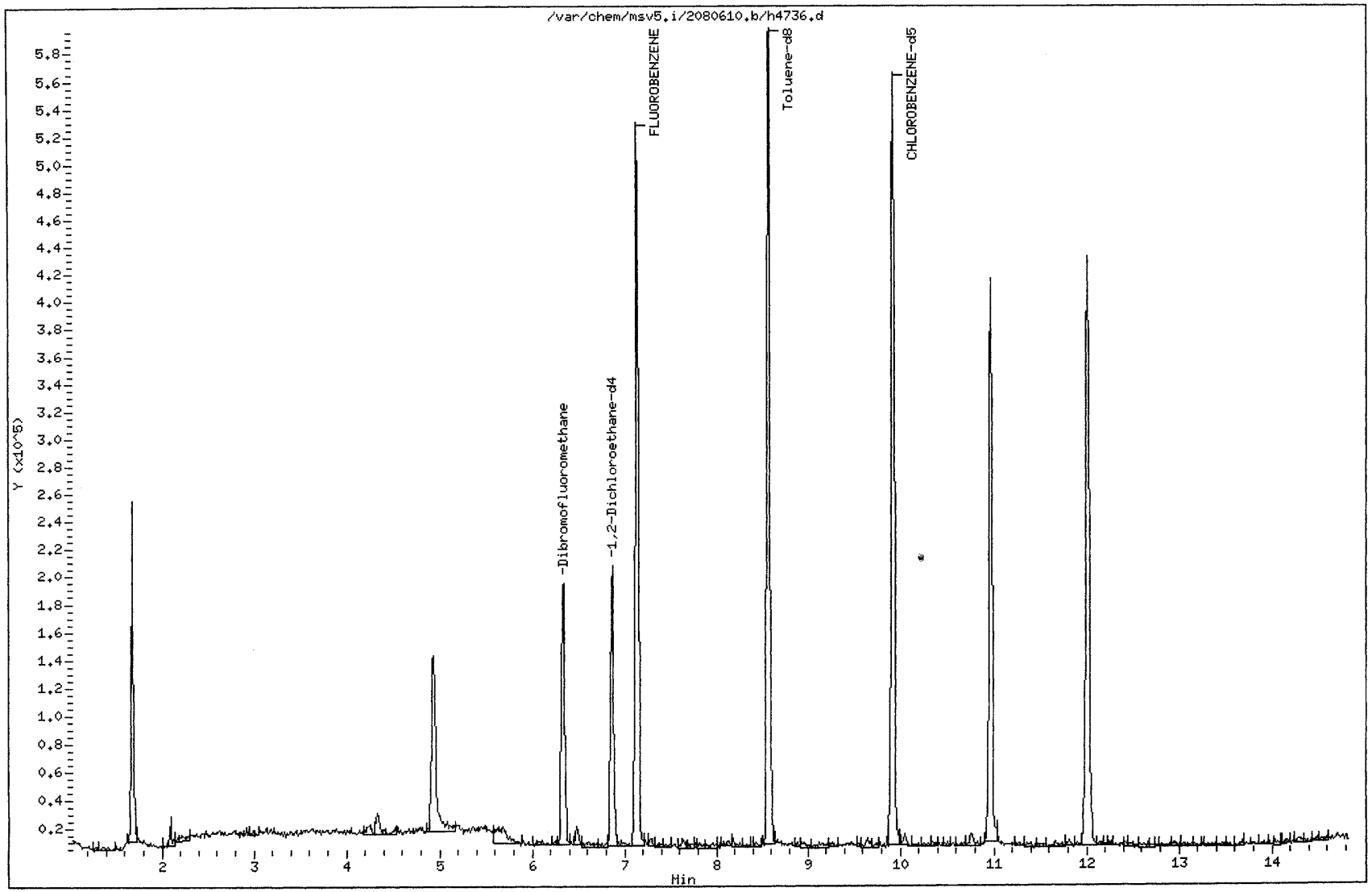
QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: /var/chem/msv5.i/2080610.b/h4736.d
Date : 10-JUN-2008 12:27
Client ID:
Sample Info: 20806052216x
Purge Volume: 5.0
Column phase: DB-VRX-30M

Instrument: msv5.i

Operator: EGW
Column diameter: 0.53



Data File: /var/chem/msv5.i/2080610.b/h4736.d

Date : 10-JUN-2008 12:27

Client ID:

Instrument: msv5.i

Sample Info: 20806052216*

Purge Volume: 5.0

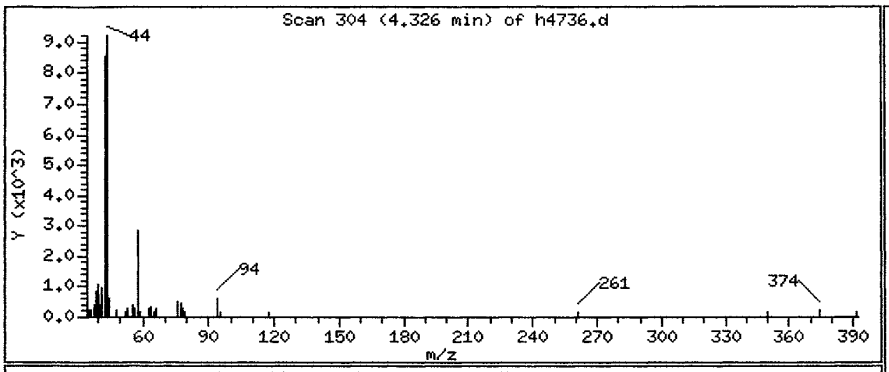
Operator: EGW

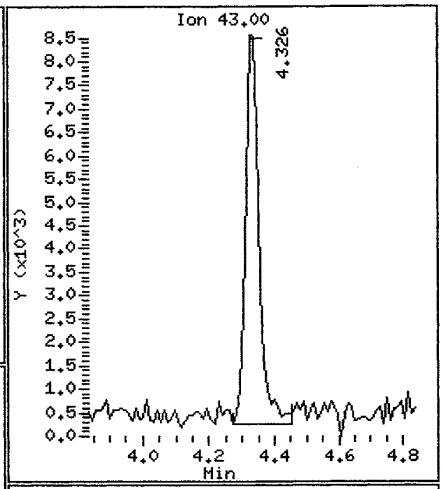
Column phase: DB-VRX-30M

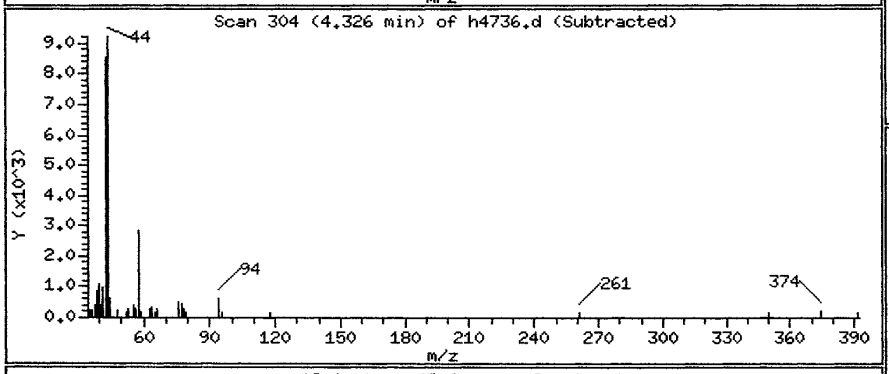
Column diameter: 0.53

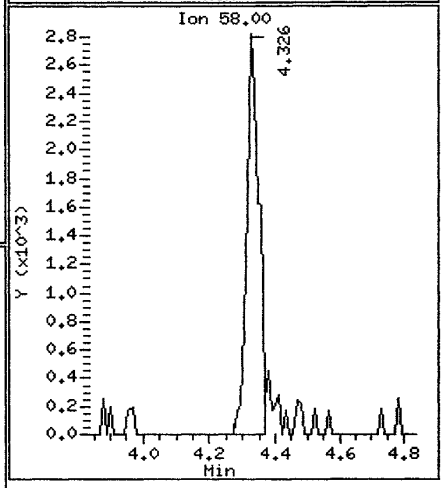
18 Acetone

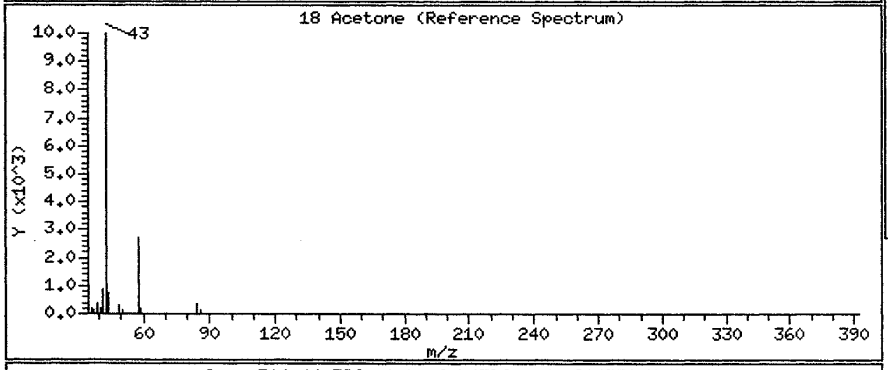
Concentration: 15.9 ug/L

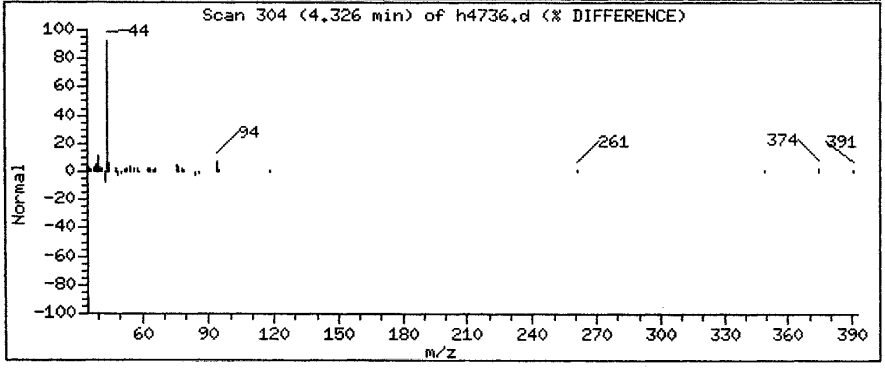












Data File: /var/chem/msv5.i/2080610.b/h4736.d

Date : 10-JUN-2008 12:27

Client ID:

Instrument: msv5.i

Sample Info: 20806052216*

Purge Volume: 5.0

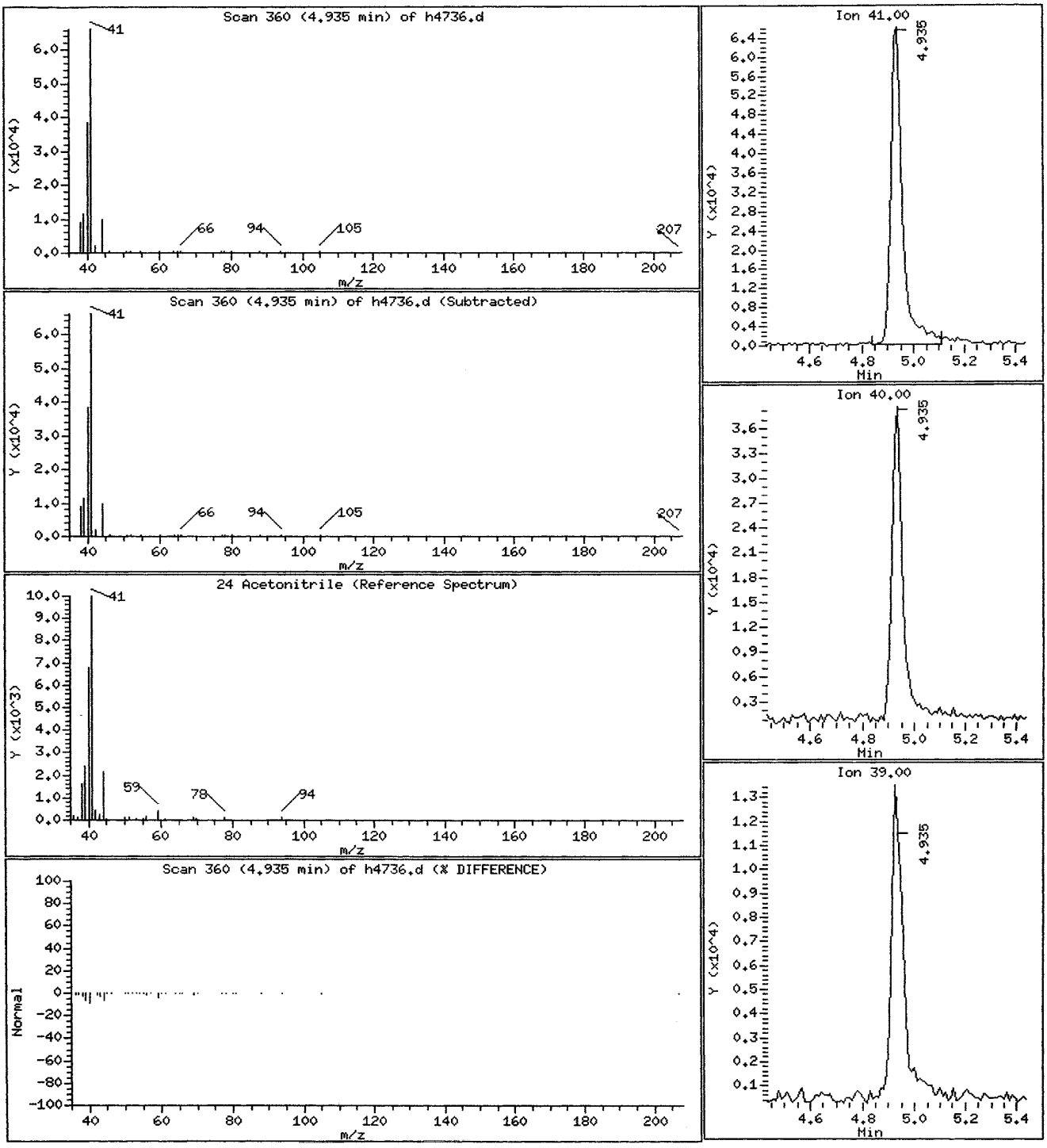
Operator: EGW

Column phase: DB-VRX-30M

Column diameter: 0.53

24 Acetonitrile

Concentration: 278 ug/L



170220

Data File: /var/chem/msv5.i/2080610.b/h4736.d

Date : 10-JUN-2008 12:27

Client ID:

Instrument: msv5.i

Sample Info: 20806052216*

Purge Volume: 5.0

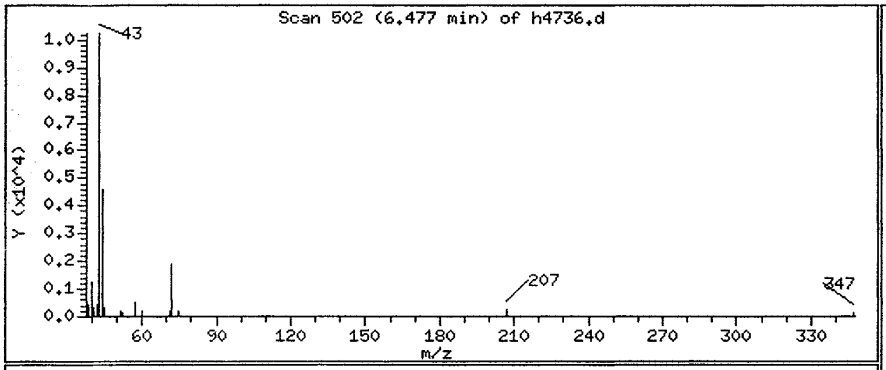
Operator: EGW

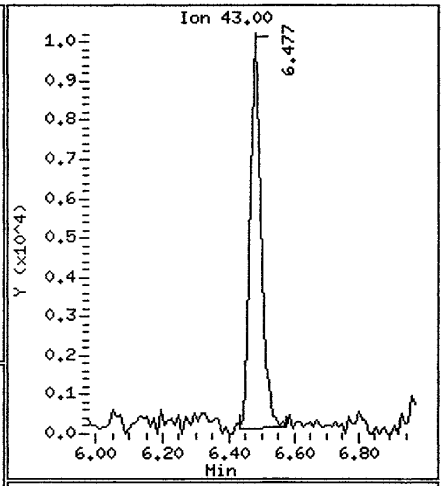
Column phase: DB-VRX-30M

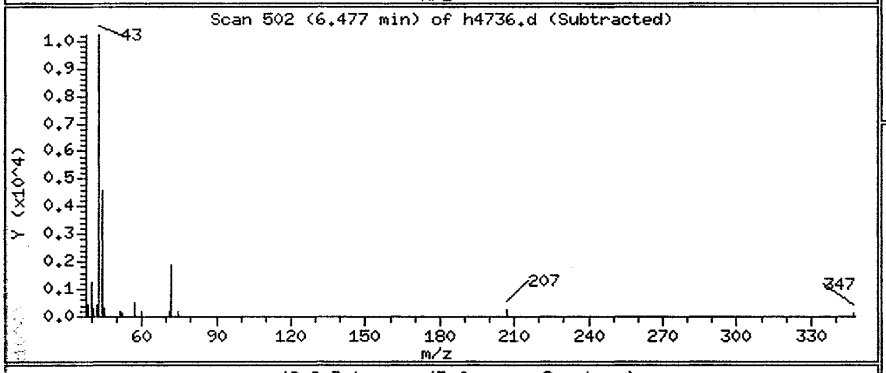
Column diameter: 0.53

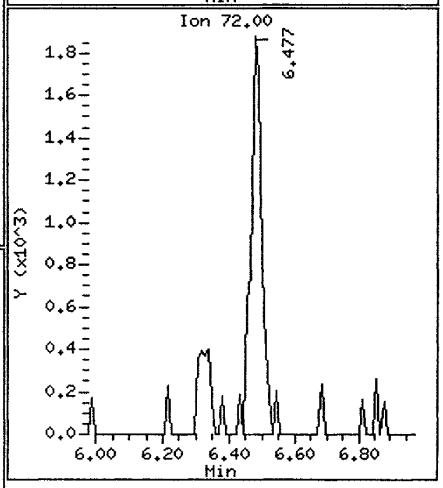
42 2-Butanone

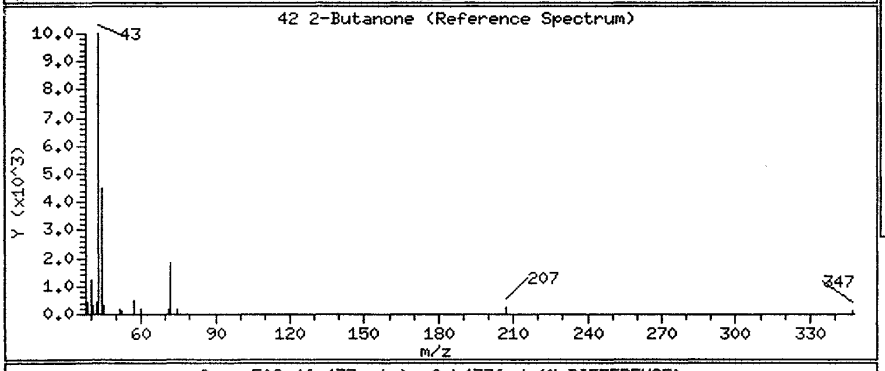
Concentration: 5.92 ug/L

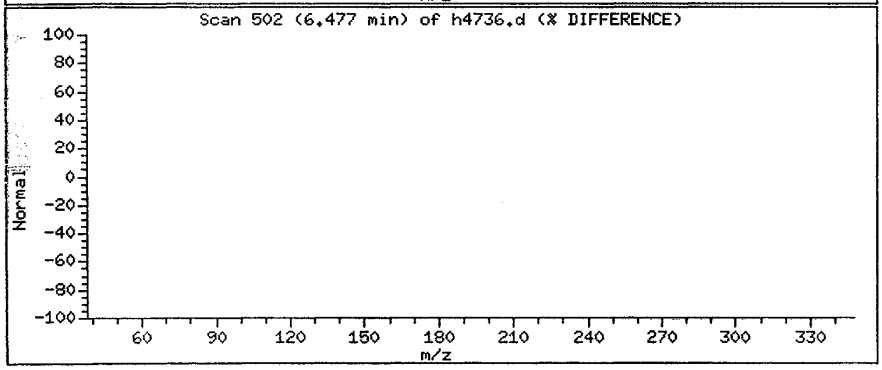












Data File: /var/chem/msv5.i/2080610.b/h4736.d

Date : 10-JUN-2008 12:27

Client ID:

Instrument: msv5.i

Sample Info: 20806052216*

Purge Volume: 5.0

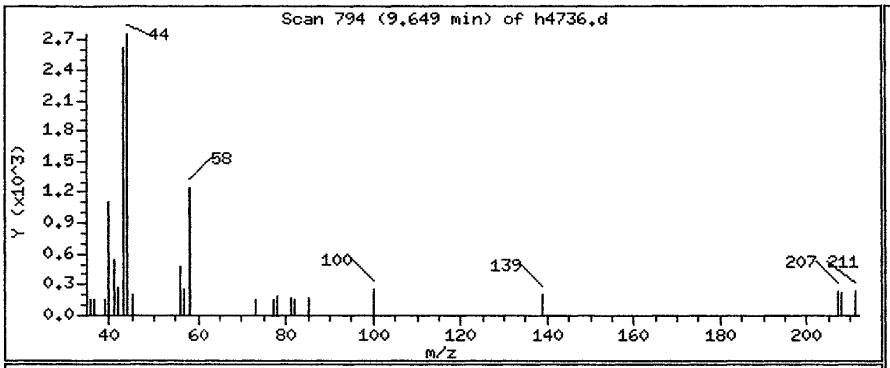
Operator: EGW

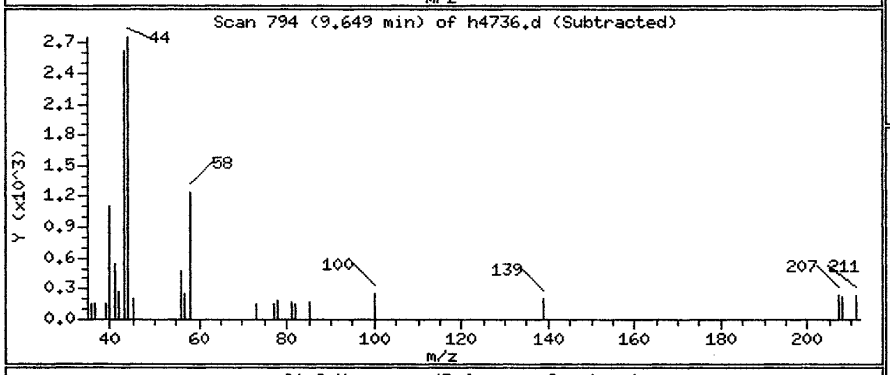
Column phase: DB-VRX-30M

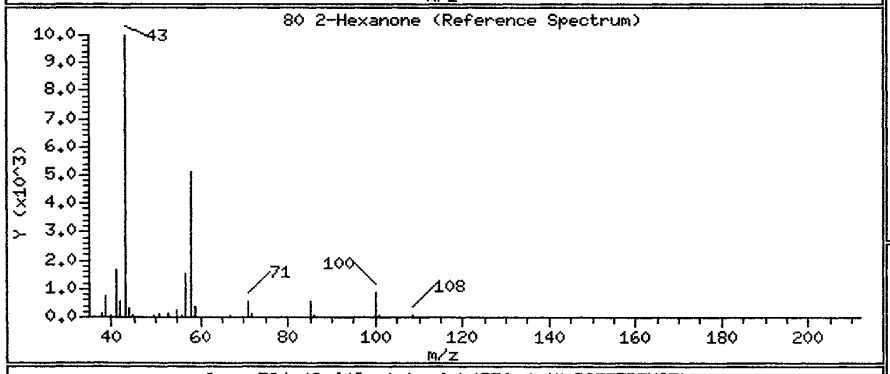
Column diameter: 0.53

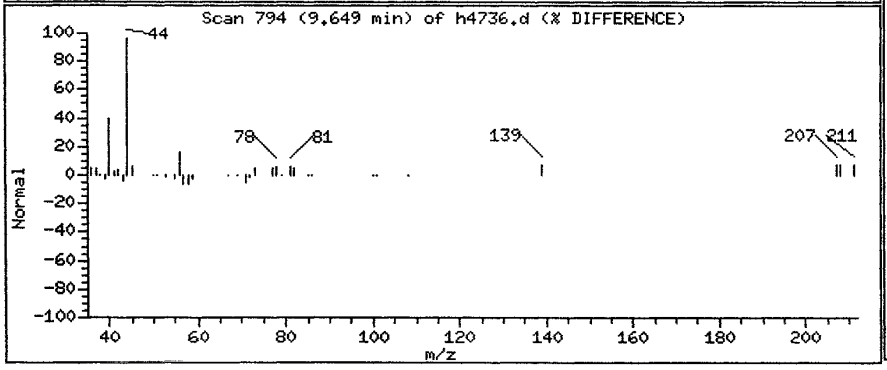
80 2-Hexanone

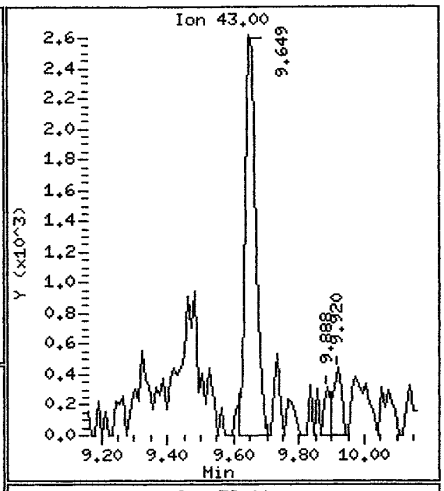
Concentration: 1.41 ug/L

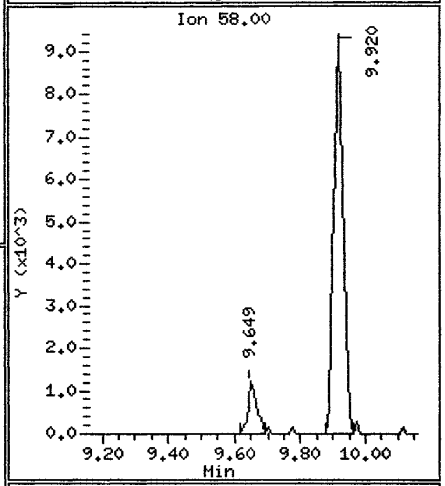


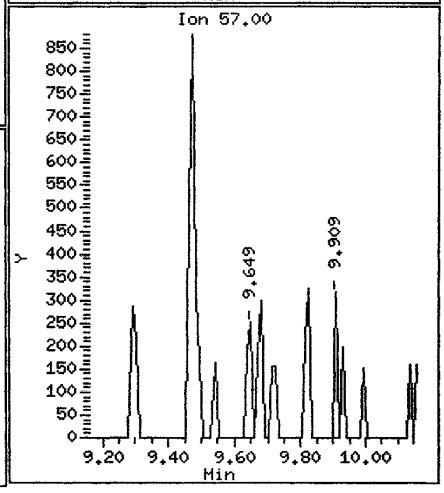








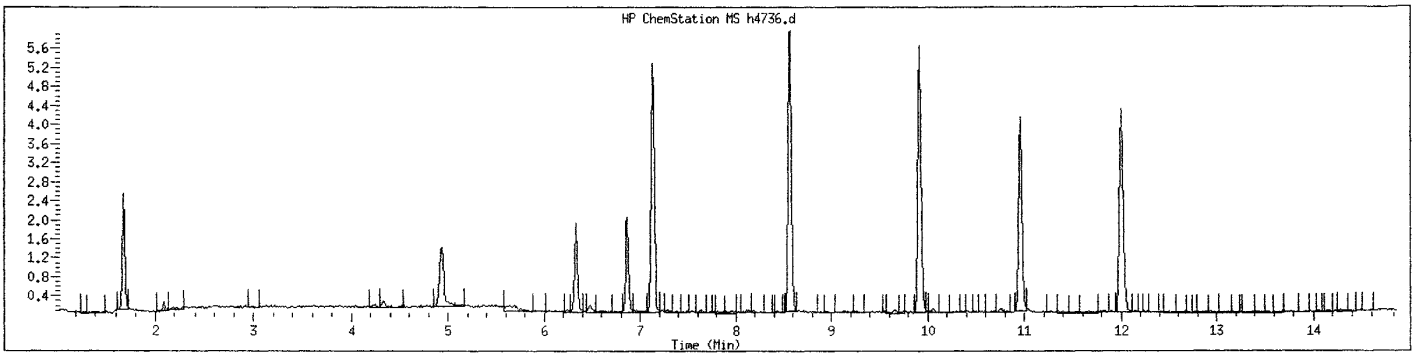




Data file : /var/chem/msv5.i/2080610.b/h4736.d
Report Date: 06/10/2008 16:22

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052216	SampleType	: SAMPLE
Injection Date	: 06/10/2008 12:27	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 20806052216*		
Misc Info	: MSV~13454~*1*EGW		
Method	: /var/chem/msv5.i/2080610.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

170223

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2008 21:51
End Cal Date : 08-JUN-2008 00:07
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 rjo

Calibration File Names:
Level 1: /var/chem/msv0.i/2080607p.b/x8801.d
Level 2: /var/chem/msv0.i/2080607p.b/x8803.d
Level 3: /var/chem/msv0.i/2080607p.b/x8804.d
Level 4: /var/chem/msv0.i/2080607p.b/x8805.d
Level 5: /var/chem/msv0.i/2080607p.b/x8806.d
Level 6: /var/chem/msv0.i/2080607p.b/x8800.d
Level 7: /var/chem/msv0.i/2080607p.b/x8802.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	0.22036	0.21155	0.19991	0.21322	0.20906	0.21653						
	0.22740						AVRG		0.21401		4.07302	
3 1,3 Butadiene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
2 Chloromethane ++	0.53066	0.45624	0.43750	0.47924	0.49314	+++++						
	0.47812						AVRG		0.47915		6.67144	
4 Vinyl Chloride +	0.28880	0.27618	0.26330	0.28296	0.27655	0.28508						
	0.29036						AVRG		0.28046		3.33032	

170224

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2008 21:51
End Cal Date : 08-JUN-2008 00:07
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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	20193	40939	97486	243102	584613	6196						
	24208						QUAD	-0.01535	11.27994	-5.93169	0.99758	
6 Chloroethane	0.14274	0.12137	0.15387	0.10961	+++++	+++++						
	0.13134						AVRG		0.13179		13.18577	
7 Trichlorofluoromethane	0.24167	0.23329	0.28060	0.23718	0.23374	0.27545						
	0.26613						AVRG		0.25258		8.20205	
8 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
11 1,1-Dichloroethene +	0.20373	0.20625	0.20025	0.20553	0.18574	0.20270						
	0.21324						AVRG		0.20249		4.16229	
14 Carbon Disulfide	0.79130	0.79776	0.75979	0.75673	0.70355	0.82871						
	0.82192						AVRG		0.77997		5.58073	
9 1,1,2Trichlotrifluoroethane	0.22084	0.21644	0.19739	0.21164	0.19608	0.20724						
	0.21585						AVRG		0.20935		4.58769	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2008 21:51
End Cal Date : 08-JUN-2008 00:07
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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	0.12370	0.13052	0.10469	0.10073	+++++	0.10760						
	0.12673						AVRG		0.11566		11.04595	
15 Allyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
17 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
10 Acrolein	0.02211	0.02005	0.01861	0.01926	0.01787	0.02452						
	0.02103						AVRG		0.02049		11.13976	
18 Methylene Chloride	0.46395	0.38402	0.34959	0.36964	0.36611	+++++						
	0.42755						AVRG		0.39348		11.05451	
12 Acetone	30189	59165	114577	207849	385399	22364						
	41488						LINR	-0.27290	0.07416		0.99788	
21 trans-1,2-Dichloroethene	0.36543	0.36865	0.34788	0.37010	0.36179	0.32623						
	0.37892						AVRG		0.35986		4.88574	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2008 21:51
End Cal Date : 08-JUN-2008 00:07
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
16 Methyl Acetate	35536	69320	133157	292873	568791	52480						
	48885						LINR	-0.18576	0.11014		0.99503	
23 Hexane	0.51133	0.49505	0.43042	0.47602	0.45538	0.57245						
	0.52799						AVRG		0.49552		9.55555	
20 MTBE	0.42884	0.41403	0.35161	0.39314	0.36021	0.34297						
	0.41855						AVRG		0.38705		9.08772	
25 Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
35 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
28 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

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GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2008 21:51
End Cal Date : 08-JUN-2008 00:07
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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											
26 1,1-Dichloroethane ++	0.44888	0.45527	0.44041	0.46357	0.45947	0.41703						
	0.46380						AVRG		0.44978		3.71106	
22 Acrylonitrile	0.05668	0.05828	0.05464	0.05808	0.05642	0.04787						
	0.05807						AVRG		0.05572		6.62752	
27 Vinyl Acetate	0.36900	0.34846	0.31386	0.33197	0.30984	0.28725						
	0.36821						AVRG		0.33266		9.32268	
24 2-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
30 cis-1,2-Dichloroethene	0.37952	0.36375	0.35125	0.36744	0.35958	0.36017						
	0.37857						AVRG		0.36575		2.82379	
32 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
29 2,2-Dichloropropane	0.22807	0.20980	0.16126	0.23106	0.24149	+++++						
	0.22141						AVRG		0.21551		13.26341	

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GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2008 21:51
End Cal Date : 08-JUN-2008 00:07
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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	0.52602	0.50264	0.46763	0.48567	0.47733	0.51816						
	0.52820						AVRG		0.50081		4.87136	
34 Bromochloromethane	0.07628	0.09050	0.08802	0.10374	0.10661	+++++						
	0.08049						AVRG		0.09094		13.39666	
33 Proprionitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
38 Chloroform +	0.52147	0.45411	0.40081	0.41225	0.40940	+++++						
	0.47417						AVRG		0.44537		10.56668	
36 Tetrahydrofuran	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
42 Carbon Tetrachloride	0.17017	0.17619	0.13784	0.16448	0.17140	0.12468						
	0.17562						AVRG		0.16005		12.74755	
37 Methylacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2008 21:51
End Cal Date : 08-JUN-2008 00:07
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 rjo

Compound	5 Level 1 / 10 Level 7	20 Level 2	50 Level 3	100 Level 4	200 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
45 Isobutyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
40 1,1,1-Trichloroethane	0.29632	0.30945	0.28894	0.30794	0.30568	0.26494						
	0.30916						AVRG		0.29749		5.47146	
43 1,1-Dichloropropene	0.34994	0.34678	0.32411	0.34374	0.33665	0.34355						
	0.36602						AVRG		0.34440		3.70498	
31 2-Butanone	18814	51295	104141	198683	408673	10341						
	29984						LINR	-0.10384	0.08054		0.99959	
46 Benzene	1.03797	1.03361	0.92950	0.99423	0.96151	0.99937						
	1.07527						AVRG		1.00450		4.90762	
44 2-2-4 trimethyl Pentane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
48 1,2-Dichloroethane	0.27610	0.28527	0.25795	0.26132	0.26707	0.26077						
	0.29616						AVRG		0.27209		5.28034	

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GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2008 21:51
End Cal Date : 08-JUN-2008 00:07
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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											
52 Methyl cyclohexane	0.45933	0.43123	0.39363	0.41863	0.40470	0.46647						
	0.45909						AVRG		0.43330		6.69822	
50 Trichloroethene	0.27315	0.27118	0.25917	0.26814	0.26407	0.25596						
	0.27691						AVRG		0.26694		2.84699	
51 N-Butyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
58 Dibromomethane	0.09398	0.09295	0.07823	0.08591	0.08667	0.08468						
	0.09043						AVRG		0.08755		6.21218	<-
56 2,3-Dichloro-1-propene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
54 1,2-Dichloropropane +	0.31208	0.30552	0.28903	0.30023	0.29361	0.27698						
	0.31786						AVRG		0.29933		4.69172	
57 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2008 21:51
End Cal Date : 08-JUN-2008 00:07
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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											
61 Bromodichloromethane	0.29214	0.31569	0.29554	0.30526	0.29679	0.26152						
	0.30935						AVRG		0.29661		5.92591	
59 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
63 1-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
64 1-Bromo-2-chloroethane	0.39960	0.41407	0.37558	0.39743	0.33919	0.36197						
	0.41711						AVRG		0.38642		7.43120	
62 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
65 cis-1,3-Dichloropropene	0.33506	0.35893	0.33558	0.37340	0.36692	+++++						
	0.35189						AVRG		0.35363		4.50590	
53 1,3 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2008 21:51
End Cal Date : 08-JUN-2008 00:07
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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											
68 Toluene +	2.75806	2.61703	2.51837	2.63808	2.62499	3.34341						
	2.66601						AVRG		2.73799		10.08787	
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	0.24550	0.22686	0.20548	0.21401	0.20420	0.20855						
	0.22711						AVRG		0.21881		6.89479	
78 Tetrachloroethene	0.42499	0.42744	0.41372	0.44624	0.45915	0.47352						
	0.43377						AVRG		0.43983		4.77064	
73 Ethyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
74 2-Nitroprpoane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

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Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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											
71 trans-1,3-Dichloropropene	0.53350	0.59602	0.59162	0.67510	0.71602	+++++						
	0.53809						AVRG		0.60839		12.08274	
60 1,4 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
76 1,1,2-Trichloroethane	0.38203	0.41366	0.39521	0.42659	0.43506	0.34531						
	0.41360						AVRG		0.40163		7.62393	
81 Dibromochloromethane	0.43722	0.49514	0.47870	0.52384	0.54132	0.37042						
	0.47054						AVRG		0.47388		12.05409	
72 2-Methoxyethanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
79 1,3-Dichloropropane	0.69803	0.75775	0.70913	0.76203	0.76413	0.66513						
	0.72354						AVRG		0.72568		5.19822	
83 1,2-Dibromoethane(EDB)	0.33614	0.36193	0.32668	0.35638	0.36610	0.31902						
	0.35331						AVRG		0.34565		5.30424	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2008 21:51
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Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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											
80 2-Hexanone	0.45462	0.38789	0.33661	0.36700	0.38171	0.44125						
	0.38568						AVRG		0.39354		10.47002	
69 1,2 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
70 Methyl disulfide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
84 1-Chlorohexane	0.46526	0.46223	0.46263	0.45027	0.41752	0.51272						
	0.47958						AVRG		0.46432		6.19917	
88 Phenyl Isopropanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
86 Chlorobenzene ++	1.63684	1.68254	1.58213	1.67205	1.67175	1.63102						
	1.66853						AVRG		1.64927		2.14343	
87 Ethylbenzene +	0.93092	0.92468	0.88356	0.93776	0.91752	0.92423						
	0.92609						AVRG		0.92068		1.90315	

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GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2008 21:51
End Cal Date : 08-JUN-2008 00:07
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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											
89 1,1,1,2-Tetrachloroethane	0.45412	0.48417	0.44660	0.48111	0.50758	0.41294						
	0.46375						AVRG		0.46432		6.58279	
M 75 Total 1,2-Dichloroethene	0.37247	0.36620	0.34957	0.36877	0.36068	0.34320						
	0.37874						AVRG		0.36280		3.48422	
90 p,m-Xylene	1.14574	1.14276	1.08073	1.13280	1.10136	1.17648						
	1.14193						AVRG		1.13169		2.78260	
M 77 1-3 Dichloropropene-Total	0.28654	0.31110	0.29599	0.32987	0.33113	+++++						
	0.29781						AVRG		0.30874		6.02082	
91 o-Xylene	1.07656	1.12757	1.06697	1.11669	1.12702	1.07783						
	1.09693						AVRG		1.09851		2.31924	
92 Styrene	1.80655	1.79502	1.70449	1.82382	1.84861	1.70566						
	1.68425						AVRG		1.76691		3.77939	
82 Mesityloxide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2008 21:51
End Cal Date : 08-JUN-2008 00:07
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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										
95 Bromoform ++	0.19088	0.22667	0.23288	0.25555	0.26581	+++++					
	0.21283						AVRG		0.23077		11.90921
96 Isopropylbenzene	2.83817	2.85160	2.69906	2.83757	2.81800	2.87276					
	2.79853						AVRG		2.81653		2.02031
102 Bromobenzene	1.84899	1.77408	1.63493	1.73110	1.68582	1.98110					
	1.81210						AVRG		1.78116		6.42425
103 n-Propylbenzene	5.25229	5.14444	4.73473	5.06279	4.92538	5.76004					
	5.32939						AVRG		5.17272		6.32232
101 1,1,2,2-Tetrachloroethane++	0.70849	0.72477	0.68918	0.73963	0.72210	0.72743					
	0.74353						AVRG		0.72216		2.57233
105 2-Chlorotoluene	3.26419	3.22323	2.97257	3.15994	3.07567	3.50277					
	3.36170						AVRG		3.22287		5.48659
107 1,3,5-Trimethylbenzene	3.52414	3.49468	3.19689	3.38175	3.29443	3.58701					
	3.60437						AVRG		3.44047		4.47749

GCAL, Inc.

INITIAL CALIBRATION DATA

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Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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	
104 1,2,3-Trichloropropane	0.71338	0.75671	0.69664	0.78479	0.79398	0.60136						
	0.77127						AVRG		0.73116		9.24898	
106 trans-1,4-Dichloro-2-Butene	2492	14936	35894	91965	234766	457						
	6086						QUAD	0.06214	8.68407	-4.01975	0.99775	<-
108 4-Chlorotoluene	2.97024	2.82045	2.56632	2.75383	2.70191	3.17662						
	2.85752						AVRG		2.83527		6.93846	
109 tert-butylbenzene	2.00604	1.94163	1.76687	1.89419	1.82974	2.15479						
	1.98642						AVRG		1.93996		6.55025	
110 1,2,4-Trimethylbenzene	3.50254	3.42839	3.16296	3.34958	3.28118	3.62715						
	3.57143						AVRG		3.41760		4.82253	
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 : 07-JUN-2008 21:51
End Cal Date : 08-JUN-2008 00:07
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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	4.80759	4.66102	4.27017	4.53165	4.38144	5.44690						
	4.81385						AVRG		4.70180		8.23022	
111 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
113 p-Isopropyltoluene	3.92244	3.82180	3.45091	3.68114	3.61138	4.17647						
	3.94170						AVRG		3.80083		6.34392	
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	1.58687	1.60177	1.50176	1.55993	1.54729	1.66053						
	1.61878						AVRG		1.58242		3.26986	
159 1,3-Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

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GCAL, Inc.

INITIAL CALIBRATION DATA

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End Cal Date : 08-JUN-2008 00:07
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Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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	1.67018	1.67853	1.52363	1.58856	1.58597	1.74220						
	1.71696						AVRG		1.64372		4.82712	
97 1-5 Cyclooctadiene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
99 Methyl isobutenyl ketone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
100 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
119 n-Butylbenzene	3.41513	3.41841	3.12794	3.45091	3.41940	3.69793						
	3.47190						AVRG		3.42880		4.84639	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2008 21:51
End Cal Date : 08-JUN-2008 00:07
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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	1.39498	1.42651	1.32425	1.41128	1.39420	1.41921						
	1.41529						AVRG		1.39796		2.47808	
M 162 Total Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
121 1,2-Dibromo-3-Chloropropane	1550	11952	28936	60929	133255	+++++						
	5453						LINR	0.07485	0.09250		0.99865	<-
122 Benzal chloride	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
124 Hexachlorobutadiene	0.55371	0.58663	0.53316	0.58775	0.61419	0.61107						
	0.60874						AVRG		0.58504		5.30111	
123 1,2,4-Trichlorobenzene	0.66225	0.75307	0.67030	0.79110	0.84892	0.57769						
	0.77177						AVRG		0.72501		12.75724	
125 Napthalene	31393	161455	394169	980784	2285052	6882						
	75368						QUAD	0.05279	0.79559	-0.02687	0.99776	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2008 21:51
End Cal Date : 08-JUN-2008 00:07
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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	0.63067	0.69977	0.61182	0.72819	0.77882	0.52911						
	0.70155						AVRG		0.66856		12.49598	
M 127 TOTAL XYLENE	1.12268	1.13769	1.07614	1.12743	1.10991	1.14360						
	1.12693						AVRG		1.12063		1.99639	
M 128 Total-1,2 Dibromoethylene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
163 Heptane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
$ 41 Dibromofluoromethane	0.25100	0.25629	0.24336	0.25240	0.24484	0.23089						
	0.26134						AVRG		0.24859		4.01211	
$ 47 1,2-Dichloroethane-d4	0.12009	0.12000	0.10562	0.10455	0.09806	0.11144						
	0.12432						AVRG		0.11201		8.71762	
$ 67 Toluene-d8	2.07869	2.12253	2.12835	2.24253	2.26472	2.07854						
	2.12841						AVRG		2.14911		3.48194	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2008 21:51
End Cal Date : 08-JUN-2008 00:07
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 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	0.53905	0.54739	0.55261	0.54906	0.57490	0.50594					
	0.53689						AVRG		0.54369		3.82042

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2008 21:51
End Cal Date : 08-JUN-2008 00:07
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Cal Date : 12-Jun-2008 16:30 rjo

Average %RSD Results.
Calculated Average %RSD = 6.50159
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/msv0.i/2080607p.b/x8798.d
Lab Smp Id: 1000 Client Smp ID: V0BFB
Inj Date : 07-JUN-2008 20:42
Operator : JCK Inst ID: msv0.i
Smp Info : 1000*V0BFB
Misc Info : MSV~13439~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080607p.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		
10.250	10.335 (0.000)	95	251029			100.00- 100.00	100.00
10.250	10.335 (0.000)	50	56168			15.00- 40.00	22.38
10.250	10.335 (0.000)	75	114362			30.00- 60.00	45.56
10.250	10.335 (0.000)	96	16471			5.00- 9.00	6.56
10.250	10.335 (0.000)	173	0			0.00- 2.00	0.00
10.250	10.335 (0.000)	174	172053			50.00- 120.00	68.54
10.250	10.335 (0.000)	175	12064			5.00- 9.00	7.01
10.250	10.335 (0.000)	176	166592			95.00- 101.00	96.83
10.250	10.335 (0.000)	177	10487			5.00- 9.00	6.30

170245

Data File: /var/chem/msv0.i/2080607p.b/x8798.d

Date : 07-JUN-2008 20:42

Client ID: V0BFB

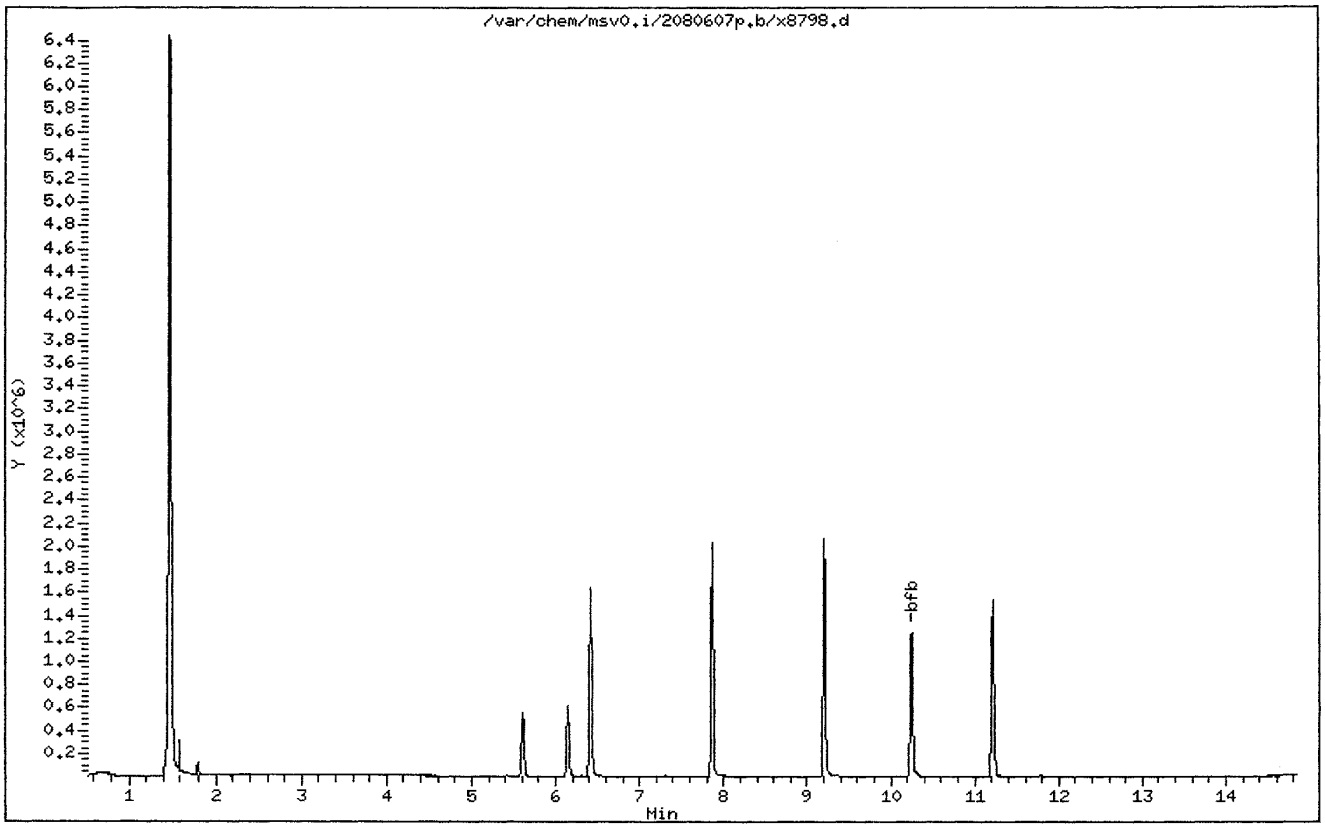
Instrument: msv0.i

Sample Info: 1000*V0BFB

Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv0.i/2080607p.b/x8798.d

Date : 07-JUN-2008 20:42

Client ID: V0BFB

Instrument: msv0.i

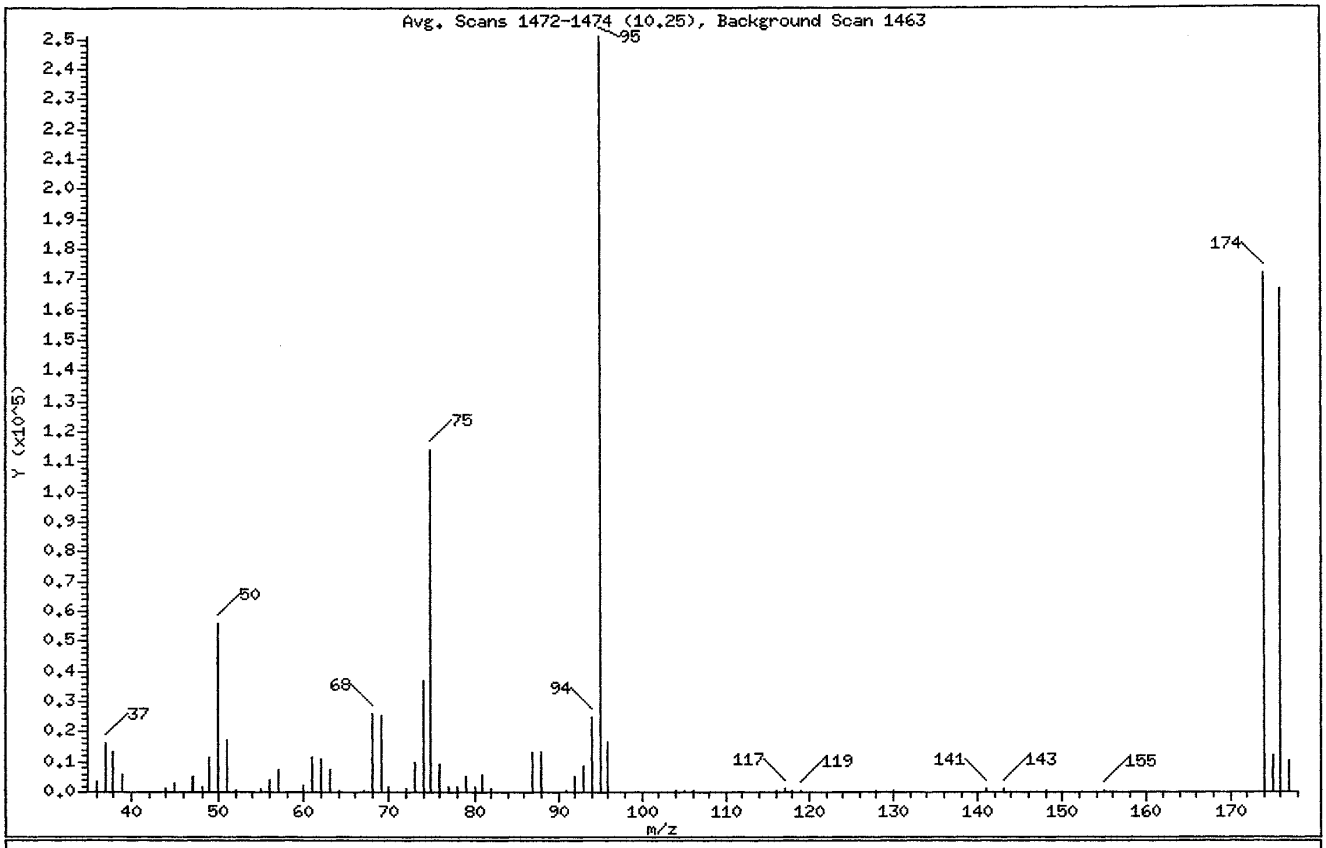
Sample Info: 1000xV0BFB

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	22.38
75	30.00 - 60.00% of mass 95	45.56
96	5.00 - 9.00% of mass 95	6.56
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	68.54
175	5.00 - 9.00% of mass 174	4.81 (7.01)
176	95.00 - 101.00% of mass 174	66.36 (96.83)
177	5.00 - 9.00% of mass 176	4.18 (6.30)

170247

Data File: /var/chem/msv0.i/2080607p.b/x8798.d

Date : 07-JUN-2008 20:42

Client ID: V0BFB

Instrument: msv0.i

Sample Info: 1000*V0BFB

Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53

Data File: x8798.d
Spectrum: Avg. Scans 1472-1474 (10.25), Background Scan 1463
Location of Maximum: 95.00
Number of points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3391	60.00	2487	79.00	5337	118.00	687
37.00	16400	61.00	11391	80.00	1565	119.00	839
38.00	12991	62.00	10761	81.00	5940	128.00	711
39.00	5955	63.00	7732	82.00	1015	129.00	286
40.00	7	64.00	724	87.00	13275	130.00	578
43.00	281	65.00	143	88.00	13249	141.00	1441
44.00	959	67.00	449	91.00	689	143.00	1330
45.00	2697	68.00	26128	92.00	5188	148.00	438
47.00	5378	69.00	25128	93.00	8861	155.00	300
48.00	1833	70.00	1569	94.00	24608	174.00	172032
49.00	11673	72.00	1279	95.00	251008	175.00	12064
50.00	56168	73.00	9904	96.00	16464	176.00	166592
51.00	17384	74.00	36840	104.00	677	177.00	10487
52.00	861	75.00	114360	105.00	498		
55.00	890	76.00	9207	106.00	383		
56.00	4174	77.00	1909	116.00	571		
57.00	7272	78.00	1550	117.00	1215		

170248

GCAL, Inc.

Data file : /var/chem/msv0.i/2080607p.b/x8800.d
Lab Smp Id: 1206 Client Smp ID: V0STD002
Inj Date : 07-JUN-2008 21:51
Operator : JCK Inst ID: msv0.i
Smp Info : 1206*V0STD002*6-23-8
Misc Info : MSV~13439~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Meth Date : 08-Jun-2008 23:13 root Quant Type: ISTD
Cal Date : 07-JUN-2008 21:51 Cal File: x8800.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)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.601	1.601	(0.250)	10955	2.00000	2.02	0(M1)
2 Chloromethane ++	50	1.779	1.779	(0.278)	34058	2.00000	2.81	3219
4 Vinyl Chloride +	62	1.832	1.832	(0.286)	14423	2.00000	2.03	6202
5 Bromomethane	94	2.116	2.116	(0.330)	6196	2.00000	1.99	4806
6 Chloroethane	64	2.228	2.228	(0.348)	13664	2.00000	4.10	6181
7 Trichlorofluoromethane	101	2.360	2.360	(0.368)	13936	2.00000	2.18	7238
11 1,1-Dichloroethene +	96	2.835	2.835	(0.443)	10255	2.00000	2.00	7202
14 Carbon Disulfide	76	2.862	2.862	(0.447)	41927	2.00000	2.12	7587
9 1,1,2Trichlotrifluoroethane	101	2.888	2.888	(0.451)	10485	2.00000	1.98	8379
13 Methyl Iodide	142	2.987	2.987	(0.466)	5444	2.00000	1.86	3513
10 Acrolein	56	3.212	3.212	(0.501)	6203	10.0000	12.0	4202
18 Methylene Chloride	49	3.476	3.476	(0.542)	26320	2.00000	2.64	0(M1)
21 trans-1,2-Dichloroethene	61	3.667	3.667	(0.572)	16505	2.00000	1.81	8298

170249

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	16 Methyl Acetate	43	3.700	3.700	(0.578)	52480	2.00000	9.55	7524
	23 Hexane	57	3.760	3.760	(0.587)	28962	2.00000	2.31	8691
	20 MTBE	73	3.813	3.813	(0.595)	17352	2.00000	1.77	7217
	26 1,1-Dichloroethane ++	63	4.460	4.460	(0.696)	21099	2.00000	1.85	7327
	22 Acrylonitrile	53	4.539	4.539	(0.708)	12110	10.0000	8.59	7151
	27 Vinyl Acetate	43	4.809	4.809	(0.751)	14533	2.00000	1.73	
	30 cis-1,2-Dichloroethene	61	5.093	5.093	(0.795)	18222	2.00000	1.97	8468
	29 2,2-Dichloropropane	77	5.199	5.199	(0.811)	8528	2.00000	1.56	6616
	39 Cyclohexane	56	5.278	5.278	(0.824)	26215	2.00000	2.07	7026
	34 Bromochloromethane	128	5.311	5.311	(0.829)	3459	2.00000	1.50	8191
	38 Chloroform +	83	5.404	5.404	(0.843)	32154	2.00000	2.85	8675
	42 Carbon Tetrachloride	117	5.509	5.509	(0.860)	6308	2.00000	1.56	0(M1)
$	41 Dibromofluoromethane	111	5.595	5.595	(0.873)	292041	50.0000	46.4	5470
	40 1,1,1-Trichloroethane	97	5.602	5.602	(0.874)	13404	2.00000	1.78	5255
	43 1,1-Dichloropropene	75	5.727	5.727	(0.894)	17381	2.00000	2.00	8337
	46 Benzene	78	5.991	5.991	(0.935)	50561	2.00000	1.99	8546
$	47 1,2-Dichloroethane-d4	67	6.130	6.130	(0.957)	140952	50.0000	49.7	9441
	48 1,2-Dichloroethane	62	6.202	6.202	(0.968)	13193	2.00000	1.92	7191
*	49 FLUOROBENZENE	96	6.407	6.407	(1.000)	1264823	50.0000		9626
	52 Methyl cyclohexane	83	6.539	6.539	(1.021)	23600	2.00000	2.15	6764
	50 Trichloroethene	130	6.559	6.559	(1.024)	12950	2.00000	1.92	9234
	58 Dibromomethane	93	6.962	6.962	(1.087)	4284	2.00000	1.93	7170
	54 1,2-Dichloropropane +	63	7.054	7.054	(1.101)	14013	2.00000	1.85	8910
	61 Bromodichloromethane	83	7.114	7.114	(1.110)	13231	2.00000	1.76	7689
	64 1-Bromo-2-chloroethane	63	7.549	7.549	(1.178)	18313	2.00000	1.87	7656
	65 cis-1,3-Dichloropropene	75	7.701	7.701	(1.202)	12922	2.00000	1.44	
$	67 Toluene-d8	98	7.860	7.860	(0.854)	1104854	50.0000	48.4	9491
	68 Toluene +	91	7.906	7.906	(0.859)	71088	2.00000	2.44	9174
	66 4-methyl-2-pentanone	43	8.256	8.256	(1.289)	10551	2.00000	1.91	(M1)
	78 Tetrachloroethene	164	8.229	8.229	(0.894)	10068	2.00000	2.15	5185
	71 trans-1,3-Dichloropropene	75	8.275	8.275	(0.900)	8384	2.00000	1.30	
	76 1,1,2-Trichloroethane	97	8.414	8.414	(0.915)	7342	2.00000	1.72	8955
	81 Dibromochloromethane	129	8.559	8.559	(0.930)	7876	2.00000	1.56	8052
	79 1,3-Dichloropropane	76	8.652	8.652	(0.940)	14142	2.00000	1.83	8225
	83 1,2-Dibromoethane(EDB)	107	8.771	8.771	(0.953)	6783	2.00000	1.85	6912
	80 2-Hexanone	43	8.969	8.969	(0.975)	9382	2.00000	2.24	6589
	84 1-Chlorohexane	91	9.193	9.193	(1.435)	25940	2.00000	2.21	2682(H)
*	85 Chlorobenzene-d5	82	9.200	9.200	(1.000)	531553	50.0000		2801
	86 Chlorobenzene ++	112	9.220	9.220	(1.002)	34679	2.00000	1.98	2887
	87 Ethylbenzene +	106	9.239	9.239	(1.004)	19651	2.00000	2.01	8841
	89 1,1,1,2-Tetrachloroethane	133	9.279	9.279	(1.009)	8780	2.00000	1.78	7569
M	75 Total 1,2-Dichloroethene	61				34727	4.00000	3.78	0
	90 p,m-Xylene	106	9.365	9.365	(1.018)	50029	4.00000	4.16	9414
M	77 1-3 Dichloropropene-Total	100				21306	4.00000	2.74	0
	91 o-Xylene	106	9.735	9.735	(1.058)	22917	2.00000	1.96	
	92 Styrene	104	9.781	9.781	(1.063)	36266	2.00000	1.93	9151
	95 Bromoform ++	173	9.801	9.801	(1.065)	2752	2.00000	1.12	0(M1)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
96	Isopropylbenzene	105	9.999	9.999	(1.087)	61081	2.00000	2.04	9458
$ 98	Bromofluorobenzene	174	10.243	10.243	(1.113)	268936	50.0000	46.5	9483
102	Bromobenzene	77	10.335	10.335	(0.922)	26951	2.00000	2.22	8574
103	n-Propylbenzene	91	10.355	10.355	(0.924)	78360	2.00000	2.23	8551
101	1,1,2,2-Tetrachloroethane++	83	10.415	10.415	(0.929)	9896	2.00000	2.01	0(M1)
105	2-Chlorotoluene	91	10.487	10.487	(0.936)	47652	2.00000	2.17	8851
107	1,3,5-Trimethylbenzene	105	10.514	10.514	(0.938)	48798	2.00000	2.09	
104	1,2,3-Trichloropropane	75	10.533	10.533	(0.940)	8181	2.00000	1.64	0(M1)
106	trans-1,4-Dichloro-2-Butene	53	10.573	10.573	(0.943)	457	2.00000	3.69	3462(M3)
108	4-Chlorotoluene	91	10.632	10.632	(0.949)	43215	2.00000	2.24	8985(H)
109	tert-butylbenzene	91	10.791	10.791	(0.963)	29314	2.00000	2.22	9211
110	1,2,4-Trimethylbenzene	105	10.850	10.850	(0.968)	49344	2.00000	2.12	
112	sec-Butylbenzene	105	10.943	10.943	(0.976)	74100	2.00000	2.32	
113	p-Isopropyltoluene	119	11.062	11.062	(0.987)	56817	2.00000	2.20	9448
114	1,3-Dichlorobenzene	146	11.141	11.141	(0.994)	22590	2.00000	2.10	
* 115	1,4-DICHLOROBENZENE-D4	152	11.207	11.207	(1.000)	340102	50.0000		4435
117	1,4-Dichlorobenzene	146	11.220	11.220	(1.001)	23701	2.00000	2.12	
119	n-Butylbenzene	91	11.444	11.444	(1.021)	50307	2.00000	2.16	9444
120	1,2-Dichlorobenzene	146	11.616	11.616	(1.037)	19307	2.00000	2.03	
124	Hexachlorobutadiene	225	13.240	13.240	(1.181)	8313	2.00000	2.09	8401
123	1,2,4-Trichlorobenzene	180	13.286	13.286	(1.186)	7859	2.00000	1.59	
125	Napthalene	128	13.676	13.676	(1.220)	6882	2.00000	3.44	6617
126	1,2,3-Trichlorobenzene	180	13.861	13.861	(1.237)	7198	2.00000	1.58	
M 127	TOTAL XYLENE	106				72946	6.00000	6.12	0

QC Flag Legend

M1- Compound response manually integrated because Target system did not integrate.
M3- Compound response manually integrated because Target system integrated incorrect peak.
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv0.i/2080607p.b/x8800.d

Page 1

Date : 07-JUN-2008 21:51

Client ID: VOSTD002

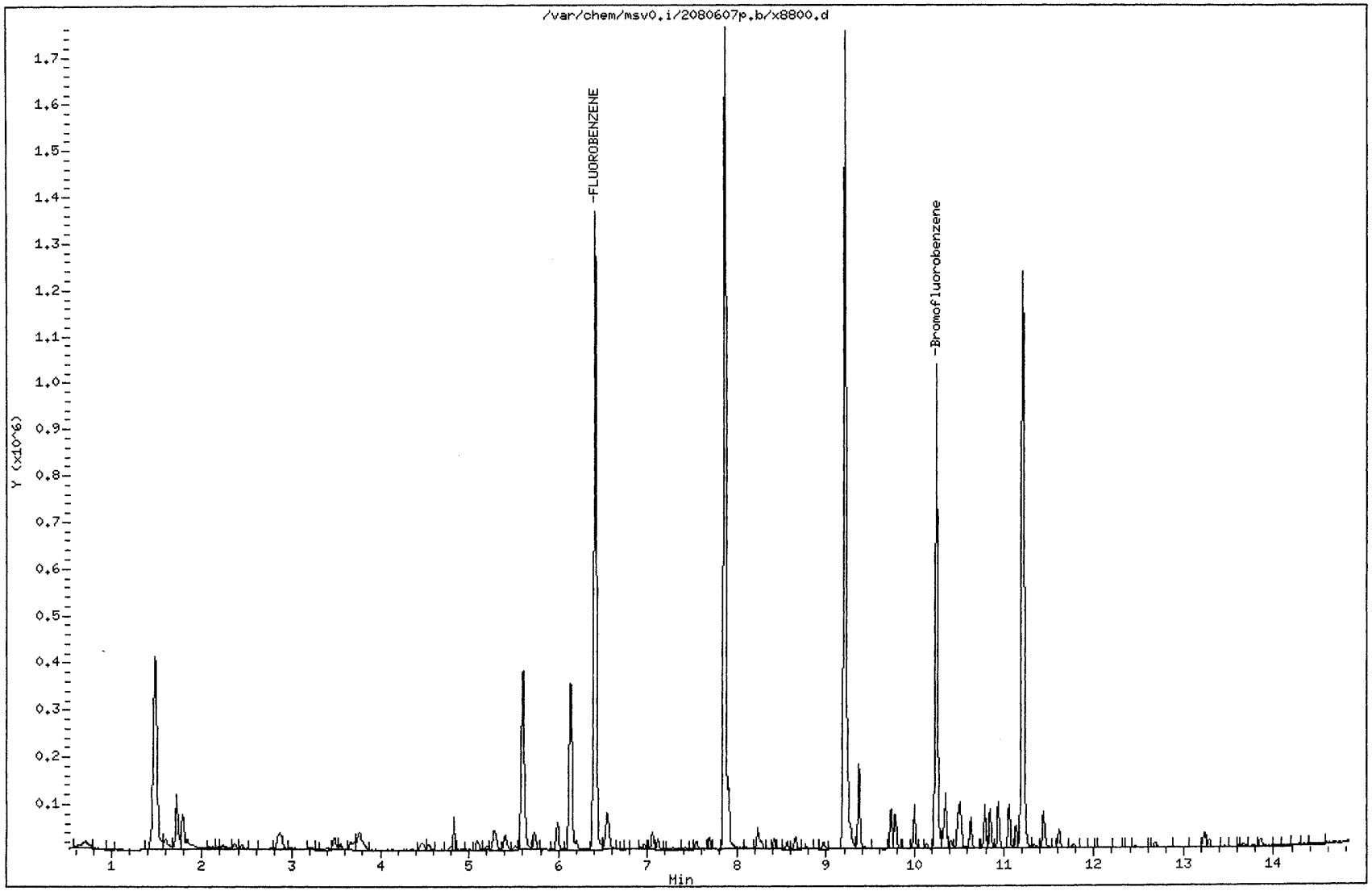
Instrument: msv0.i

Sample Info: 1206*VOSTD002*6-23-8

Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53



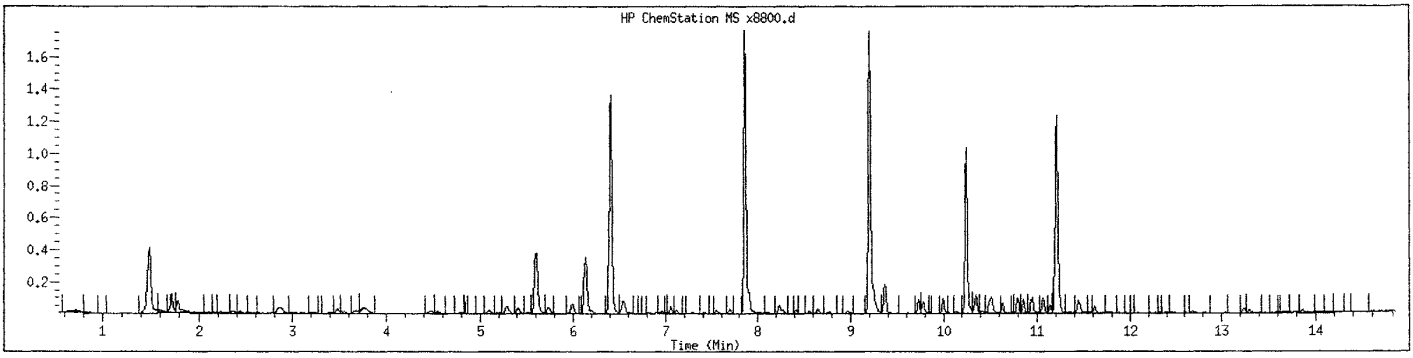
170252

Data file : /var/chem/msv0.i/2080607p.b/x8800.d
Report Date: 06/08/2008 23:13

MANUAL INTEGRATION GRAPHIC REPORT

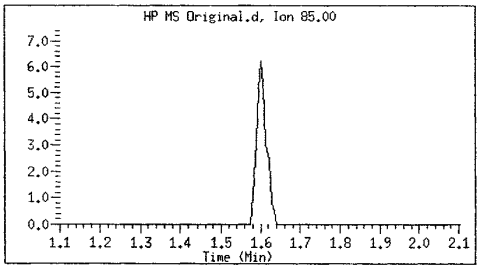
Lab ID : 1206
Injection Date: 06/07/2008 21:51
Operator : JCK
Sample Info : 1206*V0STD002*6-23-8
Misc Info : MSV~13439~*1*JCK
Method : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE

SampleType : CALIB_6
Instrument : msv0.i
Compound Sublist: 8260b



Original Final

1 Dichlorodifluoromethane CAS#: 75-71-8 Reason: M1



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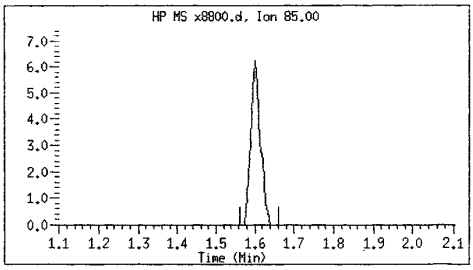
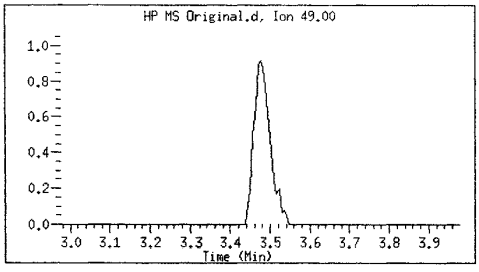
Date: 06/07/2008 23:15



18 Methylene Chloride CAS#: 75-09-2 Reason: M1



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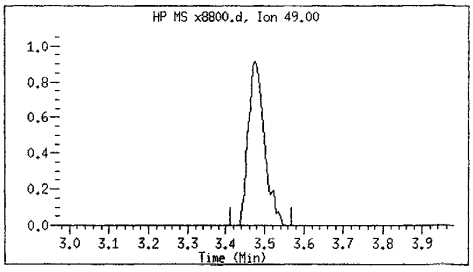
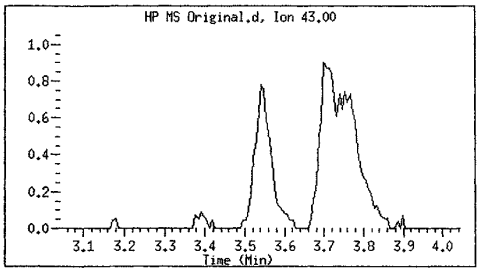


170253

Original Final

12 Acetone CAS#: 67-64-1 Reason: M1



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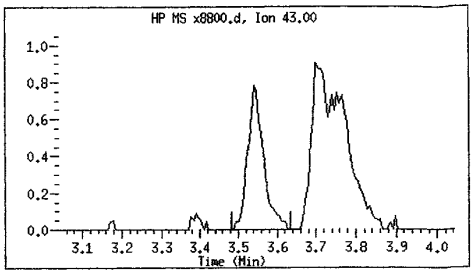
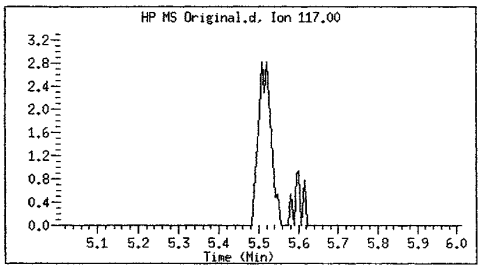
Date: 06/07/2008 23:15



42 Carbon Tetrachloride CAS#: 56-23-5 Reason: M1



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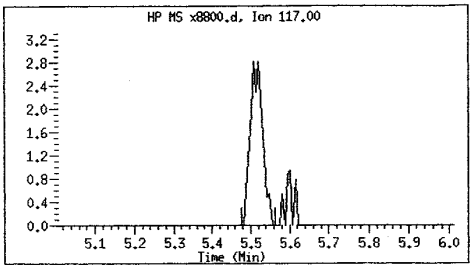
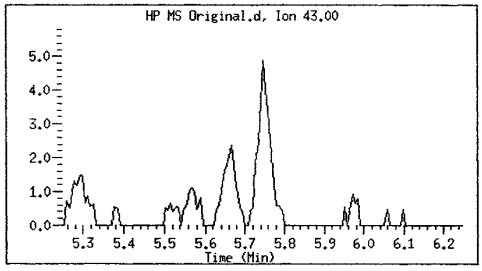
Date: 06/07/2008 23:15



31 2-Butanone CAS#: 78-93-3 Reason: M1



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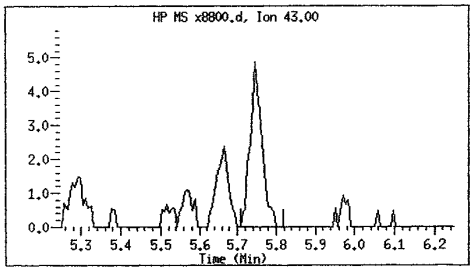
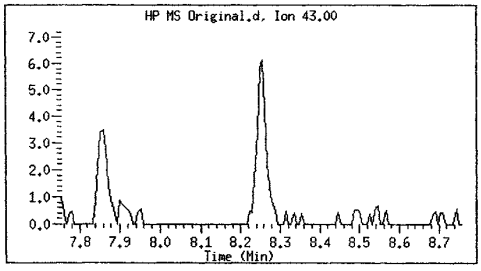


66 4-methyl-2-pentanone CAS#: 108-10-1 Reason: M1



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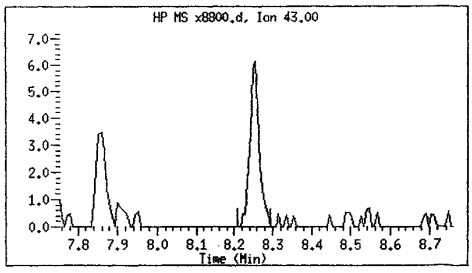
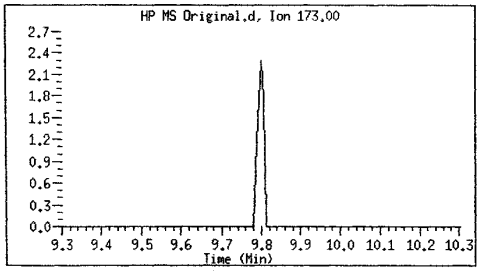


95 Bromoform ++ CAS#: 75-25-2 Reason: M1



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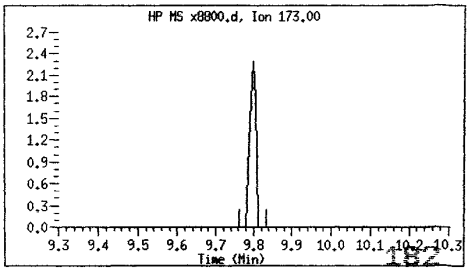
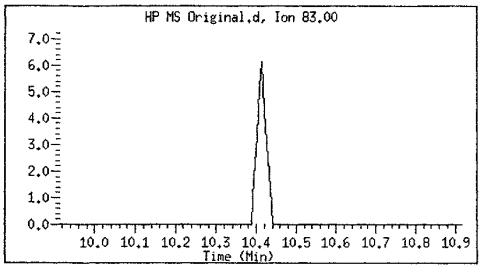


Original Final

101 1,1,2,2-Tetrachloroethane++ CAS#: 79-34-5 Reason: M1



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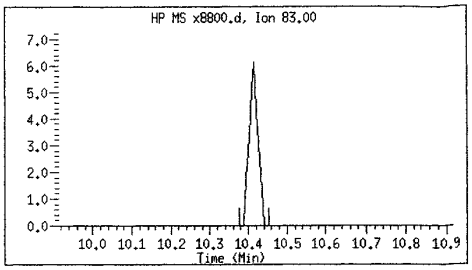
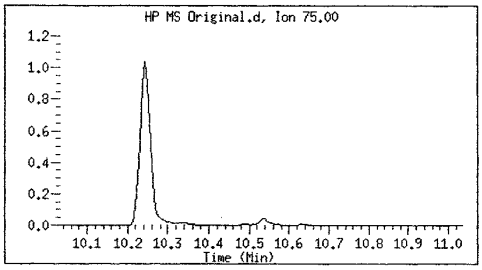


104 1,2,3-Trichloropropane CAS#: 96-18-4 Reason: M1



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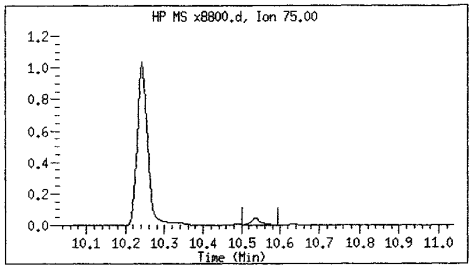
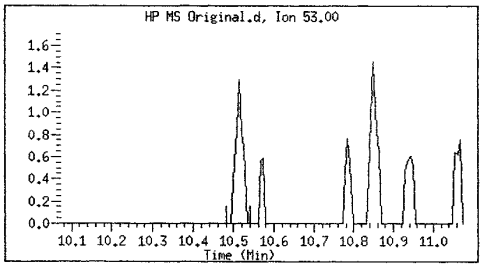


106 trans-1,4-Dichloro-2-Butene CAS#: 110-57-6 Reason: M3



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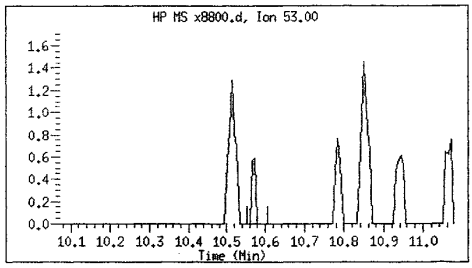


M1 - Target system did not integrate
M3 - Target system integrated incorrect peak

GCAL, Inc.

Data file : /var/chem/msv0.i/2080607p.b/x8801.d
Lab Smp Id: 1201 Client Smp ID: V0STD005
Inj Date : 07-JUN-2008 22:13
Operator : JCK Inst ID: msv0.i
Smp Info : 1201*V0STD005*6-23-8
Misc Info : MSV~13439~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Meth Date : 08-Jun-2008 23:13 root Quant Type: ISTD
Cal Date : 07-JUN-2008 22:13 Cal File: x8801.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)	ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.601	1.601	(0.250)	25807	5.00000	5.15	6626
2 Chloromethane ++	50	1.773	1.773	(0.277)	62148	5.00000	5.54	6630
4 Vinyl Chloride +	62	1.839	1.839	(0.287)	33823	5.00000	5.15	8480
5 Bromomethane	94	2.116	2.116	(0.330)	20193	5.00000	8.87	6961
6 Chloroethane	64	2.229	2.229	(0.348)	16717	5.00000	5.42	6388
7 Trichlorofluoromethane	101	2.354	2.354	(0.367)	28303	5.00000	4.78	7243
11 1,1-Dichloroethene +	96	2.836	2.836	(0.443)	23860	5.00000	5.03	7413
14 Carbon Disulfide	76	2.862	2.862	(0.447)	92673	5.00000	5.07	8532
9 1,1,2Trichlotrifluoroethane	101	2.882	2.882	(0.450)	25864	5.00000	5.27	8514
13 Methyl Iodide	142	2.981	2.981	(0.465)	14487	5.00000	5.35	5788
10 Acrolein	56	3.212	3.212	(0.501)	12949	25.0000	27.0	5894
18 Methylene Chloride	49	3.483	3.483	(0.544)	54335	5.00000	5.90	0(M1)
12 Acetone	43	3.562	3.562	(0.556)	30189	5.00000	3.73	8152

170256

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.668	3.668	(0.572)	42797	5.00000	5.08	8701
	16 Methyl Acetate	43	3.721	3.721	(0.581)	35536	5.00000	4.49	0(M1)
	23 Hexane	57	3.767	3.767	(0.588)	59884	5.00000	5.16	9026
	20 MTBE	73	3.820	3.820	(0.596)	50224	5.00000	5.54	8648
	26 1,1-Dichloroethane ++	63	4.473	4.473	(0.698)	52570	5.00000	4.99	9005
	22 Acrylonitrile	53	4.559	4.559	(0.712)	33192	25.0000	25.4	8794
	27 Vinyl Acetate	43	4.810	4.810	(0.751)	43215	5.00000	5.55	
	30 cis-1,2-Dichloroethene	61	5.100	5.100	(0.796)	44447	5.00000	5.19	8935
	29 2,2-Dichloropropane	77	5.213	5.213	(0.814)	26710	5.00000	5.29	8377
	39 Cyclohexane	56	5.285	5.285	(0.825)	61605	5.00000	5.25	7142
	34 Bromochloromethane	128	5.312	5.312	(0.829)	8934	5.00000	4.19	8863
	38 Chloroform +	83	5.411	5.411	(0.844)	61072	5.00000	5.85	8962
	42 Carbon Tetrachloride	117	5.530	5.530	(0.863)	19929	5.00000	5.32	8571
$	41 Dibromofluoromethane	111	5.602	5.602	(0.874)	293955	50.0000	50.5	6086
	40 1,1,1-Trichloroethane	97	5.602	5.602	(0.874)	34703	5.00000	4.98	5840
	43 1,1-Dichloropropene	75	5.734	5.734	(0.895)	40983	5.00000	5.08	8358
	31 2-Butanone	43	5.761	5.761	(0.899)	18814	5.00000	4.78	
	46 Benzene	78	5.992	5.992	(0.935)	121562	5.00000	5.17	8903
$	47 1,2-Dichloroethane-d4	67	6.137	6.137	(0.958)	140644	50.0000	53.6	9516
	48 1,2-Dichloroethane	62	6.203	6.203	(0.968)	32336	5.00000	5.07	8655
*	49 FLUOROBENZENE	96	6.408	6.408	(1.000)	1171150	50.0000		9610
	52 Methyl cyclohexane	83	6.540	6.540	(1.021)	53794	5.00000	5.30	6571
	50 Trichloroethene	130	6.566	6.566	(1.025)	31990	5.00000	5.12	9043
	58 Dibromomethane	93	6.969	6.969	(1.088)	11007	5.00000	5.37	8539
	54 1,2-Dichloropropane +	63	7.061	7.061	(1.102)	36549	5.00000	5.21	9416
	61 Bromodichloromethane	83	7.121	7.121	(1.111)	34214	5.00000	4.92	8952
	64 1-Bromo-2-chloroethane	63	7.556	7.556	(1.179)	46799	5.00000	5.17	8888
	65 cis-1,3-Dichloropropene	75	7.702	7.702	(1.202)	39240	5.00000	4.74	
$	67 Toluene-d8	98	7.860	7.860	(0.854)	1086169	50.0000	48.4	9551
	68 Toluene +	91	7.906	7.906	(0.859)	144116	5.00000	5.04	9156
	66 4-methyl-2-pentanone	43	8.256	8.256	(1.288)	28752	5.00000	5.61	
	78 Tetrachloroethene	164	8.230	8.230	(0.894)	22207	5.00000	4.83	5513
	71 trans-1,3-Dichloropropene	75	8.276	8.276	(0.900)	27877	5.00000	4.38	
	76 1,1,2-Trichloroethane	97	8.415	8.415	(0.915)	19962	5.00000	4.76	9126
	81 Dibromochloromethane	129	8.560	8.560	(0.930)	22846	5.00000	4.61	8890
	79 1,3-Dichloropropane	76	8.652	8.652	(0.940)	36474	5.00000	4.81	8780
	83 1,2-Dibromoethane(EDB)	107	8.771	8.771	(0.953)	17564	5.00000	4.86	8432
	80 2-Hexanone	43	8.969	8.969	(0.975)	23755	5.00000	5.78	7430
	84 1-Chlorohexane	91	9.200	9.200	(1.436)	54489	5.00000	5.01	3105(H)
*	85 Chlorobenzene-d5	82	9.200	9.200	(1.000)	522526	50.0000		3464
	86 Chlorobenzene ++	112	9.220	9.220	(1.002)	85529	5.00000	4.96	4308
	87 Ethylbenzene +	106	9.240	9.240	(1.004)	48643	5.00000	5.06	9338
	89 1,1,1,2-Tetrachloroethane	133	9.273	9.273	(1.008)	23729	5.00000	4.89	9045
M	75 Total 1,2-Dichloroethene	61				87244	10.0000	10.3	0
	90 p,m-Xylene	106	9.365	9.365	(1.018)	119736	10.0000	10.1	9415
M	77 1-3 Dichloropropene-Total	100				67117	10.0000	9.12	0
	91 o-Xylene	106	9.735	9.735	(1.058)	56253	5.00000	4.90	

170257

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
92	Styrene	104	9.781	9.781	(1.063)	94397	5.00000	5.11	9414
95	Bromoform ++	173	9.801	9.801	(1.065)	9974	5.00000	4.14	5716
96	Isopropylbenzene	105	9.999	9.999	(1.087)	148302	5.00000	5.04	9591
$ 98	Bromofluorobenzene	174	10.243	10.243	(1.113)	281667	50.0000	49.6	9555
102	Bromobenzene	77	10.336	10.336	(0.922)	66575	5.00000	5.19	8979
103	n-Propylbenzene	91	10.349	10.349	(0.923)	189115	5.00000	5.08	9153
101	1,1,2,2-Tetrachloroethane++	83	10.415	10.415	(0.929)	25510	5.00000	4.91	9110
105	2-Chlorotoluene	91	10.488	10.488	(0.936)	117531	5.00000	5.06	8940
107	1,3,5-Trimethylbenzene	105	10.514	10.514	(0.938)	126891	5.00000	5.12	
104	1,2,3-Trichloropropane	75	10.534	10.534	(0.940)	25686	5.00000	4.88	7941
106	trans-1,4-Dichloro-2-Butene	53	10.567	10.567	(0.943)	2492	5.00000	6.10	7248
108	4-Chlorotoluene	91	10.633	10.633	(0.949)	106947	5.00000	5.24	9576
109	tert-butylbenzene	91	10.791	10.791	(0.963)	72230	5.00000	5.17	9444
110	1,2,4-Trimethylbenzene	105	10.851	10.851	(0.968)	126113	5.00000	5.12	
112	sec-Butylbenzene	105	10.943	10.943	(0.976)	173103	5.00000	5.11	
113	p-Isopropyltoluene	119	11.062	11.062	(0.987)	141232	5.00000	5.16	9601
114	1,3-Dichlorobenzene	146	11.141	11.141	(0.994)	57137	5.00000	5.01	
* 115	1,4-DICHLOROBENZENE-D4	152	11.207	11.207	(1.000)	360062	50.0000		4806
117	1,4-Dichlorobenzene	146	11.220	11.220	(1.001)	60137	5.00000	5.08	
119	n-Butylbenzene	91	11.445	11.445	(1.021)	122966	5.00000	4.98	9537
120	1,2-Dichlorobenzene	146	11.617	11.617	(1.037)	50228	5.00000	4.99	
121	1,2-Dibromo-3-Chloropropane	157	12.455	12.455	(1.111)	1550	5.00000	6.07	0(M1)
124	Hexachlorobutadiene	225	13.241	13.241	(1.181)	19937	5.00000	4.73	9322
123	1,2,4-Trichlorobenzene	180	13.287	13.287	(1.186)	23845	5.00000	4.57	
125	Napthalene	128	13.670	13.670	(1.220)	31393	5.00000	6.10	9110
126	1,2,3-Trichlorobenzene	180	13.861	13.861	(1.237)	22708	5.00000	4.72	
M 127	TOTAL XYLENE	106				175989	15.0000	15.0	0

QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

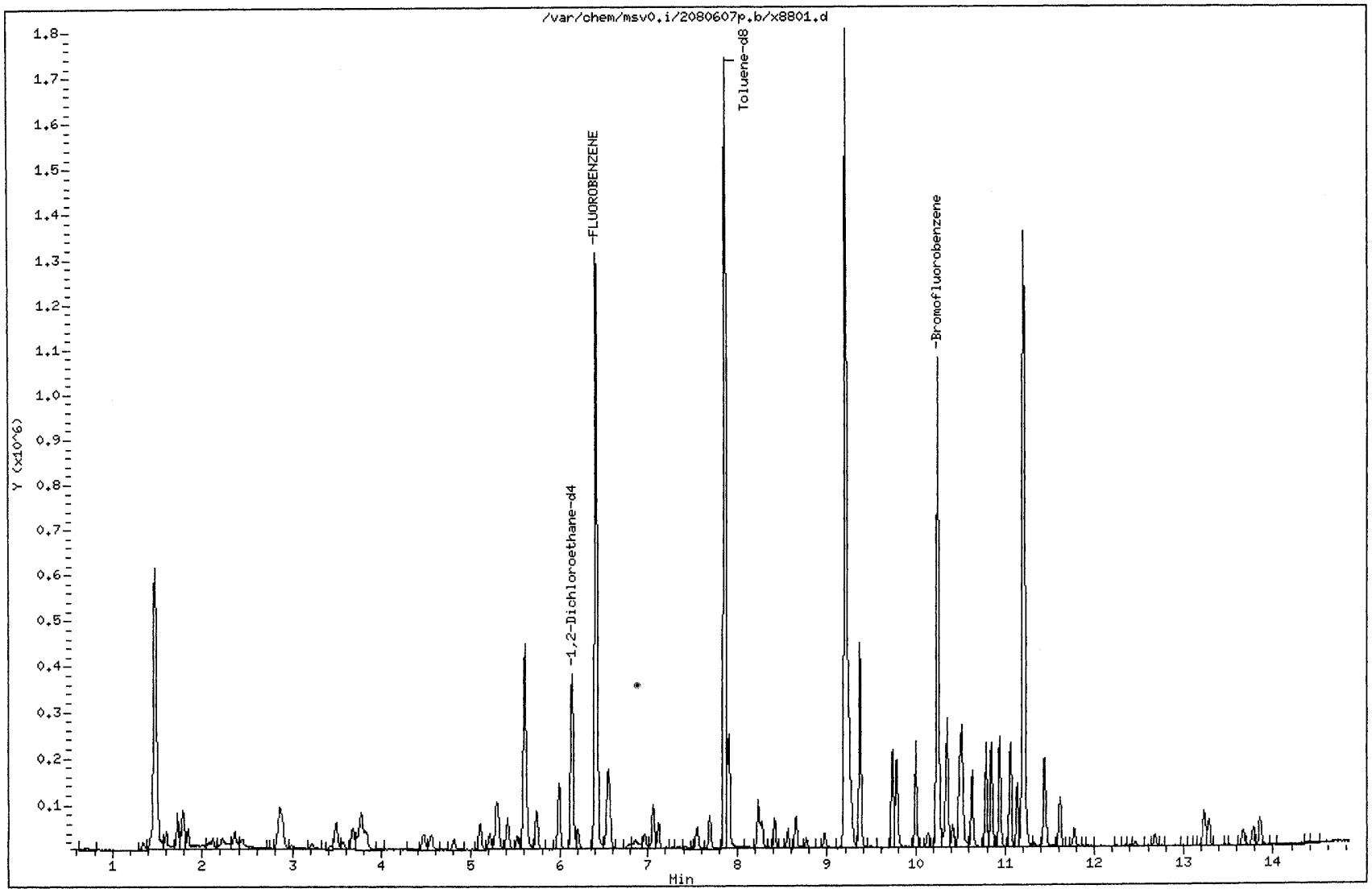
170258

Data File: /var/chem/msv0.i/2080607p.b/x8801.d
Date : 07-JUN-2008 22:13
Client ID: VOSTD005
Sample Info: 1201*VOSTD005*6-23-8

Column phase: DB-624-30M

Instrument: msv0.i

Operator: JCK
Column diameter: 0.53

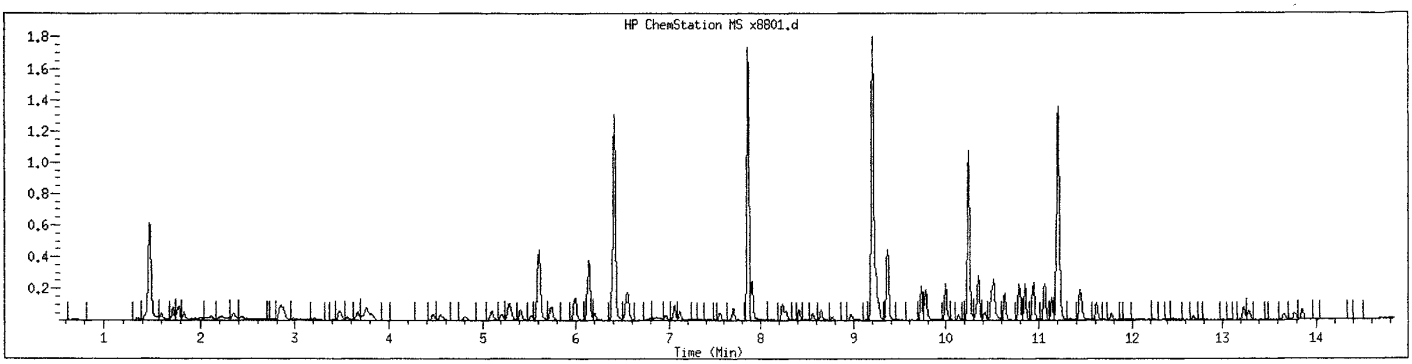


Data file : /var/chem/msv0.i/2080607p.b/x8801.d
Report Date: 06/08/2008 23:13

MANUAL INTEGRATION GRAPHIC REPORT

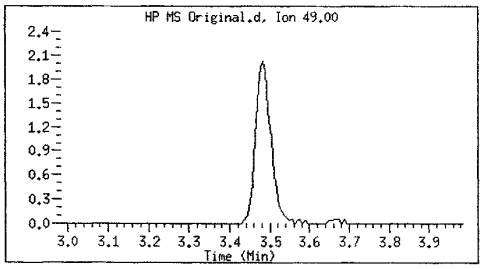
Lab ID : 1201
Injection Date: 06/07/2008 22:13
Operator : JCK
Sample Info : 1201*V0STD005*6-23-8
Misc Info : MSV~13439~*1*JCK
Method : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE

SampleType : CALIB_1
Instrument : msv0.i
Compound Sublist: 8260b



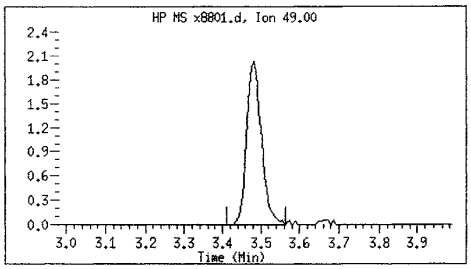
Original | Final

18 Methylene Chloride CAS#: 75-09-2 Reason: M1

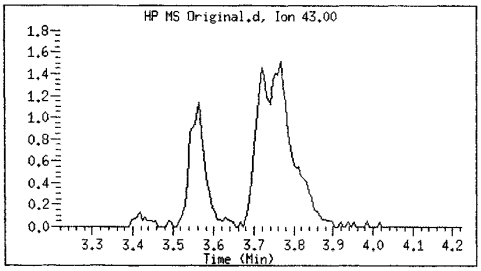


Electronic Signature Applied

User: root
Date: 06/07/2008 23:20

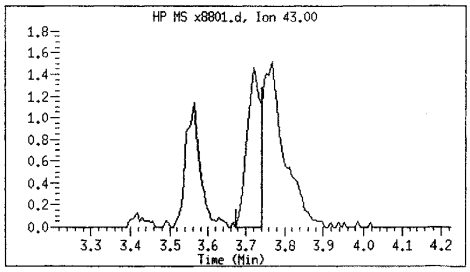


16 Methyl Acetate CAS#: 79-20-9 Reason: M1



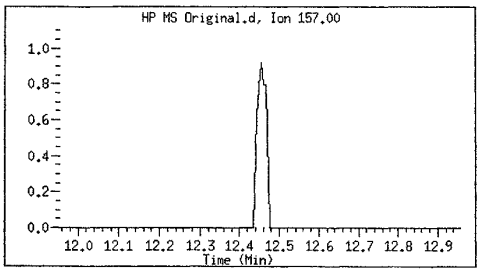
Electronic Signature Applied

User: root
Date: 06/07/2008 23:21



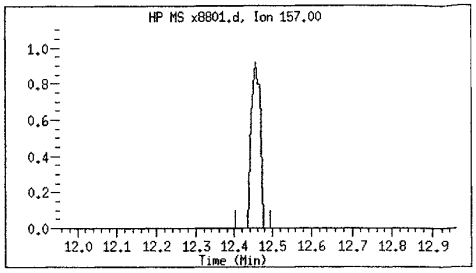
Original Final

121 1,2-Dibromo-3-Chloropropane CAS#: 96-12-8 Reason: M1



Electronic Signature Applied

User: root
Date: 06/07/2008 23:21



M1 - Target system did not integrate

GCAL, Inc.

Data file : /var/chem/msv0.i/2080607p.b/x8802.d
Lab Smp Id: 1207 Client Smp ID: V0STD010
Inj Date : 07-JUN-2008 22:36
Operator : JCK Inst ID: msv0.i
Smp Info : 1207*V0STD010*6-23-8
Misc Info : MSV~13439~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Meth Date : 08-Jun-2008 23:13 root Quant Type: ISTD
Cal Date : 07-JUN-2008 22:36 Cal File: x8802.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	1.601	1.601	(0.250)	52084	10.0000	10.6	8180
2	Chloromethane ++	50	1.780	1.780	(0.278)	109508	10.0000	9.98	6840
4	Vinyl Chloride +	62	1.839	1.839	(0.287)	66504	10.0000	10.4	8983
5	Bromomethane	94	2.116	2.116	(0.330)	24208	10.0000	11.0	7584
6	Chloroethane	64	2.222	2.222	(0.347)	30082	10.0000	9.97	7796
7	Trichlorofluoromethane	101	2.354	2.354	(0.367)	60955	10.0000	10.5	8143
11	1,1-Dichloroethene +	96	2.849	2.849	(0.445)	48840	10.0000	10.5	9147
14	Carbon Disulfide	76	2.862	2.862	(0.447)	188252	10.0000	10.5	8396
9	1,1,2Trichlotrifluoroethane	101	2.889	2.889	(0.451)	49439	10.0000	10.3	9202
13	Methyl Iodide	142	2.994	2.994	(0.467)	29027	10.0000	11.0	7194
10	Acrolein	56	3.219	3.219	(0.502)	24085	50.0000	51.3	7784
18	Methylene Chloride	49	3.483	3.483	(0.544)	97926	10.0000	10.9	8577
12	Acetone	43	3.562	3.562	(0.556)	41488	10.0000	10.8	8695

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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	3.674	3.674	(0.573)	86788	10.0000	10.5	8669
	16 Methyl Acetate	43	3.721	3.721	(0.581)	48885	10.0000	10.1	0(M1)
	23 Hexane	57	3.767	3.767	(0.588)	120930	10.0000	10.7	9134
	20 MTBE	73	3.820	3.820	(0.596)	95865	10.0000	10.8	8512
	26 1,1-Dichloroethane ++	63	4.467	4.467	(0.697)	106228	10.0000	10.3	9255
	22 Acrylonitrile	53	4.552	4.552	(0.710)	66500	50.0000	52.1	9301
	27 Vinyl Acetate	43	4.810	4.810	(0.751)	84335	10.0000	11.1	
	30 cis-1,2-Dichloroethene	61	5.094	5.094	(0.795)	86706	10.0000	10.4	9033
	29 2,2-Dichloropropane	77	5.213	5.213	(0.814)	50711	10.0000	10.3	8889
	39 Cyclohexane	56	5.285	5.285	(0.825)	120977	10.0000	10.5	7194
	34 Bromochloromethane	128	5.312	5.312	(0.829)	18436	10.0000	8.85	9170
	38 Chloroform +	83	5.411	5.411	(0.844)	108603	10.0000	10.6	9102
	42 Carbon Tetrachloride	117	5.523	5.523	(0.862)	40223	10.0000	11.0	9285
$	41 Dibromofluoromethane	111	5.602	5.602	(0.874)	299288	50.0000	52.6	6904
	40 1,1,1-Trichloroethane	97	5.609	5.609	(0.875)	70809	10.0000	10.4	6760
	43 1,1-Dichloropropene	75	5.734	5.734	(0.895)	83833	10.0000	10.6	8489
	31 2-Butanone	43	5.754	5.754	(0.898)	29984	10.0000	11.1	
	46 Benzene	78	5.992	5.992	(0.935)	246279	10.0000	10.7	9045
$	47 1,2-Dichloroethane-d4	67	6.137	6.137	(0.958)	142366	50.0000	55.5	9444
	48 1,2-Dichloroethane	62	6.203	6.203	(0.968)	67832	10.0000	10.9	9405
*	49 FLUOROBENZENE	96	6.408	6.408	(1.000)	1145191	50.0000		9590
	52 Methyl cyclohexane	83	6.540	6.540	(1.021)	105149	10.0000	10.6	6628
	50 Trichloroethene	130	6.566	6.566	(1.025)	63423	10.0000	10.4	9047
	58 Dibromomethane	93	6.962	6.962	(1.087)	20712	10.0000	10.3	9150
	54 1,2-Dichloropropane +	63	7.061	7.061	(1.102)	72801	10.0000	10.6	9527
	61 Bromodichloromethane	83	7.121	7.121	(1.111)	70854	10.0000	10.4	9152
	64 1-Bromo-2-chloroethane	63	7.550	7.550	(1.178)	95535	10.0000	10.8	9265
	65 cis-1,3-Dichloropropene	75	7.695	7.695	(1.201)	80597	10.0000	9.95	
$	67 Toluene-d8	98	7.860	7.860	(0.854)	1104085	50.0000	49.5	9534
	68 Toluene +	91	7.906	7.906	(0.859)	276591	10.0000	9.74	9260
	66 4-methyl-2-pentanone	43	8.256	8.256	(1.288)	52016	10.0000	10.4	
	78 Tetrachloroethene	164	8.230	8.230	(0.894)	45002	10.0000	9.86	5507
	71 trans-1,3-Dichloropropene	75	8.276	8.276	(0.900)	55825	10.0000	8.84	
	76 1,1,2-Trichloroethane	97	8.415	8.415	(0.915)	42910	10.0000	10.3	9354
	81 Dibromochloromethane	129	8.560	8.560	(0.930)	48817	10.0000	9.93	9229
	79 1,3-Dichloropropane	76	8.652	8.652	(0.940)	75065	10.0000	9.97	8898
	83 1,2-Dibromoethane(EDB)	107	8.771	8.771	(0.953)	36655	10.0000	10.2	9092
	80 2-Hexanone	43	8.976	8.976	(0.976)	40013	10.0000	9.80	8445
	84 1-Chlorohexane	91	9.194	9.194	(1.435)	109842	10.0000	10.3	4416(H)
*	85 Chlorobenzene-d5	82	9.200	9.200	(1.000)	518736	50.0000		4345
	86 Chlorobenzene ++	112	9.220	9.220	(1.002)	173105	10.0000	10.1	5983
	87 Ethylbenzene +	106	9.240	9.240	(1.004)	96079	10.0000	10.1	9374
	89 1,1,1,2-Tetrachloroethane	133	9.273	9.273	(1.008)	48113	10.0000	9.99	9217
M	75 Total 1,2-Dichloroethene	61				173494	20.0000	20.9	0
	90 p,m-Xylene	106	9.365	9.365	(1.018)	236945	20.0000	20.2	9439
M	77 1-3 Dichloropropene-Total	100				136422	20.0000	18.8	0
	91 o-Xylene	106	9.735	9.735	(1.058)	113803	10.0000	9.99	

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
92	Styrene	104	9.781	9.781	(1.063)	174736	10.0000	9.53	9499
95	Bromoform ++	173	9.801	9.801	(1.065)	22080	10.0000	9.22	6135
96	Isopropylbenzene	105	9.999	9.999	(1.087)	290340	10.0000	9.94	9605
$ 98	Bromofluorobenzene	174	10.243	10.243	(1.113)	278505	50.0000	49.4	9455
102	Bromobenzene	77	10.336	10.336	(0.922)	125675	10.0000	10.2	9107
103	n-Propylbenzene	91	10.349	10.349	(0.923)	369611	10.0000	10.3	9087
101	1,1,2,2-Tetrachloroethane++	83	10.415	10.415	(0.929)	51566	10.0000	10.3	9399
105	2-Chlorotoluene	91	10.488	10.488	(0.936)	233145	10.0000	10.4	8984
107	1,3,5-Trimethylbenzene	105	10.514	10.514	(0.938)	249975	10.0000	10.5	
104	1,2,3-Trichloropropane	75	10.534	10.534	(0.940)	53490	10.0000	10.5	8161
106	trans-1,4-Dichloro-2-Butene	53	10.560	10.560	(0.942)	6086	10.0000	10.7	8507
108	4-Chlorotoluene	91	10.633	10.633	(0.949)	198179	10.0000	10.1	9528
109	tert-butylbenzene	91	10.791	10.791	(0.963)	137765	10.0000	10.2	9374
110	1,2,4-Trimethylbenzene	105	10.851	10.851	(0.968)	247691	10.0000	10.5	
112	sec-Butylbenzene	105	10.943	10.943	(0.976)	333857	10.0000	10.2	
113	p-Isopropyltoluene	119	11.062	11.062	(0.987)	273370	10.0000	10.4	9577
114	1,3-Dichlorobenzene	146	11.141	11.141	(0.994)	112268	10.0000	10.2	
* 115	1,4-DICHLOROBENZENE-D4	152	11.207	11.207	(1.000)	346767	50.0000		5337
117	1,4-Dichlorobenzene	146	11.220	11.220	(1.001)	119077	10.0000	10.4	
119	n-Butylbenzene	91	11.438	11.438	(1.021)	240788	10.0000	10.1	9599
120	1,2-Dichlorobenzene	146	11.610	11.610	(1.036)	98155	10.0000	10.1	
121	1,2-Dibromo-3-Chloropropane	157	12.455	12.455	(1.111)	5453	10.0000	12.2	7712
124	Hexachlorobutadiene	225	13.234	13.234	(1.181)	42218	10.0000	10.4	9223
123	1,2,4-Trichlorobenzene	180	13.287	13.287	(1.186)	53525	10.0000	10.6	
125	Napthalene	128	13.670	13.670	(1.220)	75368	10.0000	11.2	9428
126	1,2,3-Trichlorobenzene	180	13.861	13.861	(1.237)	48655	10.0000	10.5	
M 127	TOTAL XYLENE	106				350748	30.0000	30.2	0

QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

170264

Data File: /var/chem/msv0.i/2080607p.b/x8802.d

Date : 07-JUN-2008 22:36

Client ID: V0STD010

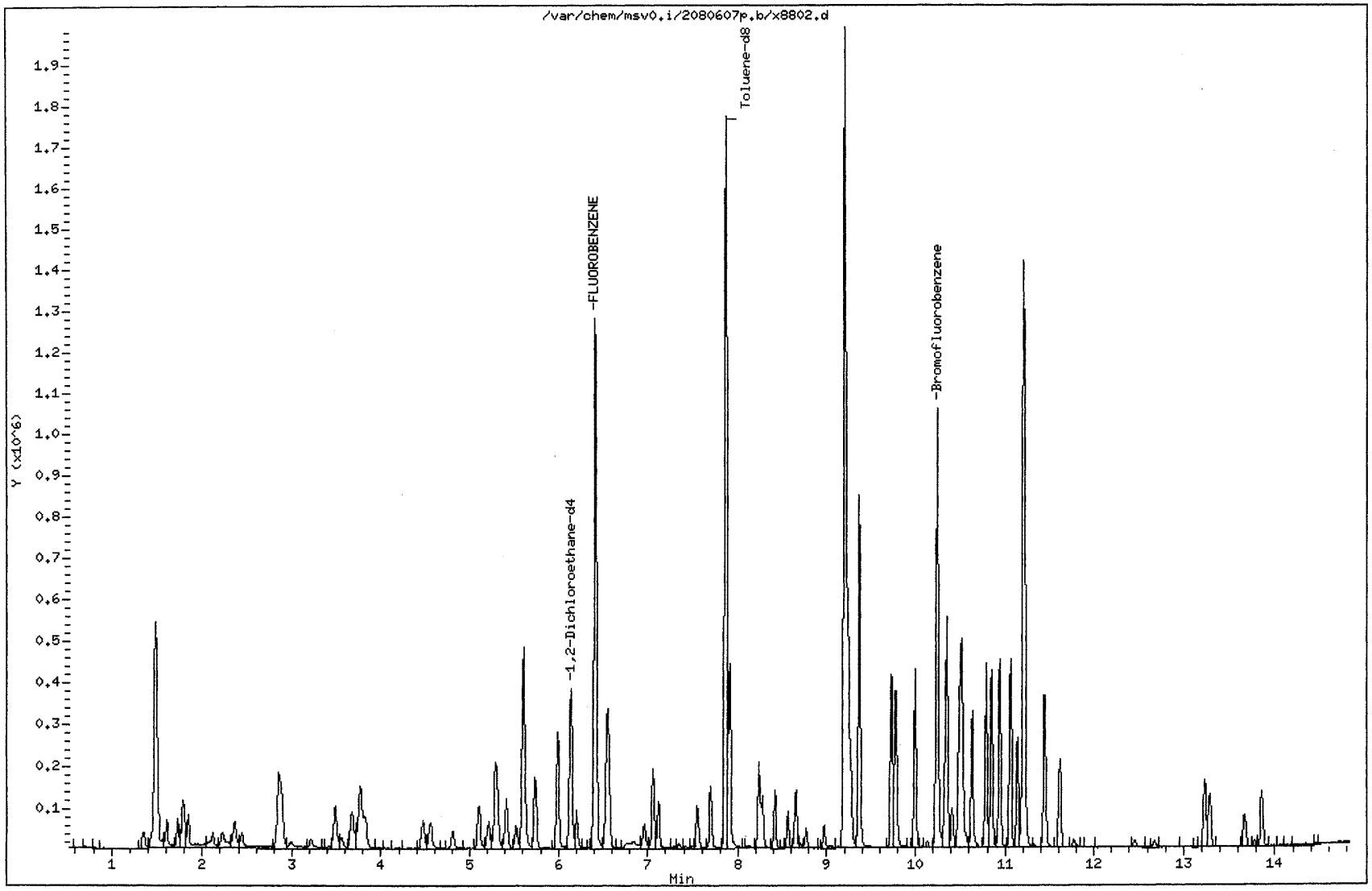
Sample Info: 1207xV0STD010x6-23-8

Column phase: DB-624-30M

Instrument: msv0.i

Operator: JCK

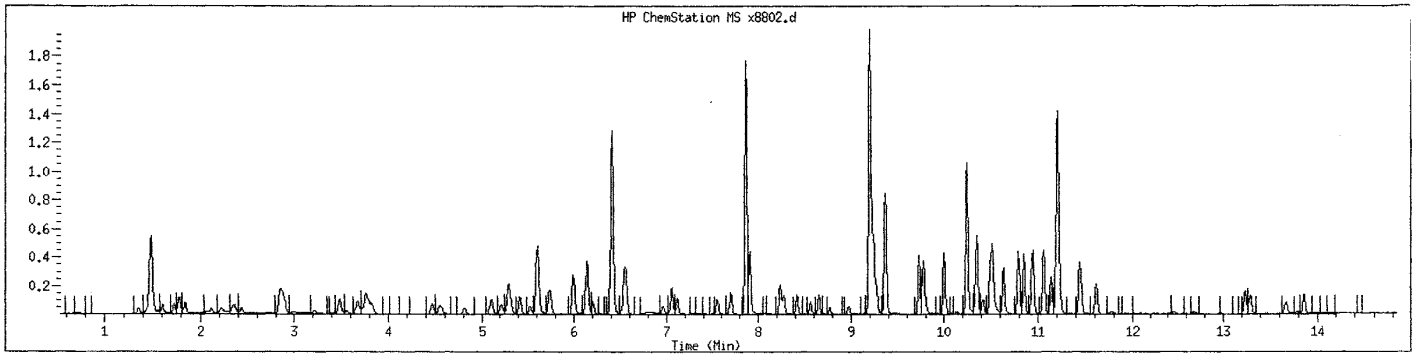
Column diameter: 0.53



Data file : /var/chem/msv0.i/2080607p.b/x8802.d Page: 1
Report Date: 06/08/2008 23:13

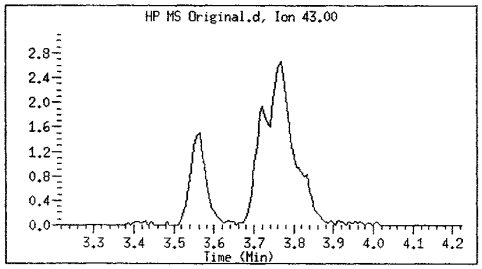
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1207 SampleType : CALIB_7
Injection Date: 06/07/2008 22:36 Instrument : msv0.i
Operator : JCK
Sample Info : 1207*V0STD010*6-23-8
Misc Info : MSV~13439~*1*JCK
Method : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



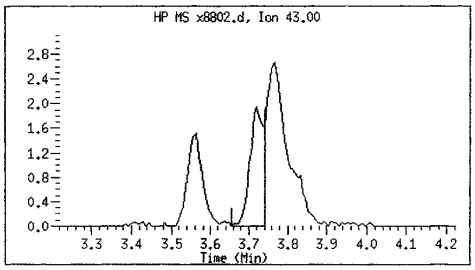
Original Final

16 Methyl Acetate CAS#: 79-20-9 Reason: M1



Electronic Signature
Applied

User: root
Date: 06/08/2008 11:34



M1 - Target system did not integrate

170266

GCAL, Inc.

Data file : /var/chem/msv0.i/2080607p.b/x8803.d
Lab Smp Id: 1202 Client Smp ID: V0STD020
Inj Date : 07-JUN-2008 22:59
Operator : JCK Inst ID: msv0.i
Smp Info : 1202*V0STD020*6-23-8
Misc Info : MSV~13439~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Meth Date : 08-Jun-2008 23:13 root Quant Type: ISTD
Cal Date : 07-JUN-2008 22:59 Cal File: x8803.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)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.600	1.600	(0.250)	97516	20.0000	19.8	8858
2 Chloromethane ++	50	1.772	1.772	(0.277)	210307	20.0000	19.0	8698
4 Vinyl Chloride +	62	1.838	1.838	(0.287)	127306	20.0000	19.7	9319
5 Bromomethane	94	2.115	2.115	(0.330)	40939	20.0000	18.9	8857
6 Chloroethane	64	2.221	2.221	(0.347)	55945	20.0000	18.4	9081
7 Trichlorofluoromethane	101	2.353	2.353	(0.367)	107535	20.0000	18.5	9059
11 1,1-Dichloroethene +	96	2.841	2.841	(0.444)	95073	20.0000	20.4	8752
14 Carbon Disulfide	76	2.855	2.855	(0.446)	367730	20.0000	20.5	7976
9 1,1,2Trichlotrifluoroethane	101	2.888	2.888	(0.451)	99767	20.0000	20.7	9195
13 Methyl Iodide	142	2.987	2.987	(0.466)	60164	20.0000	22.6	8345
10 Acrolein	56	3.211	3.211	(0.501)	46216	100.000	97.8	8467
18 Methylene Chloride	49	3.475	3.475	(0.542)	177014	20.0000	19.5	8549
12 Acetone	43	3.554	3.554	(0.555)	59165	20.0000	21.0	8981

170267

	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	3.667	3.667	(0.572)	169929	20.0000	20.5	8989
	16 Methyl Acetate	43	3.713	3.713	(0.580)	69320	20.0000	18.0	3693(M2)
	23 Hexane	57	3.759	3.759	(0.587)	228196	20.0000	20.0	9240
	20 MTBE	73	3.818	3.818	(0.596)	190847	20.0000	21.4	8765
	26 1,1-Dichloroethane ++	63	4.465	4.465	(0.697)	209861	20.0000	20.2	9580
	22 Acrylonitrile	53	4.551	4.551	(0.710)	134314	100.000	105	9628
	27 Vinyl Acetate	43	4.809	4.809	(0.751)	160625	20.0000	21.0	
	30 cis-1,2-Dichloroethene	61	5.099	5.099	(0.796)	167671	20.0000	19.9	9364
	29 2,2-Dichloropropane	77	5.212	5.212	(0.813)	96707	20.0000	19.5	9018
	39 Cyclohexane	56	5.284	5.284	(0.825)	231695	20.0000	20.1	7380
	34 Bromochloromethane	128	5.311	5.311	(0.829)	41718	20.0000	19.9	9094
	38 Chloroform +	83	5.410	5.410	(0.844)	209322	20.0000	20.4	9239
	42 Carbon Tetrachloride	117	5.522	5.522	(0.862)	81214	20.0000	22.0	9587
$	41 Dibromofluoromethane	111	5.601	5.601	(0.874)	295347	50.0000	51.5	8249
	40 1,1,1-Trichloroethane	97	5.601	5.601	(0.874)	142643	20.0000	20.8	8003
	43 1,1-Dichloropropene	75	5.733	5.733	(0.895)	159849	20.0000	20.1	8460
	31 2-Butanone	43	5.753	5.753	(0.898)	51295	20.0000	22.4	
	46 Benzene	78	5.991	5.991	(0.935)	476447	20.0000	20.6	9104
$	47 1,2-Dichloroethane-d4	67	6.136	6.136	(0.958)	138288	50.0000	53.6	9539
	48 1,2-Dichloroethane	62	6.202	6.202	(0.968)	131497	20.0000	21.0	9726
*	49 FLUOROBENZENE	96	6.406	6.406	(1.000)	1152387	50.0000		9590
	52 Methyl cyclohexane	83	6.538	6.538	(1.021)	198776	20.0000	19.9	6707
	50 Trichloroethene	130	6.565	6.565	(1.025)	125003	20.0000	20.3	8868
	58 Dibromomethane	93	6.961	6.961	(1.087)	42846	20.0000	21.2	9458
	54 1,2-Dichloropropane +	63	7.060	7.060	(1.102)	140832	20.0000	20.4	9447
	61 Bromodichloromethane	83	7.119	7.119	(1.111)	145517	20.0000	21.3	9327
	64 1-Bromo-2-chloroethane	63	7.549	7.549	(1.178)	190868	20.0000	21.4	9471
	65 cis-1,3-Dichloropropene	75	7.694	7.694	(1.201)	165449	20.0000	20.3	
$	67 Toluene-d8	98	7.859	7.859	(0.854)	1080425	50.0000	49.4	9498
	68 Toluene +	91	7.905	7.905	(0.859)	532855	20.0000	19.1	9354
	66 4-methyl-2-pentanone	43	8.255	8.255	(1.289)	104572	20.0000	20.7	
	78 Tetrachloroethene	164	8.229	8.229	(0.894)	87031	20.0000	19.4	5469
	71 trans-1,3-Dichloropropene	75	8.275	8.275	(0.900)	121356	20.0000	19.6	
	76 1,1,2-Trichloroethane	97	8.413	8.413	(0.915)	84225	20.0000	20.6	9467
	81 Dibromochloromethane	129	8.565	8.565	(0.931)	100815	20.0000	20.9	9471
	79 1,3-Dichloropropane	76	8.651	8.651	(0.940)	154286	20.0000	20.9	8966
	83 1,2-Dibromoethane(EDB)	107	8.763	8.763	(0.953)	73693	20.0000	20.9	9620
	80 2-Hexanone	43	8.975	8.975	(0.976)	78978	20.0000	19.7	9163
	84 1-Chlorohexane	91	9.199	9.199	(1.436)	213069	20.0000	19.9	5200
*	85 Chlorobenzene-d5	82	9.199	9.199	(1.000)	509026	50.0000		5635
	86 Chlorobenzene ++	112	9.219	9.219	(1.002)	342583	20.0000	20.4	7220
	87 Ethylbenzene +	106	9.239	9.239	(1.004)	188274	20.0000	20.1	9418
	89 1,1,1,2-Tetrachloroethane	133	9.272	9.272	(1.008)	98582	20.0000	20.9	9463
M	75 Total 1,2-Dichloroethene	61				337600	40.0000	40.4	0
	90 p,m-Xylene	106	9.364	9.364	(1.018)	465354	40.0000	40.4	9460
M	77 1-3 Dichloropropene-Total	100				286805	40.0000	39.9	0
	91 o-Xylene	106	9.734	9.734	(1.058)	229585	20.0000	20.5	

170268

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
92	Styrene	104	9.780	9.780	(1.063)	365485	20.0000	20.3	9487
95	Bromoform ++	173	9.800	9.800	(1.065)	46152	20.0000	19.6	6233
96	Isopropylbenzene	105	9.998	9.998	(1.087)	580616	20.0000	20.2	9575
$ 98	Bromofluorobenzene	174	10.242	10.242	(1.113)	278636	50.0000	50.3	9445
102	Bromobenzene	77	10.335	10.335	(0.922)	254918	20.0000	19.9	9010
103	n-Propylbenzene	91	10.348	10.348	(0.923)	739205	20.0000	19.9	9198
101	1,1,2,2-Tetrachloroethane++	83	10.414	10.414	(0.929)	104142	20.0000	20.1	9472
105	2-Chlorotoluene	91	10.486	10.486	(0.936)	463146	20.0000	20.0	8888
107	1,3,5-Trimethylbenzene	105	10.513	10.513	(0.938)	502151	20.0000	20.3	
104	1,2,3-Trichloropropane	75	10.539	10.539	(0.940)	108731	20.0000	20.7	9395
106	trans-1,4-Dichloro-2-Butene	53	10.566	10.566	(0.943)	14936	20.0000	20.8	8472(M2)
108	4-Chlorotoluene	91	10.632	10.632	(0.949)	405271	20.0000	19.9	9548
109	tert-butylbenzene	91	10.790	10.790	(0.963)	278993	20.0000	20.0	9498
110	1,2,4-Trimethylbenzene	105	10.850	10.850	(0.968)	492625	20.0000	20.1	
112	sec-Butylbenzene	105	10.942	10.942	(0.976)	669742	20.0000	19.8	
113	p-Isopropyltoluene	119	11.061	11.061	(0.987)	549154	20.0000	20.1	9587
114	1,3-Dichlorobenzene	146	11.140	11.140	(0.994)	230159	20.0000	20.2	
* 115	1,4-DICHLOROBENZENE-D4	152	11.206	11.206	(1.000)	359225	50.0000		6101
117	1,4-Dichlorobenzene	146	11.219	11.219	(1.001)	241188	20.0000	20.4	
119	n-Butylbenzene	91	11.444	11.444	(1.021)	491192	20.0000	19.9	9640
120	1,2-Dichlorobenzene	146	11.615	11.615	(1.037)	204975	20.0000	20.4	
121	1,2-Dibromo-3-Chloropropane	157	12.460	12.460	(1.112)	11952	20.0000	21.7	8625
124	Hexachlorobutadiene	225	13.233	13.233	(1.181)	84293	20.0000	20.1	9295
123	1,2,4-Trichlorobenzene	180	13.286	13.286	(1.186)	108209	20.0000	20.8	
125	Napthalene	128	13.669	13.669	(1.220)	161455	20.0000	20.2	9632
126	1,2,3-Trichlorobenzene	180	13.860	13.860	(1.237)	100550	20.0000	20.9	
M 127	TOTAL XYLENE	106				694939	60.0000	60.9	0

QC Flag Legend

M2- Compound response manually integrated because Target system integrated incorrectly.

170269

Data File: /var/chem/msv0.i/2080607p.b/x8803.d

Date : 07-JUN-2008 22:59

Client ID: V0STD020

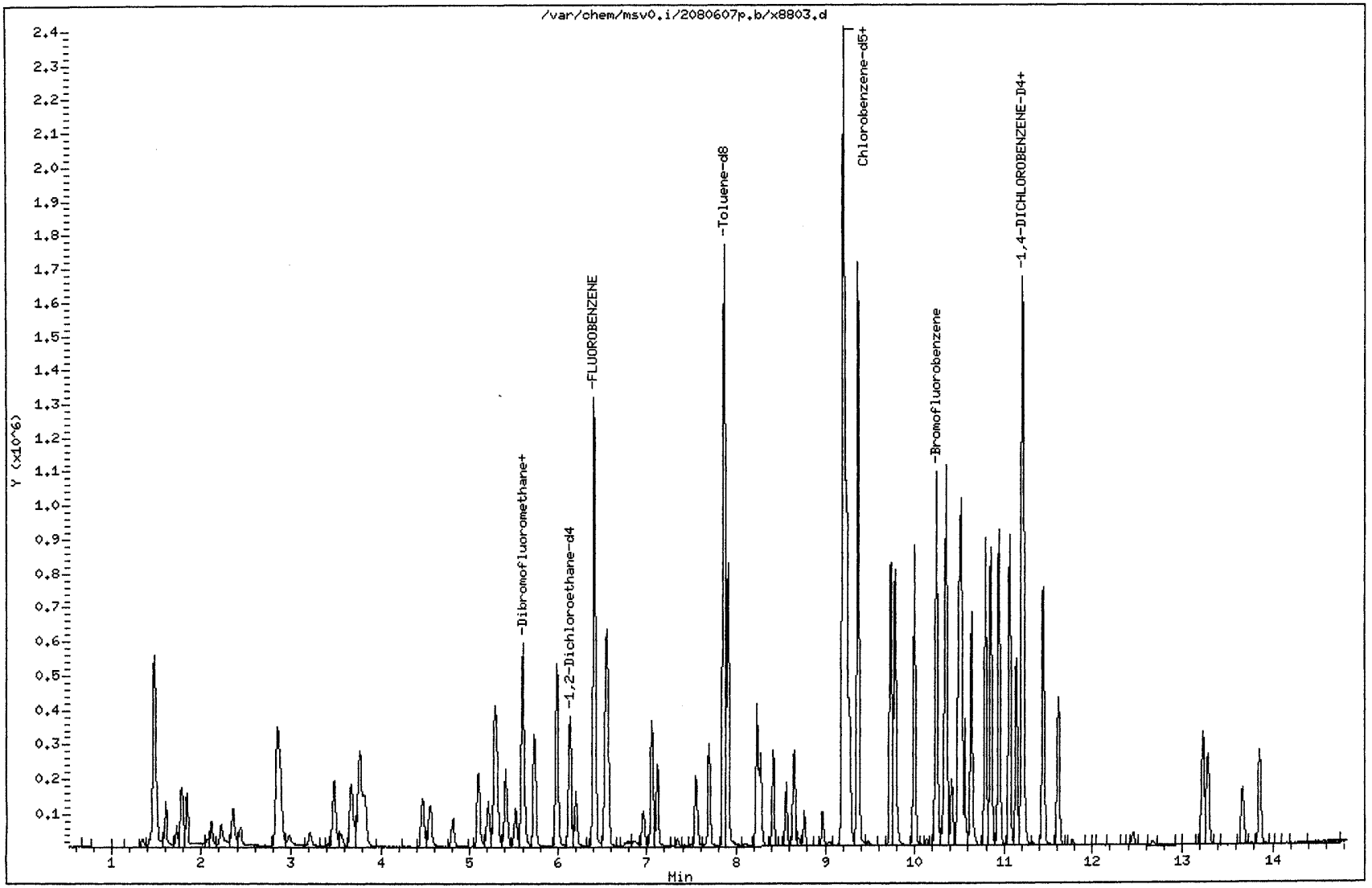
Sample Info: 1202*V0STD020*6-23-8

Column phase: DB-624-30M

Instrument: msv0.i

Operator: JCK

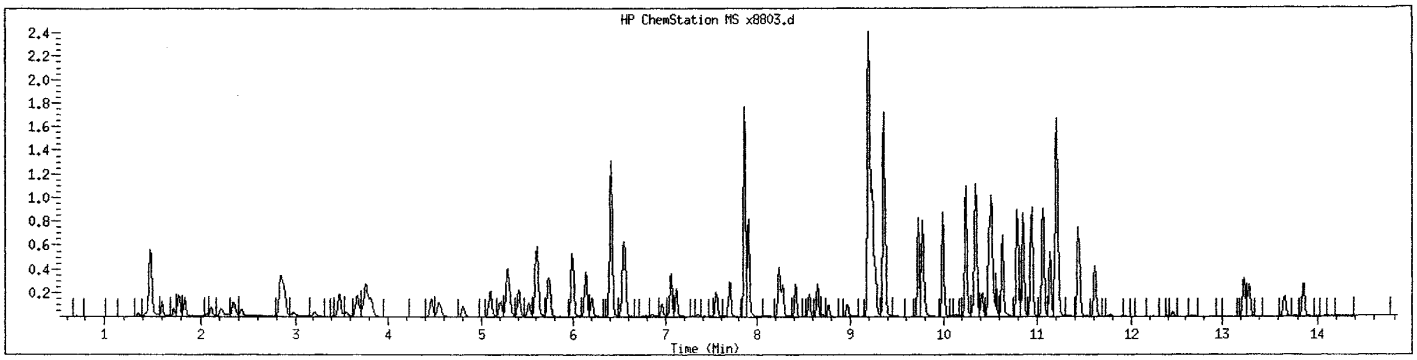
Column diameter: 0.53



Data file : /var/chem/msv0.i/2080607p.b/x8803.d
Report Date: 06/08/2008 23:13

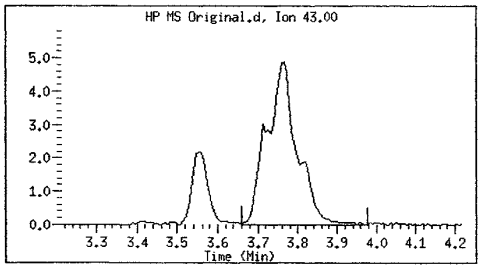
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1202	SampleType	: CALIB_2
Injection Date	: 06/07/2008 22:59	Instrument	: msv0.i
Operator	: JCK		
Sample Info	: 1202*V0STD020*6-23-8		
Misc Info	: MSV~13439~*1*JCK		
Method	: /var/chem/msv0.i/2080607p.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



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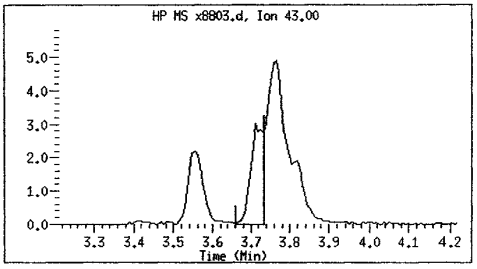
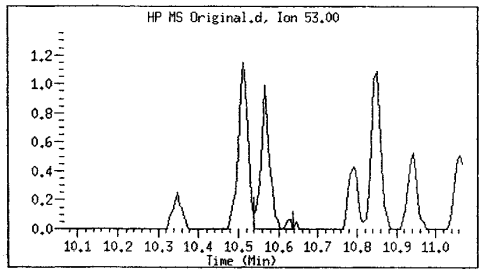
User: root
Date: 06/08/2008 11:35



106 trans-1,4-Dichloro-2-Butene CAS#: 110-57-6 Reason: M2



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User: root
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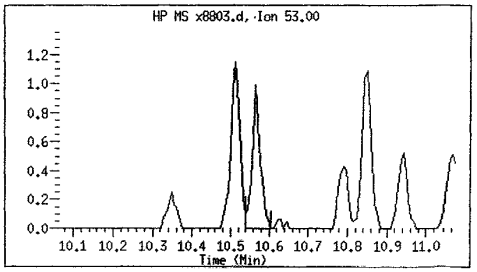

M2 - Target system integrated incorrectly

170272

GCAL, Inc.

Data file : /var/chem/msv0.i/2080607p.b/x8804.d
Lab Smp Id: 1203 Client Smp ID: V0STD050
Inj Date : 07-JUN-2008 23:22
Operator : JCK Inst ID: msv0.i
Smp Info : 1203*V0STD050*6-23-8
Misc Info : MSV~13439~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Meth Date : 08-Jun-2008 23:13 root Quant Type: ISTD
Cal Date : 07-JUN-2008 23:22 Cal File: x8804.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	1.597	1.597	(0.249)	239440	50.0000	46.7	9328
2 Chloromethane ++	50	1.775	1.775	(0.277)	524003	50.0000	45.7	8383
4 Vinyl Chloride +	62	1.835	1.835	(0.286)	315353	50.0000	46.9	9521
5 Bromomethane	94	2.112	2.112	(0.329)	97486	50.0000	43.2	9504
6 Chloroethane	64	2.224	2.224	(0.347)	184287	50.0000	58.4	9157
7 Trichlorofluoromethane	101	2.356	2.356	(0.368)	336076	50.0000	55.5	9734
11 1,1-Dichloroethene +	96	2.845	2.845	(0.444)	239840	50.0000	49.4	8904
14 Carbon Disulfide	76	2.858	2.858	(0.446)	910018	50.0000	48.7	7835
9 1,1,2Trichlotrifluoroethane	101	2.891	2.891	(0.451)	236412	50.0000	47.1	9430
13 Methyl Iodide	142	2.997	2.997	(0.468)	125389	50.0000	45.3	7871
10 Acrolein	56	3.208	3.208	(0.500)	111434	250.000	227	9315
18 Methylene Chloride	49	3.479	3.479	(0.543)	418712	50.0000	44.4	8713
12 Acetone	43	3.551	3.551	(0.554)	114577	50.0000	50.8	9197

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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	3.670	3.670	(0.573)	416661	50.0000	48.3	9027
	16 Methyl Acetate	43	3.710	3.710	(0.579)	133157	50.0000	41.2	3639(M2)
	23 Hexane	57	3.769	3.769	(0.588)	515524	50.0000	43.4	9083
	20 MTBE	73	3.809	3.809	(0.594)	421127	50.0000	45.4	8560
	26 1,1-Dichloroethane ++	63	4.462	4.462	(0.696)	527489	50.0000	49.0	9504
	22 Acrylonitrile	53	4.548	4.548	(0.710)	327196	250.000	245	9708
	27 Vinyl Acetate	43	4.806	4.806	(0.750)	375910	50.0000	47.2	
	30 cis-1,2-Dichloroethene	61	5.096	5.096	(0.795)	420703	50.0000	48.0	9367
	29 2,2-Dichloropropane	77	5.208	5.208	(0.813)	193140	50.0000	37.4	9008
	39 Cyclohexane	56	5.288	5.288	(0.825)	560089	50.0000	46.7	7642
	34 Bromochloromethane	128	5.314	5.314	(0.829)	105419	50.0000	48.4	8911
	38 Chloroform +	83	5.406	5.406	(0.843)	480062	50.0000	45.0	9284
	42 Carbon Tetrachloride	117	5.519	5.519	(0.861)	165095	50.0000	43.1	9740
$	41 Dibromofluoromethane	111	5.604	5.604	(0.874)	291473	50.0000	48.9	9601
	40 1,1,1-Trichloroethane	97	5.604	5.604	(0.874)	346068	50.0000	48.6	9678
	43 1,1-Dichloropropene	75	5.736	5.736	(0.895)	388188	50.0000	47.1	8662
	31 2-Butanone	43	5.750	5.750	(0.897)	104141	50.0000	48.8	
	46 Benzene	78	5.994	5.994	(0.935)	1113282	50.0000	46.3	9072
$	47 1,2-Dichloroethane-d4	67	6.139	6.139	(0.958)	126498	50.0000	47.1	9484
	48 1,2-Dichloroethane	62	6.205	6.205	(0.968)	308952	50.0000	47.4	9626
*	49 FLUOROBENZENE	96	6.410	6.410	(1.000)	1197717	50.0000		9653
	52 Methyl cyclohexane	83	6.542	6.542	(1.021)	471455	50.0000	45.4	7224
	50 Trichloroethene	130	6.562	6.562	(1.024)	310409	50.0000	48.5	9449
	58 Dibromomethane	93	6.964	6.964	(1.087)	93696	50.0000	44.7	9629
	54 1,2-Dichloropropane +	63	7.057	7.057	(1.101)	346178	50.0000	48.3	9479
	61 Bromodichloromethane	83	7.123	7.123	(1.111)	353975	50.0000	49.8	9434
	64 1-Bromo-2-chloroethane	63	7.552	7.552	(1.178)	449837	50.0000	48.6	9492
	65 cis-1,3-Dichloropropene	75	7.697	7.697	(1.201)	401931	50.0000	47.4	
$	67 Toluene-d8	98	7.862	7.862	(0.854)	1104771	50.0000	49.5	9581
	68 Toluene +	91	7.909	7.909	(0.859)	1307219	50.0000	46.0	9454
	66 4-methyl-2-pentanone	43	8.252	8.252	(1.287)	246107	50.0000	47.0	
	78 Tetrachloroethene	164	8.232	8.232	(0.895)	214750	50.0000	47.0	5695
	71 trans-1,3-Dichloropropene	75	8.278	8.278	(0.900)	307097	50.0000	48.6	
	76 1,1,2-Trichloroethane	97	8.417	8.417	(0.915)	205141	50.0000	49.2	9465
	81 Dibromochloromethane	129	8.562	8.562	(0.930)	248480	50.0000	50.5	9542
	79 1,3-Dichloropropane	76	8.648	8.648	(0.940)	368090	50.0000	48.9	8985
	83 1,2-Dibromoethane(EDB)	107	8.767	8.767	(0.953)	169569	50.0000	47.3	9698
	80 2-Hexanone	43	8.971	8.971	(0.975)	174726	50.0000	42.8	9494
	84 1-Chlorohexane	91	9.196	9.196	(1.435)	554095	50.0000	49.8	7514
*	85 Chlorobenzene-d5	82	9.202	9.202	(1.000)	519074	50.0000		7483
	86 Chlorobenzene ++	112	9.216	9.216	(1.001)	821241	50.0000	48.0	7788
	87 Ethylbenzene +	106	9.242	9.242	(1.004)	458633	50.0000	48.0	9433
	89 1,1,1,2-Tetrachloroethane	133	9.275	9.275	(1.008)	231816	50.0000	48.1	9563
M	75 Total 1,2-Dichloroethene	61				837364	100.000	96.4	0
	90 p,m-Xylene	106	9.368	9.368	(1.018)	1121954	100.000	95.5	9505
M	77 1-3 Dichloropropene-Total	100				709028	100.000	96.1	0
	91 o-Xylene	106	9.731	9.731	(1.057)	553837	50.0000	48.6	

170274

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
92	Styrene	104	9.777	9.777	(1.062)	884755	50.0000	48.2	9467
95	Bromoform ++	173	9.803	9.803	(1.065)	120884	50.0000	50.5	7372
96	Isopropylbenzene	105	9.995	9.995	(1.086)	1401014	50.0000	47.9	9612
$ 98	Bromofluorobenzene	174	10.246	10.246	(1.113)	286847	50.0000	50.8	9592
102	Bromobenzene	77	10.338	10.338	(0.923)	615648	50.0000	45.9	9347
103	n-Propylbenzene	91	10.351	10.351	(0.924)	1782905	50.0000	45.8	8853
101	1,1,2,2-Tetrachloroethane++	83	10.411	10.411	(0.929)	259518	50.0000	47.7	9557
105	2-Chlorotoluene	91	10.490	10.490	(0.936)	1119347	50.0000	46.1	9103
107	1,3,5-Trimethylbenzene	105	10.516	10.516	(0.939)	1203819	50.0000	46.5	
104	1,2,3-Trichloropropane	75	10.536	10.536	(0.940)	262325	50.0000	47.6	8654(M2)
106	trans-1,4-Dichloro-2-Butene	53	10.569	10.569	(0.943)	35894	50.0000	42.7	8719
108	4-Chlorotoluene	91	10.635	10.635	(0.949)	966372	50.0000	45.3	9604
109	tert-butylbenzene	91	10.794	10.794	(0.963)	665332	50.0000	45.5	9515
110	1,2,4-Trimethylbenzene	105	10.853	10.853	(0.969)	1191041	50.0000	46.3	
112	sec-Butylbenzene	105	10.945	10.945	(0.977)	1607970	50.0000	45.4	
113	p-Isopropyltoluene	119	11.064	11.064	(0.988)	1299471	50.0000	45.4	9538
114	1,3-Dichlorobenzene	146	11.143	11.143	(0.995)	565501	50.0000	47.5	
* 115	1,4-DICHLOROBENZENE-D4	152	11.203	11.203	(1.000)	376559	50.0000		6835
117	1,4-Dichlorobenzene	146	11.216	11.216	(1.001)	573738	50.0000	46.3	
119	n-Butylbenzene	91	11.441	11.441	(1.021)	1177853	50.0000	45.6	9631
120	1,2-Dichlorobenzene	146	11.612	11.612	(1.037)	498657	50.0000	47.4	
121	1,2-Dibromo-3-Chloropropane	157	12.457	12.457	(1.112)	28936	50.0000	45.3	8999
124	Hexachlorobutadiene	225	13.236	13.236	(1.181)	200768	50.0000	45.6	9351
123	1,2,4-Trichlorobenzene	180	13.289	13.289	(1.186)	252409	50.0000	46.2	
125	Napthalene	128	13.672	13.672	(1.220)	394169	50.0000	42.8	9705
126	1,2,3-Trichlorobenzene	180	13.857	13.857	(1.237)	230386	50.0000	45.8	
M 127	TOTAL XYLENE	106				1675791	150.000	144	0

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

170275

Data File: /var/chem/msv0.i/2080607p.b/x8804.d

Page 1

Date : 07-JUN-2008 23:22

Client ID: VOSTD050

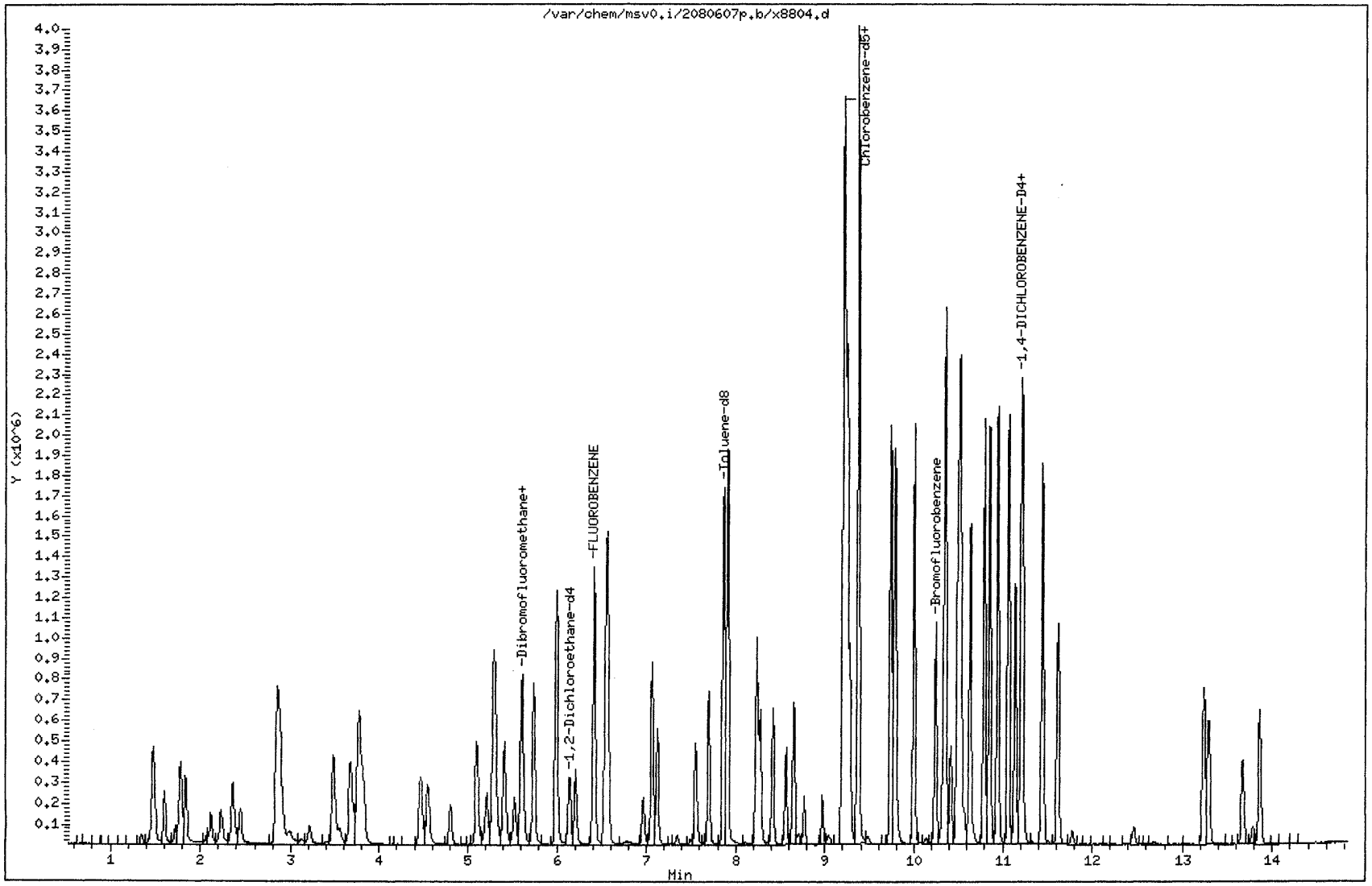
Instrument: msv0.i

Sample Info: 1203*VOSTD050*6-23-8

Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53

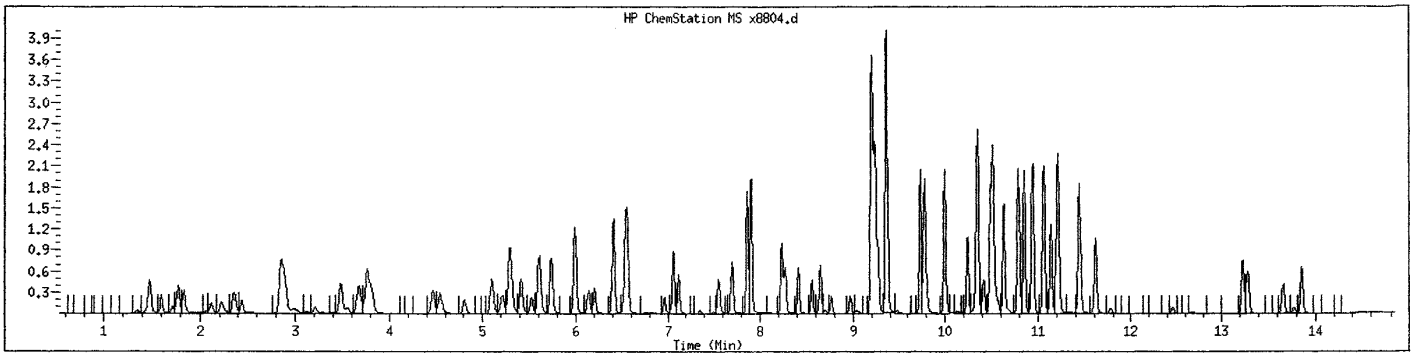


Data file : /var/chem/msv0.i/2080607p.b/x8804.d
Report Date: 06/08/2008 23:13

MANUAL INTEGRATION GRAPHIC REPORT

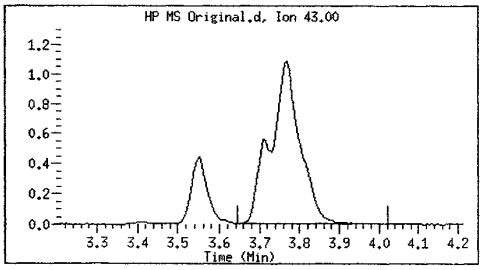
Lab ID : 1203
Injection Date: 06/07/2008 23:22
Operator : JCK
Sample Info : 1203*V0STD050*6-23-8
Misc Info : MSV~13439~*1*JCK
Method : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE

SampleType : CALIB_3
Instrument : msv0.i
Compound Sublist: 8260b



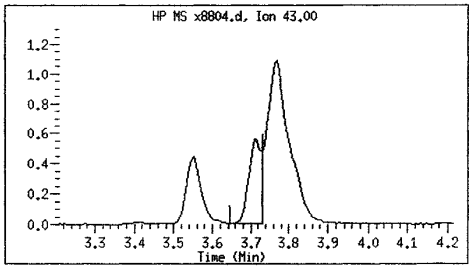
Original Final

16 Methyl Acetate CAS#: 79-20-9 Reason: M2

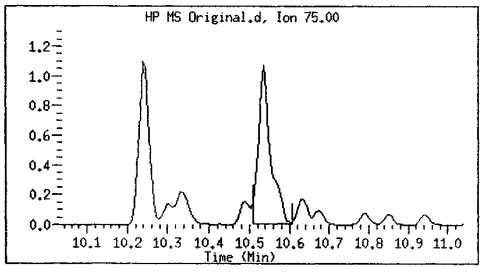


Electronic Signature Applied

User: root
Date: 06/08/2008 11:36

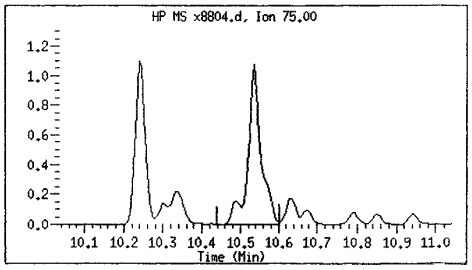


104 1,2,3-Trichloropropane CAS#: 96-18-4 Reason: M2



Electronic Signature Applied

User: root
Date: 06/08/2008 11:43



170277

M2 - Target system integrated incorrectly

170278

GCAL, Inc.

Data file : /var/chem/msv0.i/2080607p.b/x8805.d
Lab Smp Id: 1204 Client Smp ID: V0STD100
Inj Date : 07-JUN-2008 23:45
Operator : JCK Inst ID: msv0.i
Smp Info : 1204*V0STD100*6-23-8
Misc Info : MSV~13439~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Meth Date : 08-Jun-2008 23:13 root Quant Type: ISTD
Cal Date : 07-JUN-2008 23:45 Cal File: x8805.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)	ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.602	1.602	(0.250)	499362	100.000	99.6	9605
2 Chloromethane ++	50	1.773	1.773	(0.277)	1122398	100.000	100	9835
4 Vinyl Chloride +	62	1.839	1.839	(0.287)	662695	100.000	101	9773
5 Bromomethane	94	2.117	2.117	(0.330)	243102	100.000	104	9626
6 Chloroethane	64	2.229	2.229	(0.348)	256721	100.000	83.2	9178
7 Trichlorofluoromethane	101	2.354	2.354	(0.367)	555495	100.000	93.9	9679
11 1,1-Dichloroethene +	96	2.843	2.843	(0.444)	481370	100.000	102	8596
14 Carbon Disulfide	76	2.863	2.863	(0.447)	1772294	100.000	97.0	8739
9 1,1,2Trichlotrifluoroethane	101	2.889	2.889	(0.451)	495664	100.000	101	9303
13 Methyl Iodide	142	2.988	2.988	(0.466)	235922	100.000	87.1	8342
10 Acrolein	56	3.219	3.219	(0.502)	225581	500.000	470	9669
18 Methylene Chloride	49	3.483	3.483	(0.544)	865710	100.000	93.9	8750
12 Acetone	43	3.562	3.562	(0.556)	207849	100.000	106	9286

170279

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.675	3.675	(0.573)	866804	100.000	103	8995
	16 Methyl Acetate	43	3.741	3.741	(0.584)	292873	100.000	104	3687(M2)
	23 Hexane	57	3.774	3.774	(0.589)	1114873	100.000	96.1	9101
	20 MTBE	73	3.826	3.826	(0.597)	920747	100.000	102	9079
	26 1,1-Dichloroethane ++	63	4.467	4.467	(0.697)	1085707	100.000	103	9505
	22 Acrylonitrile	53	4.553	4.553	(0.710)	680181	500.000	521	9845(A)
	27 Vinyl Acetate	43	4.810	4.810	(0.751)	777479	100.000	99.8	
	30 cis-1,2-Dichloroethene	61	5.101	5.101	(0.796)	860569	100.000	100	9359
	29 2,2-Dichloropropane	77	5.213	5.213	(0.814)	541165	100.000	107	9080
	39 Cyclohexane	56	5.292	5.292	(0.826)	1137469	100.000	97.0	7796
	34 Bromochloromethane	128	5.318	5.318	(0.830)	242961	100.000	114	8309
	38 Chloroform +	83	5.411	5.411	(0.844)	965499	100.000	92.6	9284
	42 Carbon Tetrachloride	117	5.523	5.523	(0.862)	385225	100.000	103	9657
$	41 Dibromofluoromethane	111	5.602	5.602	(0.874)	295571	50.0000	50.8	8210
	40 1,1,1-Trichloroethane	97	5.609	5.609	(0.875)	721219	100.000	104	8212
	43 1,1-Dichloropropene	75	5.734	5.734	(0.895)	805052	100.000	99.8	8410
	31 2-Butanone	43	5.754	5.754	(0.898)	198683	100.000	100	
	46 Benzene	78	5.992	5.992	(0.935)	2328546	100.000	99.0	9055
$	47 1,2-Dichloroethane-d4	67	6.137	6.137	(0.958)	122435	50.0000	46.7	9534
	48 1,2-Dichloroethane	62	6.203	6.203	(0.968)	612026	100.000	96.0	9634
*	49 FLUOROBENZENE	96	6.408	6.408	(1.000)	1171025	50.0000		9613
	52 Methyl cyclohexane	83	6.546	6.546	(1.022)	980448	100.000	96.6	7523
	50 Trichloroethene	130	6.566	6.566	(1.025)	627989	100.000	100	8993
	58 Dibromomethane	93	6.962	6.962	(1.087)	201205	100.000	98.1	9665
	54 1,2-Dichloropropane +	63	7.061	7.061	(1.102)	703162	100.000	100	9540
	61 Bromodichloromethane	83	7.121	7.121	(1.111)	714938	100.000	103	9444
	64 1-Bromo-2-chloroethane	63	7.550	7.550	(1.178)	930802	100.000	103	9420
	65 cis-1,3-Dichloropropene	75	7.695	7.695	(1.201)	874532	100.000	106	
$	67 Toluene-d8	98	7.860	7.860	(0.854)	1113782	50.0000	52.2	9540
	68 Toluene +	91	7.906	7.906	(0.859)	2620473	100.000	96.4	9404
	66 4-methyl-2-pentanone	43	8.256	8.256	(1.288)	501216	100.000	97.8	
	78 Tetrachloroethene	164	8.230	8.230	(0.894)	443263	100.000	101	5427
	71 trans-1,3-Dichloropropene	75	8.276	8.276	(0.900)	670593	100.000	111	
	76 1,1,2-Trichloroethane	97	8.415	8.415	(0.915)	423738	100.000	106	9449
	81 Dibromochloromethane	129	8.567	8.567	(0.931)	520345	100.000	111	9636
	79 1,3-Dichloropropane	76	8.652	8.652	(0.940)	756945	100.000	105	9082
	83 1,2-Dibromoethane(EDB)	107	8.771	8.771	(0.953)	353999	100.000	103	9694
	80 2-Hexanone	43	8.969	8.969	(0.975)	364547	100.000	93.3	9553
	84 1-Chlorohexane	91	9.200	9.200	(1.436)	1054552	100.000	97.0	8322
*	85 Chlorobenzene-d5	82	9.200	9.200	(1.000)	496663	50.0000		8748
	86 Chlorobenzene ++	112	9.220	9.220	(1.002)	1660892	100.000	101	8960
	87 Ethylbenzene +	106	9.240	9.240	(1.004)	931497	100.000	102	9435
	89 1,1,1,2-Tetrachloroethane	133	9.273	9.273	(1.008)	477896	100.000	104	9584
M	75 Total 1,2-Dichloroethene	61				1727373	200.000	203	0
	90 p,m-Xylene	106	9.366	9.366	(1.018)	2250482	200.000	200	9506(H)
M	77 1-3 Dichloropropene-Total	100				1545125	200.000	217	0
	91 o-Xylene	106	9.735	9.735	(1.058)	1109240	100.000	102	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
92	Styrene	104	9.781	9.781	(1.063)	1811652	100.000	103	9518
95	Bromoform ++	173	9.801	9.801	(1.065)	253845	100.000	111	6780
96	Isopropylbenzene	105	9.999	9.999	(1.087)	2818631	100.000	101	9650
$ 98	Bromofluorobenzene	174	10.244	10.244	(1.113)	272697	50.0000	50.5	9495
102	Bromobenzene	77	10.336	10.336	(0.922)	1209503	100.000	97.2	9174
103	n-Propylbenzene	91	10.349	10.349	(0.923)	3537319	100.000	97.9	9139
101	1,1,2,2-Tetrachloroethane++	83	10.415	10.415	(0.929)	516769	100.000	102	9667
105	2-Chlorotoluene	91	10.488	10.488	(0.936)	2207819	100.000	98.0	8911
107	1,3,5-Trimethylbenzene	105	10.514	10.514	(0.938)	2362797	100.000	98.3	
104	1,2,3-Trichloropropane	75	10.534	10.534	(0.940)	548324	100.000	107	7841
106	trans-1,4-Dichloro-2-Butene	53	10.567	10.567	(0.943)	91965	100.000	103	8935
108	4-Chlorotoluene	91	10.633	10.633	(0.949)	1924073	100.000	97.1	9628
109	tert-butylbenzene	91	10.792	10.792	(0.963)	1323451	100.000	97.6	9519
110	1,2,4-Trimethylbenzene	105	10.851	10.851	(0.968)	2340319	100.000	98.0	
112	sec-Butylbenzene	105	10.943	10.943	(0.976)	3166216	100.000	96.4	
113	p-Isopropyltoluene	119	11.062	11.062	(0.987)	2571973	100.000	96.9	9575
114	1,3-Dichlorobenzene	146	11.141	11.141	(0.994)	1089904	100.000	98.6	
* 115	1,4-DICHLOROBENZENE-D4	152	11.207	11.207	(1.000)	349345	50.0000		8978
117	1,4-Dichlorobenzene	146	11.221	11.221	(1.001)	1109910	100.000	96.6	
119	n-Butylbenzene	91	11.439	11.439	(1.021)	2411115	100.000	101	9666
120	1,2-Dichlorobenzene	146	11.617	11.617	(1.037)	986045	100.000	101	
121	1,2-Dibromo-3-Chloropropane	157	12.462	12.462	(1.112)	60929	100.000	98.0	9147
124	Hexachlorobutadiene	225	13.234	13.234	(1.181)	410654	100.000	100	9341
123	1,2,4-Trichlorobenzene	180	13.287	13.287	(1.186)	552732	100.000	109	
125	Napthalene	128	13.670	13.670	(1.220)	980784	100.000	104	9701
126	1,2,3-Trichlorobenzene	180	13.861	13.861	(1.237)	508776	100.000	109	
M 127	TOTAL XYLENE	106				3359722	300.000	302	0

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.

170281

Data File: /var/chem/msv0.i/2080607p.b/x8805.d

Page 1

Date : 07-JUN-2008 23:45

Client ID: VOSTD100

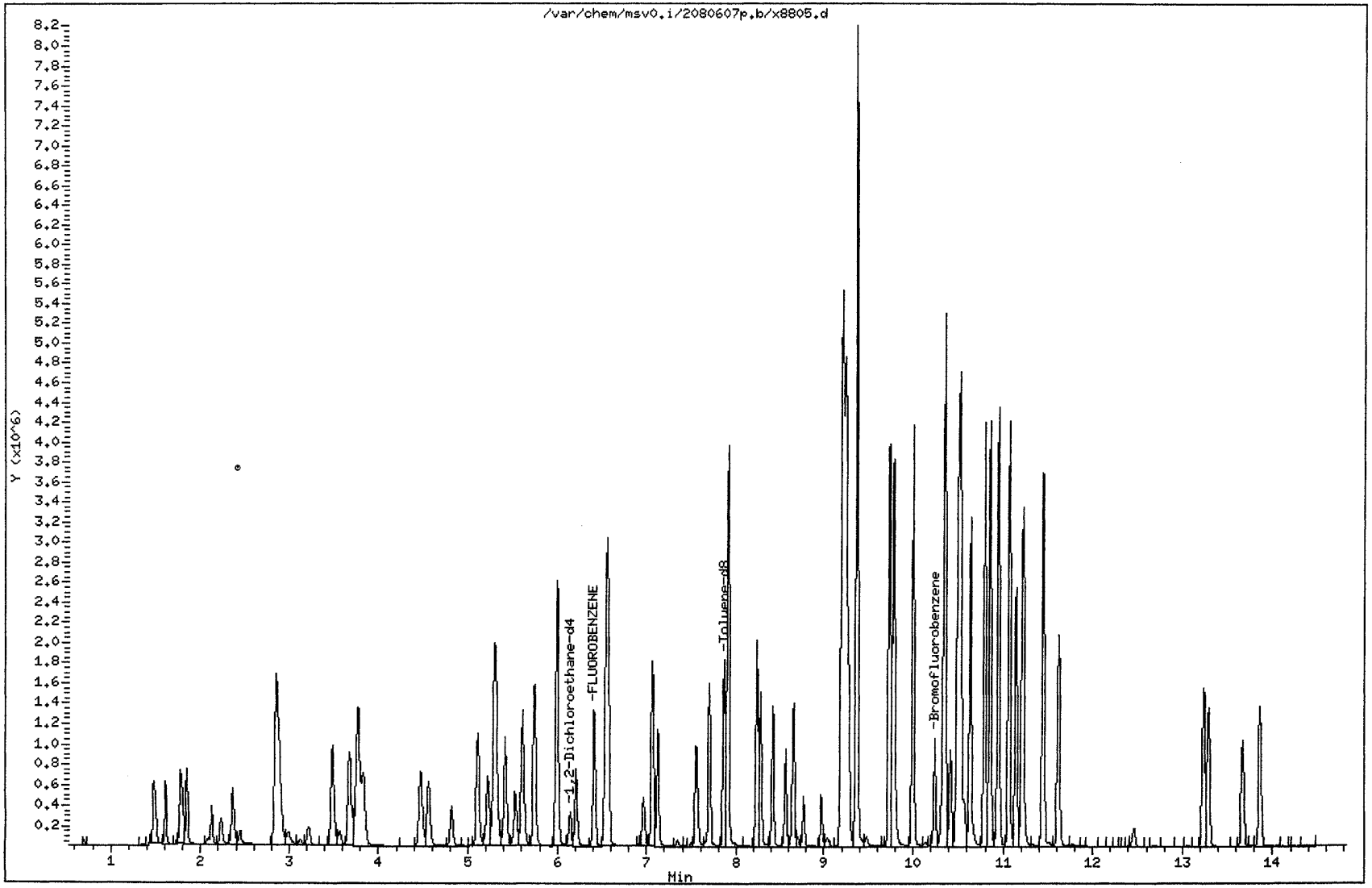
Instrument: msv0.i

Sample Info: 1204*VOSTD100*6-23-8

Operator: JCK

Column phase: DB-624-30M

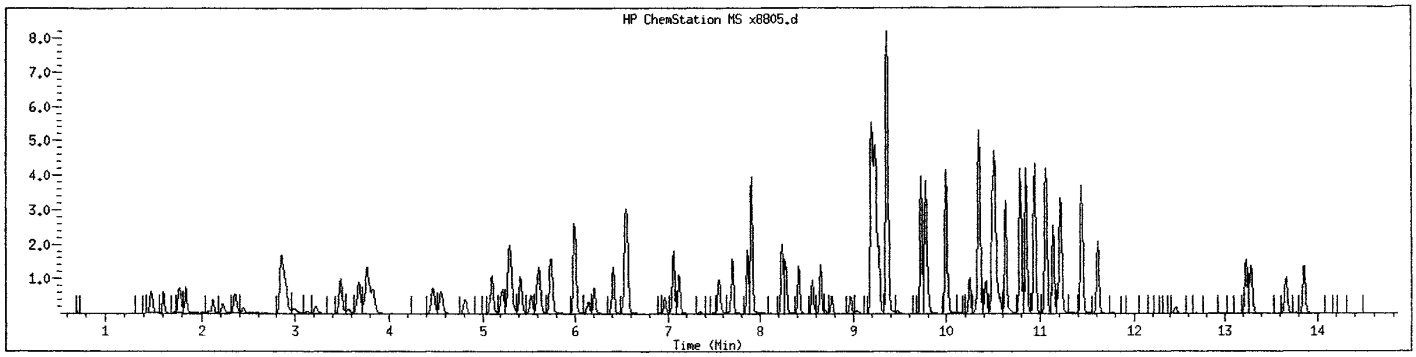
Column diameter: 0.53



Data file : /var/chem/msv0.i/2080607p.b/x8805.d
Report Date: 06/08/2008 23:13

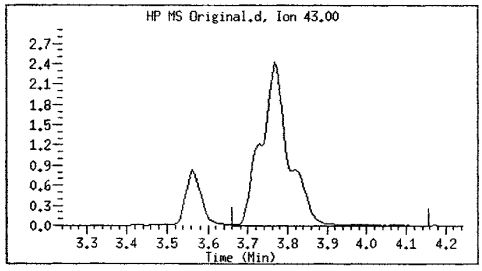
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1204	SampleType	: CALIB_4
Injection Date	: 06/07/2008 23:45	Instrument	: msv0.i
Operator	: JCK		
Sample Info	: 1204*V0STD100*6-23-8		
Misc Info	: MSV~13439~*1*JCK		
Method	: /var/chem/msv0.i/2080607p.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



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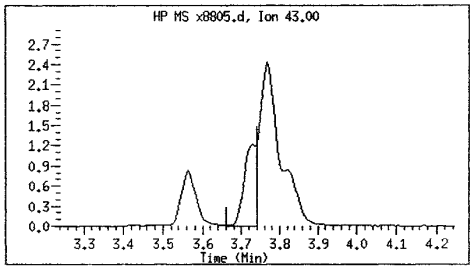
Applied

User: root
Date: 06/08/2008 11:36



M2 - Target system integrated incorrectly

170283

GCAL, Inc.

Data file : /var/chem/msv0.i/2080607p.b/x8806.d
Lab Smp Id: 1205 Client Smp ID: V0STD200
Inj Date : 08-JUN-2008 00:07
Operator : JCK Inst ID: msv0.i
Smp Info : 1205*V0STD200*6-23-8
Misc Info : MSV~13439~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Meth Date : 08-Jun-2008 23:13 root Quant Type: ISTD
Cal Date : 08-JUN-2008 00:07 Cal File: x8806.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	1.601	1.601	(0.250)	1034575	200.000	195	9583
2 Chloromethane ++	50	1.766	1.766	(0.275)	2440362	200.000	206	9819
4 Vinyl Chloride +	62	1.839	1.839	(0.287)	1368548	200.000	197	9780
5 Bromomethane	94	2.116	2.116	(0.330)	584613	200.000	200	9555
6 Chloroethane	64	2.222	2.222	(0.346)	489088	200.000	150	9068
7 Trichlorofluoromethane	101	2.354	2.354	(0.367)	1156698	200.000	185	9609
11 1,1-Dichloroethene +	96	2.843	2.843	(0.443)	919148	200.000	183	8861
14 Carbon Disulfide	76	2.856	2.856	(0.445)	3481608	200.000	180	7922
9 1,1,2Trichlotrifluoroethane	101	2.889	2.889	(0.450)	970333	200.000	187	9302
13 Methyl Iodide	142	2.988	2.988	(0.466)	387552	200.000	135	7591
10 Acrolein	56	3.219	3.219	(0.502)	442200	1000.00	872	9743(A)
18 Methylene Chloride	49	3.483	3.483	(0.543)	1811730	200.000	186	8690
12 Acetone	43	3.562	3.562	(0.555)	385399	200.000	196	9354

170284

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.674	3.674	(0.573)	1790342	200.000	201	0(M1)
	16 Methyl Acetate	43	3.740	3.740	(0.583)	568791	200.000	199	3644(M2)
	23 Hexane	57	3.767	3.767	(0.587)	2253501	200.000	184	9125
	20 MTBE	73	3.833	3.833	(0.598)	1782544	200.000	186	9123
	26 1,1-Dichloroethane ++	63	4.467	4.467	(0.696)	2273732	200.000	204	9508
	22 Acrylonitrile	53	4.559	4.559	(0.711)	1396120	1000.00	1010	9885(A)
	27 Vinyl Acetate	43	4.817	4.817	(0.751)	1533289	200.000	186	
	30 cis-1,2-Dichloroethene	61	5.100	5.100	(0.795)	1779406	200.000	197	9365
	29 2,2-Dichloropropane	77	5.219	5.219	(0.814)	1195039	200.000	224	9199
	39 Cyclohexane	56	5.292	5.292	(0.825)	2362142	200.000	191	7816
	34 Bromochloromethane	128	5.318	5.318	(0.829)	527592	200.000	234	8622
	38 Chloroform +	83	5.411	5.411	(0.844)	2025958	200.000	184	9285
	42 Carbon Tetrachloride	117	5.530	5.530	(0.862)	848195	200.000	214	9692
$	41 Dibromofluoromethane	111	5.602	5.602	(0.873)	302908	50.0000	49.2	7073
	40 1,1,1-Trichloroethane	97	5.609	5.609	(0.874)	1512691	200.000	206	7098
	43 1,1-Dichloropropene	75	5.741	5.741	(0.895)	1665956	200.000	196	8507
	31 2-Butanone	43	5.761	5.761	(0.898)	408673	200.000	200	
	46 Benzene	78	5.998	5.998	(0.935)	4758156	200.000	191	9123
$	47 1,2-Dichloroethane-d4	67	6.144	6.144	(0.958)	121312	50.0000	43.8	9478
	48 1,2-Dichloroethane	62	6.210	6.210	(0.968)	1321626	200.000	196	9611
*	49 FLUOROBENZENE	96	6.414	6.414	(1.000)	1237157	50.0000		9626
	52 Methyl cyclohexane	83	6.546	6.546	(1.021)	2002706	200.000	187	7332
	50 Trichloroethene	130	6.566	6.566	(1.024)	1306765	200.000	198	9062
	58 Dibromomethane	93	6.962	6.962	(1.085)	428885	200.000	198	9642
	54 1,2-Dichloropropane +	63	7.061	7.061	(1.101)	1452968	200.000	196	9553
	61 Bromodichloromethane	83	7.127	7.127	(1.111)	1468701	200.000	200	9455
	64 1-Bromo-2-chloroethane	63	7.556	7.556	(1.178)	1678533	200.000	176	9518
	65 cis-1,3-Dichloropropene	75	7.702	7.702	(1.201)	1815747	200.000	208	
$	67 Toluene-d8	98	7.860	7.860	(0.854)	1155666	50.0000	52.7	9518
	68 Toluene +	91	7.906	7.906	(0.859)	5358026	200.000	192	9472
	66 4-methyl-2-pentanone	43	8.256	8.256	(1.287)	1010504	200.000	187	
	78 Tetrachloroethene	164	8.236	8.236	(0.895)	937206	200.000	209	5815
	71 trans-1,3-Dichloropropene	75	8.276	8.276	(0.899)	1461517	200.000	235	
	76 1,1,2-Trichloroethane	97	8.415	8.415	(0.914)	888023	200.000	217	9485
	81 Dibromochloromethane	129	8.567	8.567	(0.930)	1104928	200.000	228	9584
	79 1,3-Dichloropropane	76	8.652	8.652	(0.940)	1559709	200.000	211	9051
	83 1,2-Dibromoethane(EDB)	107	8.771	8.771	(0.953)	747270	200.000	212	9695
	80 2-Hexanone	43	8.976	8.976	(0.975)	779141	200.000	194	9649
	84 1-Chlorohexane	91	9.200	9.200	(1.434)	2066160	200.000	180	3552(M2)
*	85 Chlorobenzene-d5	82	9.207	9.207	(1.000)	510291	50.0000		9009
	86 Chlorobenzene ++	112	9.220	9.220	(1.001)	3412325	200.000	203	8890
	87 Ethylbenzene +	106	9.247	9.247	(1.004)	1872814	200.000	199	9296
	89 1,1,1,2-Tetrachloroethane	133	9.273	9.273	(1.007)	1036052	200.000	219	9522
M	75 Total 1,2-Dichloroethene	61				3569748	400.000	398	0
	90 p,m-Xylene	106	9.365	9.365	(1.017)	4496097	400.000	389	9541
M	77 1-3 Dichloropropene-Total	100				3277264	400.000	443	0
	91 o-Xylene	106	9.735	9.735	(1.057)	2300431	200.000	205	

170285

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
92	Styrene	104	9.781	9.781	(1.062)	3773312	200.000	209	9578
95	Bromoform ++	173	9.801	9.801	(1.065)	542567	200.000	230	6470
96	Isopropylbenzene	105	9.999	9.999	(1.086)	5752002	200.000	200	9684
$ 98	Bromofluorobenzene	174	10.243	10.243	(1.113)	293366	50.0000	52.9	9496
102	Bromobenzene	77	10.336	10.336	(0.922)	2453899	200.000	189	8909
103	n-Propylbenzene	91	10.356	10.356	(0.924)	7169417	200.000	190	8555
101	1,1,2,2-Tetrachloroethane++	83	10.415	10.415	(0.929)	1051089	200.000	200	9661
105	2-Chlorotoluene	91	10.488	10.488	(0.936)	4476976	200.000	191	8841
107	1,3,5-Trimethylbenzene	105	10.514	10.514	(0.938)	4795394	200.000	192	
104	1,2,3-Trichloropropane	75	10.541	10.541	(0.941)	1155724	200.000	217	9209
106	trans-1,4-Dichloro-2-Butene	53	10.567	10.567	(0.943)	234766	200.000	200	8981
108	4-Chlorotoluene	91	10.633	10.633	(0.949)	3932916	200.000	191	9612
109	tert-butylbenzene	91	10.791	10.791	(0.963)	2663391	200.000	189	9526
110	1,2,4-Trimethylbenzene	105	10.851	10.851	(0.968)	4776111	200.000	192	
112	sec-Butylbenzene	105	10.943	10.943	(0.976)	6377654	200.000	186	
113	p-Isopropyltoluene	119	11.062	11.062	(0.987)	5256749	200.000	190	9599
114	1,3-Dichlorobenzene	146	11.141	11.141	(0.994)	2252253	200.000	196	
* 115	1,4-DICHLOROBENZENE-D4	152	11.207	11.207	(1.000)	363902	50.0000		9270
117	1,4-Dichlorobenzene	146	11.221	11.221	(1.001)	2308545	200.000	193	
119	n-Butylbenzene	91	11.445	11.445	(1.021)	4977303	200.000	199	9724
120	1,2-Dichlorobenzene	146	11.617	11.617	(1.037)	2029415	200.000	199	
121	1,2-Dibromo-3-Chloropropane	157	12.462	12.462	(1.112)	133255	200.000	202	9138
124	Hexachlorobutadiene	225	13.241	13.241	(1.181)	894016	200.000	210	9286
123	1,2,4-Trichlorobenzene	180	13.287	13.287	(1.186)	1235690	200.000	234	
125	Napthalene	128	13.670	13.670	(1.220)	2285052	200.000	199	9698
126	1,2,3-Trichlorobenzene	180	13.861	13.861	(1.237)	1133650	200.000	233	
M 127	TOTAL XYLENE	106				6796528	600.000	594	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.

170286

Data File: /var/chem/msv0.i/2080607p.b/x8806.d

Date : 08-JUN-2008 00:07

Client ID: V0STD200

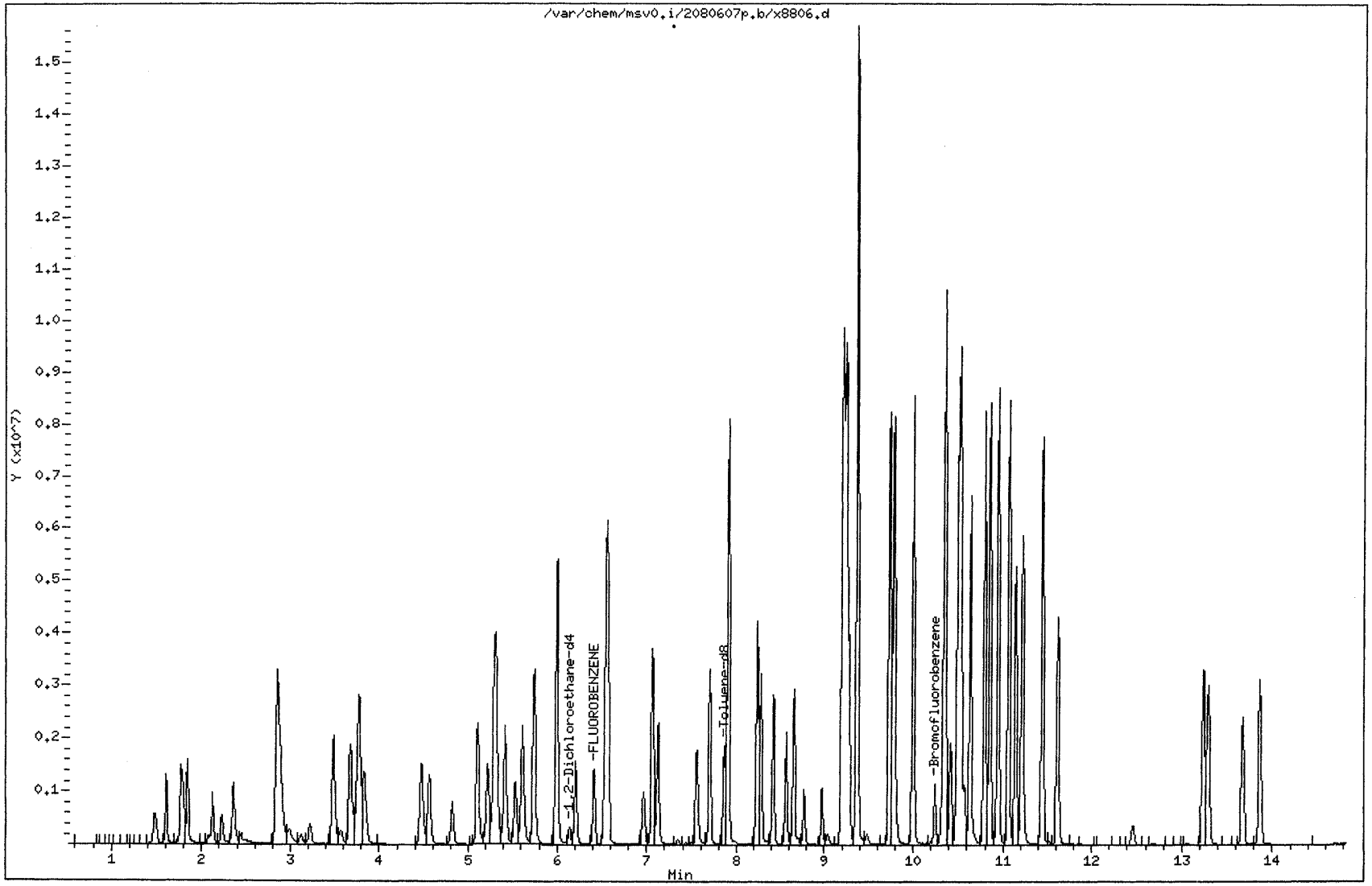
Instrument: msv0.i

Sample Info: 1205*V0STD200*6-23-8

Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53

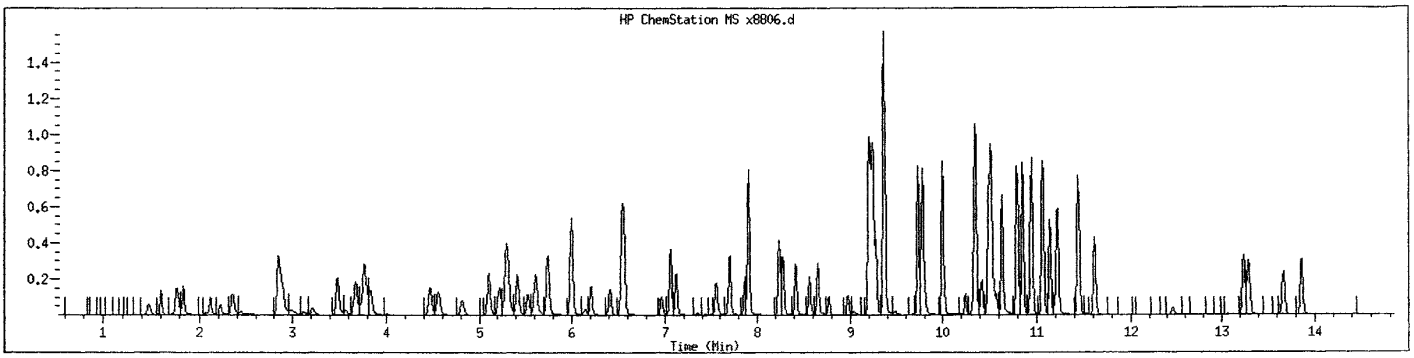


Data file : /var/chem/msv0.i/2080607p.b/x8806.d
Report Date: 06/08/2008 23:13

MANUAL INTEGRATION GRAPHIC REPORT

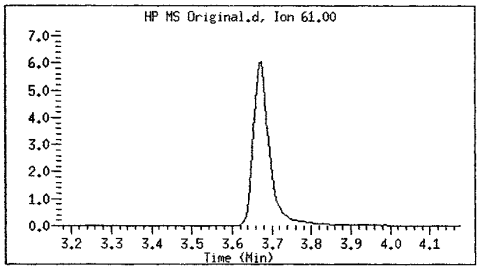
Lab ID : 1205
Injection Date: 06/08/2008 00:07
Operator : JCK
Sample Info : 1205*V0STD200*6-23-8
Misc Info : MSV~13439~*1*JCK
Method : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE

SampleType : CALIB_5
Instrument : msv0.i
Compound Sublist: 8260b



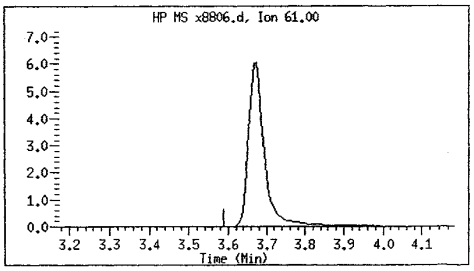
Original Final

21 trans-1,2-Dichloroethene CAS#: 156-60-5 Reason: M1

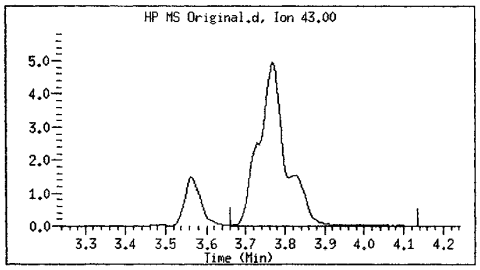


Electronic Signature Applied

User: root
Date: 06/08/2008 11:37

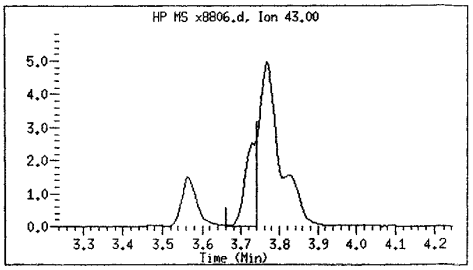


16 Methyl Acetate CAS#: 79-20-9 Reason: M2



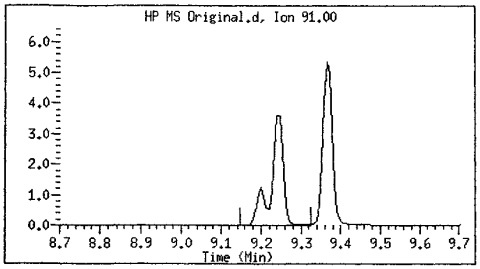
Electronic Signature Applied

User: root
Date: 06/08/2008 11:37



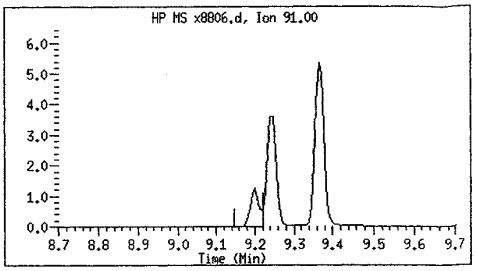
Original Final

84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



Electronic Signature Applied

User: root
Date: 06/08/2008 11:38



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

170289

Data File: /var/chem/msv0.i/2080607p.b/x8809.d
Report Date: 12-Jun-2008 16:30

GCAL, Inc.

RECOVERY REPORT

Client Name:
Client SDG: 2080607p
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/2080607p.b/8260Bs0.m
Misc Info: MSV~13439~*1*JCK

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1 Dichlorodifluoromethane	50.0	46.3	92.68	60-140
2 Chloromethane ++	50.0	48.7	97.33	70-130
4 Vinyl Chloride +	50.0	48.9	97.80	70-130
5 Bromomethane	50.0	60.4	120.79	70-130
6 Chloroethane	50.0	64.2	128.49	70-130
7 Trichlorofluoromethane	50.0	56.1	112.22	70-130
11 1,1-Dichloroethene +	50.0	53.1	106.10	70-130
14 Carbon Disulfide	50.0	49.3	98.59	70-130
9 1,1,2Trichlotrifluoroethane	50.0	47.5	94.92	70-130
13 Methyl Iodide	50.0	71.4	142.80*	70-130
10 Acrolein	250	231	92.44	60-140
18 Methylene Chloride	50.0	45.1	90.10	70-130
12 Acetone	50.0	50.5	101.01	70-130
21 trans-1,2-Dichloroethene	50.0	49.2	98.48	70-130
16 Methyl Acetate	50.0	52.9	105.74	70-130
23 Hexane	50.0	42.6	85.18	70-130
20 MTBE	50.0	47.9	95.76	70-130
26 1,1-Dichloroethane ++	50.0	51.1	102.20	70-130
22 Acrylonitrile	250	257	102.73	60-140
27 Vinyl Acetate	50.0	43.0	86.08	60-140
30 cis-1,2-Dichloroethene	50.0	50.0	100.09	70-130
29 2,2-Dichloropropane	50.0	42.3	84.54	70-130
39 Cyclohexane	50.0	46.9	93.76	70-130
34 Bromochloromethane	50.0	53.6	107.23	70-130
38 Chloroform +	50.0	47.1	94.16	70-130
42 Carbon Tetrachloride	50.0	41.9	83.75	70-130
40 1,1,1-Trichloroethane	50.0	49.5	98.99	70-130
31 2-Butanone	50.0	48.1	96.20	60-140
43 1,1-Dichloropropene	50.0	47.1	94.28	70-130
46 Benzene	50.0	49.9	99.80	70-130
48 1,2-Dichloroethane	50.0	47.1	94.17	70-130
52 Methyl cyclohexane	50.0	45.8	91.61	70-130
50 Trichloroethene	50.0	51.8	103.67	70-130

170290

SPIKE		COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
M	75	Total 1,2-Dichloroethene	100	99.3	99.29	70-130
	58	Dibromomethane	50.0	45.0	89.93	70-130
	54	1,2-Dichloropropane +	50.0	50.9	101.72	70-130
	61	Bromodichloromethane	50.0	52.1	104.15	70-130
	62	2-Chloroethyl vinyl ether	50.0	0.00	NA *	70-130
	65	cis-1,3-Dichloropropene	50.0	50.1	100.18	70-130
	68	Toluene +	50.0	47.2	94.31	70-130
	66	4-methyl-2-pentanone	50.0	46.9	93.77	60-140
	78	Tetrachloroethene	50.0	47.7	95.49	70-130
	71	trans-1,3-Dichloropropene	50.0	49.9	99.87	70-130
	76	1,1,2-Trichloroethane	50.0	52.6	105.15	70-130
	81	Dibromochloromethane	50.0	54.4	108.85	70-130
	79	1,3-Dichloropropane	50.0	50.9	101.89	70-130
	83	1,2-Dibromoethane(EDB)	50.0	49.2	98.39	70-130
	80	2-Hexanone	50.0	42.8	85.53	60-140
	84	1-Chlorohexane	50.0	48.1	96.12	70-130
	86	Chlorobenzene ++	50.0	50.3	100.61	70-130
	87	Ethylbenzene +	50.0	49.0	98.04	70-130
	89	1,1,1,2-Tetrachloroethane	50.0	49.7	99.48	70-130
	90	p,m-Xylene	100	97.4	97.40	70-130
	91	o-Xylene	50.0	50.0	100.09	70-130
	92	Styrene	50.0	50.1	100.28	70-130
	95	Bromoform ++	50.0	53.1	106.27	70-130
	96	Isopropylbenzene	50.0	48.8	97.64	70-130
	102	Bromobenzene	50.0	48.6	97.14	70-130
	103	n-Propylbenzene	50.0	46.7	93.41	70-130
	101	1,1,2,2-Tetrachloroethane++	50.0	48.9	97.82	70-130
	105	2-Chlorotoluene	50.0	48.0	95.91	70-130
	107	1,3,5-Trimethylbenzene	50.0	48.2	96.35	70-130
	104	1,2,3-Trichloropropane	50.0	50.7	101.40	70-130
	106	trans-1,4-Dichloro-2-Butene	50.0	45.7	91.45	70-130
	108	4-Chlorotoluene	50.0	46.6	93.21	70-130
	109	tert-butylbenzene	50.0	47.2	94.34	70-130
	110	1,2,4-Trimethylbenzene	50.0	48.1	96.14	70-130
	112	sec-Butylbenzene	50.0	46.4	92.85	70-130
	113	p-Isopropyltoluene	50.0	46.6	93.11	70-130
	114	1,3-Dichlorobenzene	50.0	48.5	97.06	70-130
M	127	TOTAL XYLENE	150	147	98.30	70-130
	117	1,4-Dichlorobenzene	50.0	50.1	100.11	70-130
	119	n-Butylbenzene	50.0	46.7	93.39	70-130
	120	1,2-Dichlorobenzene	50.0	49.8	99.63	70-130
	121	1,2-Dibromo-3-Chloropropane	50.0	47.0	93.91	60-140
	124	Hexachlorobutadiene	50.0	47.7	95.45	70-130
	123	1,2,4-Trichlorobenzene	50.0	49.9	99.78	70-130
	126	1,2,3-Trichlorobenzene	50.0	51.2	102.36	70-130

170291

GCAL, Inc.

RECOVERY REPORT

Client Name:
Client SDG: 2080607p
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/2080607p.b/8260Bs0.m
Misc Info: MSV~13439~*1*JCK

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 41 Dibromofluoromethane	50.0	51.0	101.92	65-130
$ 47 1,2-Dichloroethane-d4	50.0	47.7	95.38	62-125
$ 67 Toluene-d8	50.0	51.4	102.82	71-132
$ 98 Bromofluorobenzene	50.0	52.2	104.41	62-127

170292

GCAL, Inc.

Data file : /var/chem/msv0.i/2080607p.b/x8809.d
Lab Smp Id: 1600 Client Smp ID: 8260ICV
Inj Date : 08-JUN-2008 01:15
Operator : JCK Inst ID: msv0.i
Smp Info : 1600*8260ICV
Misc Info : MSV~13439~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080607p.b/8260Bs0.m
Meth Date : 12-Jun-2008 16:30 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 00:07 Cal File: x8806.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)	FINAL (ug/Kg)	SIMILARITY
1 Dichlorodifluoromethane	85	1.604	1.601	(0.250)	242542	46.3406	46.3	9293
2 Chloromethane ++	50	1.789	1.766	(0.279)	570309	48.6674	48.7	7305
4 Vinyl Chloride +	62	1.841	1.839	(0.287)	335413	48.8999	48.9	9279
5 Bromomethane	94	2.119	2.116	(0.331)	141179	60.3934	60.4	9584
6 Chloroethane	64	2.231	2.222	(0.348)	207058	64.2427	64.2	8856
7 Trichlorofluoromethane	101	2.363	2.354	(0.369)	346604	56.1090	56.1	9722
11 1,1-Dichloroethene +	96	2.845	2.843	(0.444)	262722	53.0505	53.1	8093
14 Carbon Disulfide	76	2.865	2.856	(0.447)	940358	49.2966	49.3	8035
9 1,1,2Trichlotrifluoroethane	101	2.891	2.889	(0.451)	243012	47.4619	47.5	8493
13 Methyl Iodide	142	3.003	2.988	(0.469)	201974	71.4001	71.4	8039(R)
10 Acrolein	56	3.208	3.219	(0.500)	115838	231.108	231	9082
18 Methylene Chloride	49	3.485	3.483	(0.544)	433544	45.0521	45.1	8842
12 Acetone	43	3.551	3.562	(0.554)	116359	50.5065	50.5	8732

170293

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.670	3.674	(0.573)	433375	49.2417	49.2	9029
	16 Methyl Acetate	43	3.716	3.740	(0.580)	167434	52.8697	52.9	6096
	23 Hexane	57	3.769	3.767	(0.588)	516125	42.5885	42.6	9107
	20 MTBE	73	3.815	3.833	(0.595)	453214	47.8779	47.9	8678
	26 1,1-Dichloroethane ++	63	4.469	4.467	(0.697)	562088	51.0984	51.1	9445
	22 Acrylonitrile	53	4.555	4.559	(0.711)	349995	256.829	257	9742
	27 Vinyl Acetate	43	4.806	4.817	(0.750)	350150	43.0387	43.0	
	30 cis-1,2-Dichloroethene	61	5.103	5.100	(0.796)	447666	50.0456	50.0	9411
	29 2,2-Dichloropropane	77	5.215	5.219	(0.814)	222801	42.2709	42.3	9020
	39 Cyclohexane	56	5.288	5.292	(0.825)	574176	46.8785	46.9	7536
	34 Bromochloromethane	128	5.314	5.318	(0.829)	119245	53.6138	53.6	9299
	38 Chloroform +	83	5.413	5.411	(0.844)	512783	47.0776	47.1	9321
	42 Carbon Tetrachloride	117	5.525	5.530	(0.862)	163920	41.8761	41.9	9687
$	41 Dibromofluoromethane	111	5.605	5.602	(0.874)	309823	50.9600	51.0	9690
	40 1,1,1-Trichloroethane	97	5.611	5.609	(0.875)	360122	49.4969	49.5	9725
	43 1,1-Dichloropropene	75	5.737	5.741	(0.895)	397047	47.1392	47.1	8600
	31 2-Butanone	43	5.750	5.761	(0.897)	104964	48.0989	48.1	
	46 Benzene	78	5.994	5.998	(0.935)	1225880	49.8998	49.9	9162
$	47 1,2-Dichloroethane-d4	67	6.139	6.144	(0.958)	130644	47.6902	47.7	9513
	48 1,2-Dichloroethane	62	6.205	6.210	(0.968)	313312	47.0826	47.1	9696
*	49 FLUOROBENZENE	96	6.410	6.414	(1.000)	1222843	50.0000		9652
	52 Methyl cyclohexane	83	6.542	6.546	(1.021)	485418	45.8069	45.8	6914
	50 Trichloroethene	130	6.562	6.566	(1.024)	338389	51.8325	51.8	9474
	58 Dibromomethane	93	6.965	6.962	(1.087)	96277	44.9643	45.0	9711
	54 1,2-Dichloropropane +	63	7.064	7.061	(1.102)	372331	50.8603	50.9	9556
	61 Bromodichloromethane	83	7.123	7.127	(1.111)	377757	52.0741	52.1	9416
	64 1-Bromo-2-chloroethane	63	7.552	7.556	(1.178)	492579	52.1211	52.1	9429
	65 cis-1,3-Dichloropropene	75	7.697	7.702	(1.201)	433205	50.0892	50.1	
$	67 Toluene-d8	98	7.862	7.860	(0.854)	1179806	51.4081	51.4	9615
	68 Toluene +	91	7.909	7.906	(0.859)	1378780	47.1566	47.2	9456
	66 4-methyl-2-pentanone	43	8.252	8.256	(1.287)	250906	46.8850	46.9	
	78 Tetrachloroethene	164	8.232	8.236	(0.895)	224262	47.7472	47.7	5620
	71 trans-1,3-Dichloropropene	75	8.278	8.276	(0.900)	324415	49.9341	49.9	
	76 1,1,2-Trichloroethane	97	8.417	8.415	(0.915)	225502	52.5774	52.6	9528
	81 Dibromochloromethane	129	8.562	8.567	(0.930)	275407	54.4231	54.4	9567
	79 1,3-Dichloropropane	76	8.655	8.652	(0.940)	394783	50.9443	50.9	9101
	83 1,2-Dibromoethane(EDB)	107	8.767	8.771	(0.953)	181580	49.1939	49.2	9691
	80 2-Hexanone	43	8.972	8.976	(0.975)	179718	42.7647	42.8	9621
	84 1-Chlorohexane	91	9.196	9.200	(1.435)	545772	48.0615	48.1	7637
*	85 Chlorobenzene-d5	82	9.203	9.207	(1.000)	533937	50.0000		7558
	86 Chlorobenzene ++	112	9.222	9.220	(1.002)	885986	50.3056	50.3	8736
	87 Ethylbenzene +	106	9.242	9.247	(1.004)	481949	49.0200	49.0	9449
	89 1,1,1,2-Tetrachloroethane	133	9.275	9.273	(1.008)	246636	49.7411	49.7	9535
M	75 Total 1,2-Dichloroethene	61				881041	99.2873	99.3	0
	90 p,m-Xylene	106	9.368	9.365	(1.018)	1177076	97.4000	97.4	9522
M	77 1-3 Dichloropropene-Total	100				757620	100.023	100	0
	91 o-Xylene	106	9.731	9.735	(1.057)	587092	50.0475	50.0	

170294

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
	92 Styrene	104	9.784	9.781	(1.063)	946069	50.1403	50.1	9524
	95 Bromoform ++	173	9.803	9.801	(1.065)	130940	53.1340	53.1	6904
	96 Isopropylbenzene	105	10.001	9.999	(1.087)	1468324	48.8189	48.8	9658
$	98 Bromofluorobenzene	174	10.246	10.243	(1.113)	303093	52.2039	52.2	9567
	102 Bromobenzene	77	10.338	10.336	(0.922)	654592	48.5686	48.6	9117
	103 n-Propylbenzene	91	10.351	10.356	(0.923)	1828031	46.7038	46.7	9114
	101 1,1,2,2-Tetrachloroethane++	83	10.411	10.415	(0.929)	267262	48.9093	48.9	9524
	105 2-Chlorotoluene	91	10.490	10.488	(0.936)	1169523	47.9572	48.0	8928
	107 1,3,5-Trimethylbenzene	105	10.516	10.514	(0.938)	1254190	48.1763	48.2	
	104 1,2,3-Trichloropropane	75	10.536	10.541	(0.940)	280510	50.7018	50.7	8025
	106 trans-1,4-Dichloro-2-Butene	53	10.569	10.567	(0.943)	38997	45.7268	45.7	8898
	108 4-Chlorotoluene	91	10.635	10.633	(0.949)	999849	46.6045	46.6	9601
	109 tert-butylbenzene	91	10.794	10.791	(0.963)	692422	47.1701	47.2	9479
	110 1,2,4-Trimethylbenzene	105	10.853	10.851	(0.968)	1243111	48.0702	48.1	
	112 sec-Butylbenzene	105	10.946	10.943	(0.976)	1651736	46.4263	46.4	
	113 p-Isopropyltoluene	119	11.064	11.062	(0.987)	1338992	46.5572	46.6	9553
	114 1,3-Dichlorobenzene	146	11.144	11.141	(0.994)	581104	48.5311	48.5	
*	115 1,4-DICHLOROBENZENE-D4	152	11.210	11.207	(1.000)	378340	50.0000		7702
	117 1,4-Dichlorobenzene	146	11.223	11.221	(1.001)	622594	50.0570	50.1	
	119 n-Butylbenzene	91	11.447	11.445	(1.021)	1211564	46.6973	46.7	9695
	120 1,2-Dichlorobenzene	146	11.619	11.617	(1.036)	526958	49.8161	49.8	
	121 1,2-Dibromo-3-Chloropropane	157	12.464	12.462	(1.112)	30248	46.9563	47.0	9093
	124 Hexachlorobutadiene	225	13.236	13.241	(1.181)	211280	47.7270	47.7	9328
	123 1,2,4-Trichlorobenzene	180	13.289	13.287	(1.186)	273687	49.8879	49.9	
	125 Napthalene	128	13.672	13.670	(1.220)	438699	46.9591	47.0	9686
	126 1,2,3-Trichlorobenzene	180	13.864	13.861	(1.237)	258911	51.1797	51.2	
M	127 TOTAL XYLENE	106				1764168	147.447	147	0

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

170295

Data File: /var/chem/msv0.i/2080607p.b/x8809.d

Date : 08-JUN-2008 01:15

Client ID: 8260ICV

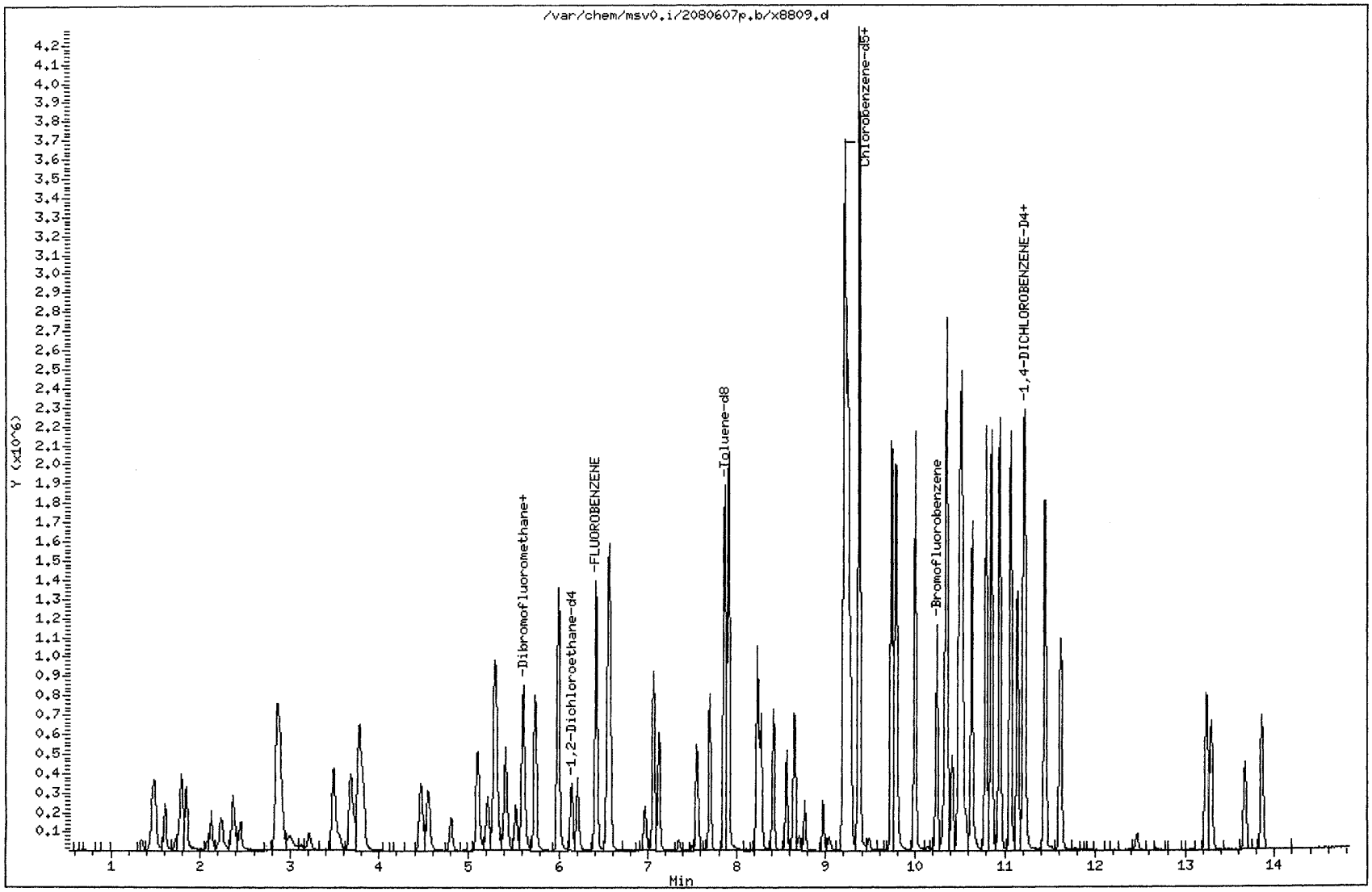
Instrument: msv0.i

Sample Info: 1600*8260ICV

Operator: JCK

Column phase: DB-624-30M

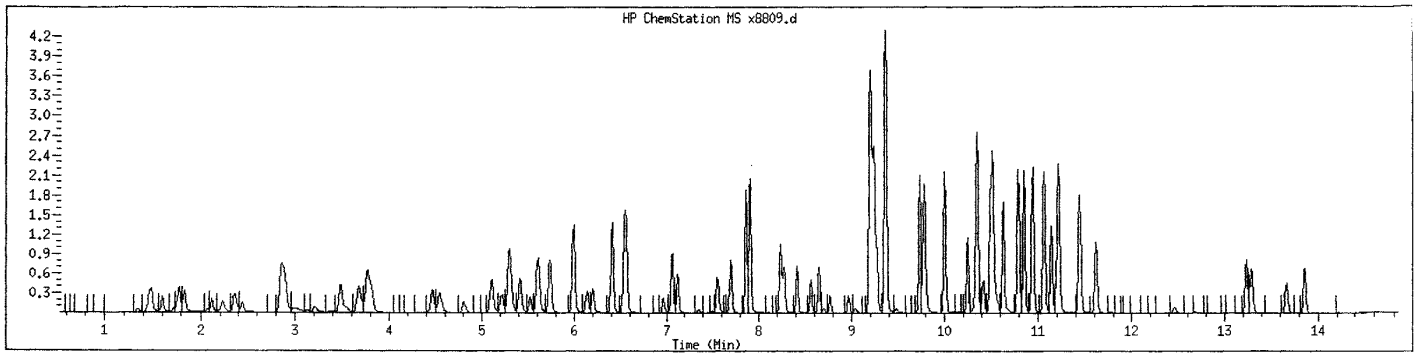
Column diameter: 0.53



Data file : /var/chem/msv0.i/2080607p.b/x8809.d
Report Date: 06/12/2008 16:30

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 06/08/2008 01:15	Instrument	: msv0.i
Operator	: JCK		
Sample Info	: 1600*8260ICV		
Misc Info	: MSV~13439~*1*JCK		
Method	: /var/chem/msv0.i/2080607p.b/8260Bs0.m		
Dilution	: 1.00		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i Injection Date: 10-JUN-2008 11:25
Lab File ID: x8869.d Init. Cal. Date(s): 07-JUN-2008 08-JUN-2008
Analysis Type: SOIL Init. Cal. Times: 21:51 00:07
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv0.i/2080610.b/8260Bs0.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	0.21401	0.25614	0.25614	0.010	19.68836	30.00000	Averaged	
2 Chloromethane ++	0.47915	0.43932	0.43932	0.100	-8.31158	50.00000	Averaged	
4 Vinyl Chloride +	0.28046	0.29876	0.29876	0.010	6.52589	20.00000	Averaged	
5 Bromomethane	64.79184	50.00000	0.12438	0.005	29.58368	0.000e+00	Quadratic	<-
6 Chloroethane	0.13179	0.11320	0.11320	0.010	-14.10511	30.00000	Averaged	
7 Trichlorofluoromethane	0.25258	0.23638	0.23638	0.010	-6.41358	30.00000	Averaged	
11 1,1-Dichloroethene +	0.20249	0.20696	0.20696	0.010	2.20868	20.00000	Averaged	
14 Carbon Disulfide	0.77997	0.77027	0.77027	0.100	-1.24331	30.00000	Averaged	
9 1,1,2Trichlotrifluoroethane	0.20935	0.22371	0.22371	0.010	6.85932	30.00000	Averaged	
13 Methyl Iodide	0.11566	0.16156	0.16156	0.010	39.67881	30.00000	Averaged	<-
10 Acrolein	0.02049	0.01879	0.01879	0.001	-8.31391	40.00000	Averaged	
18 Methylene Chloride	0.39348	0.35962	0.35962	0.100	-8.60468	30.00000	Averaged	
12 Acetone	53.40209	50.00000	0.09945	0.010	6.80417	0.000e+00	Linear	<-
21 trans-1,2-Dichloroethene	0.35986	0.37198	0.37198	0.100	3.36921	30.00000	Averaged	
16 Methyl Acetate	42.56383	50.00000	0.11422	0.010	-14.87233	0.000e+00	Linear	<-
23 Hexane	0.49552	0.52677	0.52677	0.100	6.30583	30.00000	Averaged	
20 MTBE	0.38705	0.40478	0.40478	0.100	4.57989	30.00000	Averaged	
26 1,1-Dichloroethane ++	0.44978	0.45825	0.45825	0.100	1.88411	30.00000	Averaged	
22 Acrylonitrile	0.05572	0.05381	0.05381	0.010	-3.43261	40.00000	Averaged	
27 Vinyl Acetate	0.33266	0.37873	0.37873	0.100	13.85033	30.00000	Averaged	
30 cis-1,2-Dichloroethene	0.36575	0.36134	0.36134	0.100	-1.20693	30.00000	Averaged	
29 2,2-Dichloropropane	0.21551	0.29495	0.29495	0.100	36.85717	30.00000	Averaged	<-
39 Cyclohexane	0.50081	0.52344	0.52344	0.100	4.51873	30.00000	Averaged	
34 Bromochloromethane	0.09094	0.09540	0.09540	0.050	4.90358	30.00000	Averaged	
38 Chloroform +	0.44537	0.41781	0.41781	0.100	-6.18793	20.00000	Averaged	
42 Carbon Tetrachloride	0.16005	0.21744	0.21744	0.100	35.85374	30.00000	Averaged	<-
$ 41 Dibromofluoromethane	0.24859	0.24394	0.24394	0.100	-1.87238	30.00000	Averaged	
40 1,1,1-Trichloroethane	0.29749	0.31402	0.31402	0.100	5.55551	30.00000	Averaged	
43 1,1-Dichloropropene	0.34440	0.35857	0.35857	0.100	4.11389	30.00000	Averaged	
31 2-Butanone	55.72999	50.00000	0.09813	0.050	11.45999	0.000e+00	Linear	<-
46 Benzene	1.00450	1.03388	1.03388	0.100	2.92532	30.00000	Averaged	
$ 47 1,2-Dichloroethane-d4	0.11201	0.11159	0.11159	0.010	-0.37943	30.00000	Averaged	
48 1,2-Dichloroethane	0.27209	0.25697	0.25697	0.100	-5.55914	30.00000	Averaged	
52 Methyl cyclohexane	0.43330	0.46248	0.46248	0.100	6.73519	30.00000	Averaged	
50 Trichloroethene	0.26694	0.28286	0.28286	0.100	5.96565	30.00000	Averaged	

170298

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i Injection Date: 10-JUN-2008 11:25
Lab File ID: x8869.d Init. Cal. Date(s): 07-JUN-2008 08-JUN-2008
Analysis Type: SOIL Init. Cal. Times: 21:51 00:07
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv0.i/2080610.b/8260Bs0.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
58 Dibromomethane	0.08755	0.08833	0.08833	0.100	0.88870	30.00000	Averaged	<-
54 1,2-Dichloropropane +	0.29933	0.30142	0.30142	0.100	0.69924	20.00000	Averaged	
61 Bromodichloromethane	0.29661	0.31127	0.31127	0.100	4.94215	30.00000	Averaged	
64 1-Bromo-2-chloroethane	0.38642	0.40693	0.40693	0.010	5.30806	30.00000	Averaged	
62 2-Chloroethyl vinyl ether	++++	0.40173	0.40173	0.010	++++	30.00000	Averaged	<-
65 cis-1,3-Dichloropropene	0.35363	0.39721	0.39721	0.100	12.32372	30.00000	Averaged	
$ 67 Toluene-d8	2.14911	2.05766	2.05766	0.100	-4.25543	30.00000	Averaged	
68 Toluene +	2.73799	2.66289	2.66289	0.100	-2.74290	20.00000	Averaged	
66 4-methyl-2-pentanone	0.21881	0.19755	0.19755	0.100	-9.71699	40.00000	Averaged	
78 Tetrachloroethene	0.43983	0.48051	0.48051	0.100	9.24793	30.00000	Averaged	
71 trans-1,3-Dichloropropene	0.60839	0.69653	0.69653	0.100	14.48720	30.00000	Averaged	
76 1,1,2-Trichloroethane	0.40163	0.40524	0.40524	0.100	0.89879	30.00000	Averaged	
81 Dibromochloromethane	0.47388	0.51574	0.51574	0.100	8.83300	30.00000	Averaged	
79 1,3-Dichloropropane	0.72568	0.73755	0.73755	0.100	1.63691	30.00000	Averaged	
83 1,2-Dibromoethane(EDB)	0.34565	0.37539	0.37539	0.100	8.60401	30.00000	Averaged	
80 2-Hexanone	0.39354	0.36250	0.36250	0.100	-7.88735	40.00000	Averaged	
84 1-Chlorohexane	0.46432	0.46619	0.46619	0.100	0.40316	30.00000	Averaged	
86 Chlorobenzene ++	1.64927	1.68698	1.68698	0.300	2.28646	50.00000	Averaged	
87 Ethylbenzene +	0.92068	0.96314	0.96314	0.100	4.61163	20.00000	Averaged	
89 1,1,1,2-Tetrachloroethane	0.46432	0.49810	0.49810	0.100	7.27464	30.00000	Averaged	
M 75 Total 1,2-Dichloroethene	0.36280	0.36666	0.36666	0.100	1.06254	30.00000	Averaged	
90 p,m-Xylene	1.13169	1.17614	1.17614	0.100	3.92786	30.00000	Averaged	
M 77 1-3 Dichloropropene-Total	0.30874	0.34850	0.34850	0.100	12.87886	30.00000	Averaged	
91 o-Xylene	1.09851	1.13327	1.13327	0.100	3.16431	30.00000	Averaged	
92 Styrene	1.76691	1.82429	1.82429	0.100	3.24719	30.00000	Averaged	
95 Bromoform ++	0.23077	0.25128	0.25128	0.100	8.88790	30.00000	Averaged	
96 Isopropylbenzene	2.81653	2.93150	2.93150	0.100	4.08187	30.00000	Averaged	
$ 98 Bromofluorobenzene	0.54369	0.54976	0.54976	0.100	1.11635	30.00000	Averaged	
102 Bromobenzene	1.78116	1.65454	1.65454	0.100	-7.10883	30.00000	Averaged	
103 n-Propylbenzene	5.17272	5.08502	5.08502	0.100	-1.69553	30.00000	Averaged	
101 1,1,2,2-Tetrachloroethane++	0.72216	0.68166	0.68166	0.300	-5.60787	30.00000	Averaged	
105 2-Chlorotoluene	3.22287	3.09451	3.09451	0.100	-3.98276	30.00000	Averaged	
107 1,3,5-Trimethylbenzene	3.44047	3.37487	3.37487	0.100	-1.90678	30.00000	Averaged	
104 1,2,3-Trichloropropane	0.73116	0.76683	0.76683	0.100	4.87852	30.00000	Averaged	
106 trans-1,4-Dichloro-2-Butene	64.45815	50.00000	0.15199	0.100	28.91629	0.000e+00	Quadratic	<-

170299

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i Injection Date: 10-JUN-2008 11:25
Lab File ID: x8869.d Init. Cal. Date(s): 07-JUN-2008 08-JUN-2008
Analysis Type: SOIL Init. Cal. Times: 21:51 00:07
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv0.i/2080610.b/8260Bs0.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
108 4-Chlorotoluene	2.83527	2.71458	2.71458	0.100	-4.25660	30.00000	Averaged	
109 tert-butylbenzene	1.93996	1.85088	1.85088	0.100	-4.59164	30.00000	Averaged	
110 1,2,4-Trimethylbenzene	3.41760	3.34115	3.34115	0.100	-2.23695	30.00000	Averaged	
112 sec-Butylbenzene	4.70180	4.58529	4.58529	0.100	-2.47794	30.00000	Averaged	
113 p-Isopropyltoluene	3.80083	3.82030	3.82030	0.100	0.51210	30.00000	Averaged	
114 1,3-Dichlorobenzene	1.58242	1.60429	1.60429	0.100	1.38233	30.00000	Averaged	
117 1,4-Dichlorobenzene	1.64372	1.68275	1.68275	0.100	2.37485	30.00000	Averaged	
119 n-Butylbenzene	3.42880	3.66474	3.66474	0.100	6.88113	30.00000	Averaged	
120 1,2-Dichlorobenzene	1.39796	1.42589	1.42589	0.100	1.99768	30.00000	Averaged	
121 1,2-Dibromo-3-Chloropropane	55.05711	50.00000	0.09494	0.100	10.11422	0.000e+00	Linear	<-
124 Hexachlorobutadiene	0.58504	0.66394	0.66394	0.100	13.48806	30.00000	Averaged	
123 1,2,4-Trichlorobenzene	0.72501	0.88533	0.88533	0.100	22.11261	30.00000	Averaged	
125 Napthalene	56.36244	50.00000	1.41847	0.100	12.72488	0.000e+00	Quadratic	<-
126 1,2,3-Trichlorobenzene	0.66856	0.79992	0.79992	0.100	19.64878	30.00000	Averaged	
M 127 TOTAL XYLENE	1.12063	1.16185	1.16185	0.100	3.67837	30.00000	Averaged	

170300

GCAL, Inc.

Data file : /var/chem/msv0.i/2080610.b/x8867.d
Lab Smp Id: 1000 Client Smp ID: V0BFB
Inj Date : 10-JUN-2008 09:58
Operator : JCK Inst ID: msv0.i
Smp Info : 1000*V0BFB
Misc Info : MSV~13461~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080610.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		
10.246	10.335 (0.000)	95	205397			100.00- 100.00	100.00
10.246	10.335 (0.000)	50	44589			15.00- 40.00	21.71
10.246	10.335 (0.000)	75	94210			30.00- 60.00	45.87
10.246	10.335 (0.000)	96	14107			5.00- 9.00	6.87
10.246	10.335 (0.000)	173	0			0.00- 2.00	0.00
10.246	10.335 (0.000)	174	140170			50.00- 120.00	68.24
10.246	10.335 (0.000)	175	9609			5.00- 9.00	6.86
10.246	10.335 (0.000)	176	136034			95.00- 101.00	97.05
10.246	10.335 (0.000)	177	8582			5.00- 9.00	6.31

170301

Data File: /var/chem/msv0.i/2080610.b/x8867.d

Date : 10-JUN-2008 09:58

Client ID: V0BFB

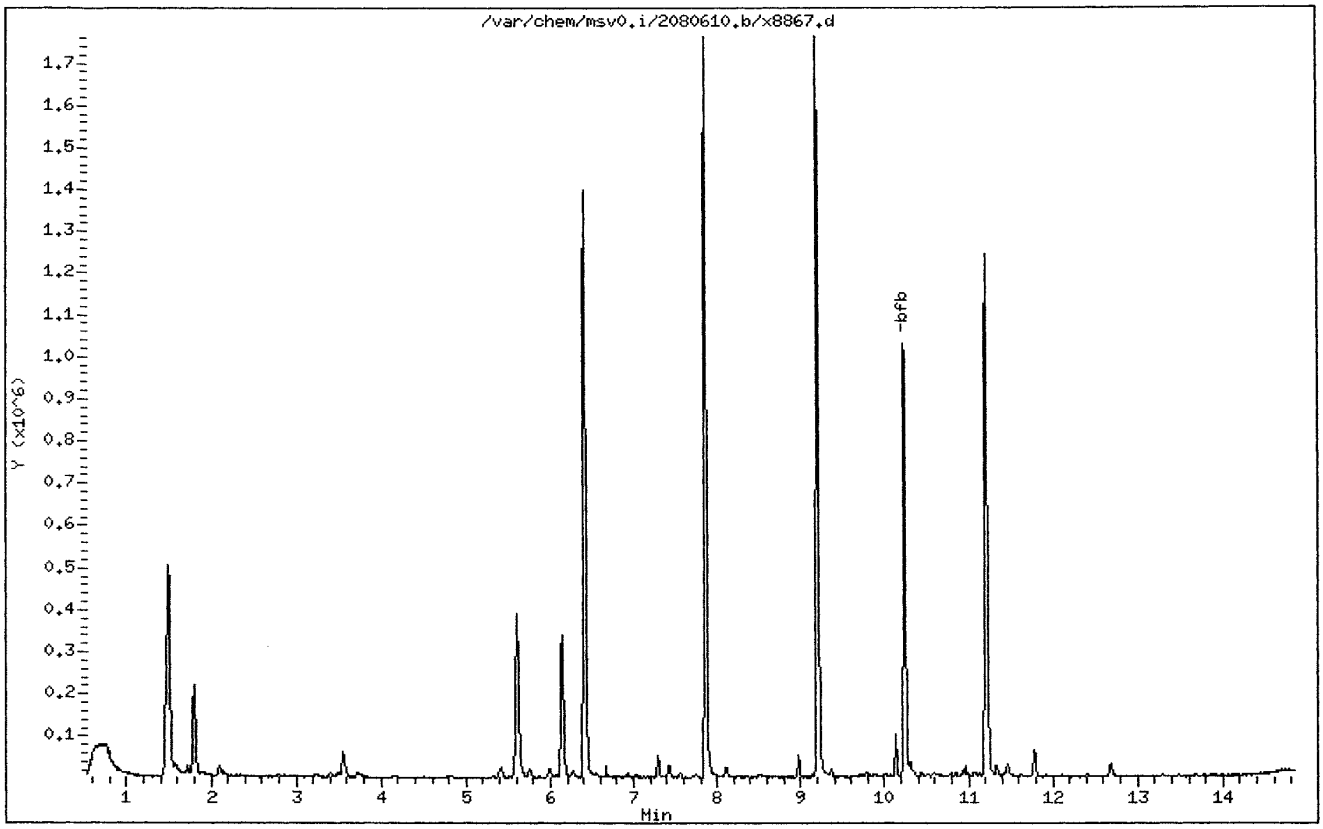
Instrument: msv0.i

Sample Info: 1000*V0BFB

Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53



170302

Data File: /var/chem/msv0.i/2080610.b/x8867.d

Date : 10-JUN-2008 09:58

Client ID: V0BFB

Instrument: msv0.i

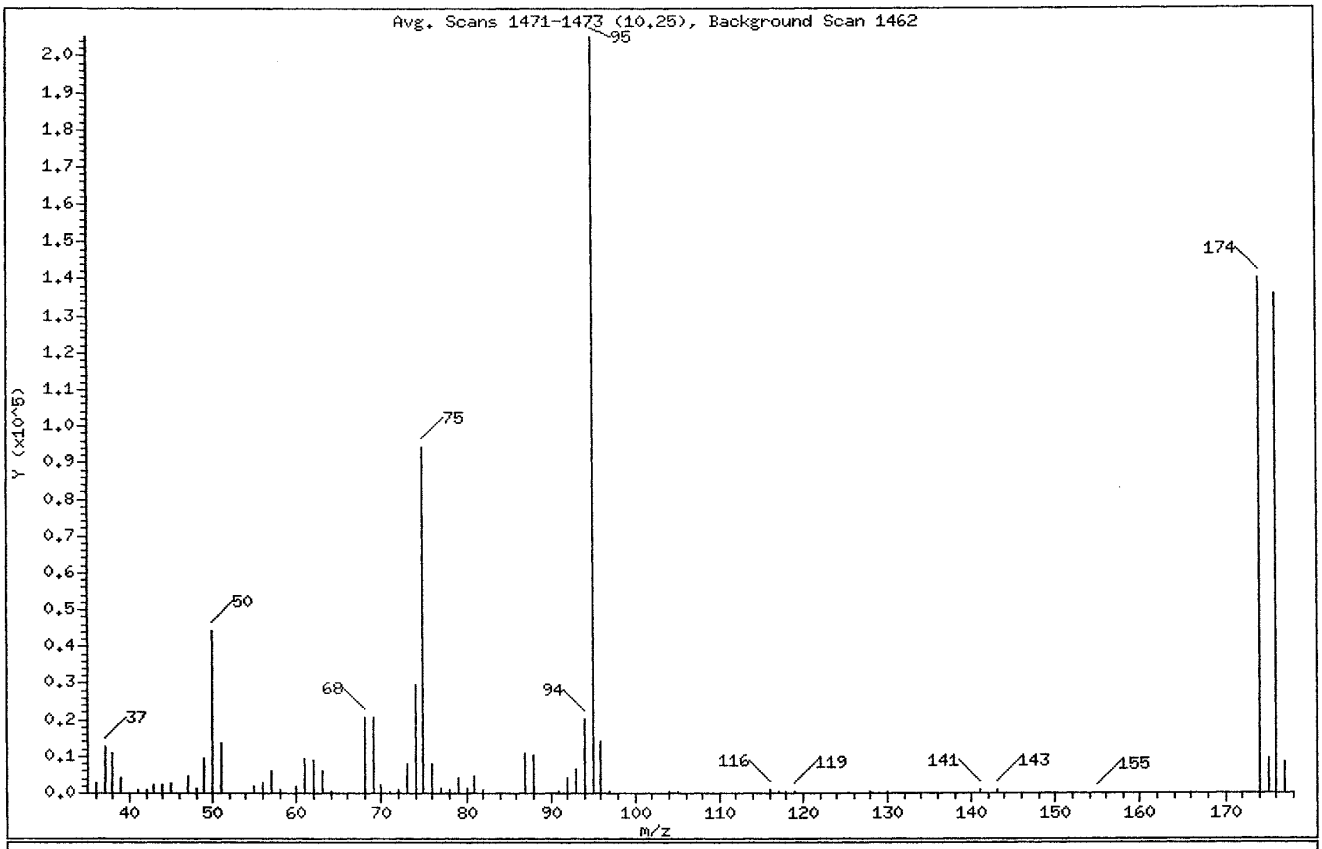
Sample Info: 1000*V0BFB

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	21.71
75	30.00 - 60.00% of mass 95	45.87
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	68.24
175	5.00 - 9.00% of mass 174	4.68 (6.86)
176	95.00 - 101.00% of mass 174	66.23 (97.05)
177	5.00 - 9.00% of mass 176	4.18 (6.31)

Data File: /var/chem/msv0.i/2080610.b/x8867.d

Date : 10-JUN-2008 09:58

Client ID: V0BFB

Instrument: msv0.i

Sample Info: 1000xV0BFB

Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53

Data File: x8867.d
Spectrum: Avg. Scans 1471-1473 (10.25), Background Scan 1462
Location of Maximum: 95.00
Number of points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2838	56.00	2956	76.00	8012	104.00	422
37.00	12808	57.00	6074	77.00	1526	105.00	262
38.00	10665	58.00	738	78.00	920	116.00	811
39.00	4015	60.00	2056	79.00	4024	117.00	509
40.00	10	61.00	9493	80.00	1183	118.00	345
41.00	1049	62.00	8912	81.00	4646	119.00	637
42.00	956	63.00	6228	82.00	893	128.00	635
43.00	2204	64.00	546	86.00	191	129.00	166
44.00	2549	67.00	229	87.00	10721	130.00	457
45.00	2735	68.00	20952	88.00	10497	141.00	1177
47.00	4651	69.00	20768	91.00	494	143.00	998
48.00	1450	70.00	2490	92.00	4078	155.00	170
49.00	9655	71.00	363	93.00	6550	174.00	140160
50.00	44584	72.00	1137	94.00	20168	175.00	9609
51.00	13525	73.00	8117	95.00	205376	176.00	136000
52.00	216	74.00	29720	96.00	14107	177.00	8582
55.00	1953	75.00	94208	97.00	278		

GCAL, Inc.

Data file : /var/chem/msv0.i/2080610.b/x8869.d
Lab Smp Id: 1400 Client Smp ID: V0STD050
Inj Date : 10-JUN-2008 11:25
Operator : JCK Inst ID: msv0.i
Smp Info : 1400*V0STD050*6-23-8
Misc Info : MSV~13461~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080610.b/8260Bs0.m
Meth Date : 10-Jun-2008 16:13 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 00:07 Cal File: x8806.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)	ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.607	1.607	(0.251)	333042	50.0000	59.8	9564
2 Chloromethane ++	50	1.779	1.779	(0.277)	571227	50.0000	45.8	9685
4 Vinyl Chloride +	62	1.845	1.845	(0.288)	388463	50.0000	53.3	9797
5 Bromomethane	94	2.122	2.122	(0.331)	161718	50.0000	64.8	9603
6 Chloroethane	64	2.228	2.228	(0.347)	147183	50.0000	42.9	9334
7 Trichlorofluoromethane	101	2.360	2.360	(0.368)	307352	50.0000	46.8	9689
11 1,1-Dichloroethene +	96	2.842	2.842	(0.443)	269102	50.0000	51.1	8724
14 Carbon Disulfide	76	2.855	2.855	(0.445)	1001533	50.0000	49.4	7874
9 1,1,2Trichlotrifluoroethane	101	2.888	2.888	(0.450)	290882	50.0000	53.4	9012
13 Methyl Iodide	142	2.987	2.987	(0.466)	210063	50.0000	69.8	0(M1)
10 Acrolein	56	3.218	3.218	(0.502)	122161	250.000	229	9497
18 Methylene Chloride	49	3.482	3.482	(0.543)	467589	50.0000	45.7	8825
12 Acetone	43	3.568	3.568	(0.556)	129308	50.0000	53.4	9355

170305

	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	3.674	3.674	(0.573)	483664	50.0000	51.7	9025
	16 Methyl Acetate	43	3.740	3.740	(0.583)	148513	50.0000	42.6	0(M2)
	23 Hexane	57	3.766	3.766	(0.587)	684923	50.0000	53.2	9112
	20 MTBE	73	3.832	3.832	(0.598)	526306	50.0000	52.3	9217
	26 1,1-Dichloroethane ++	63	4.472	4.472	(0.697)	595835	50.0000	50.9	9514
	22 Acrylonitrile	53	4.558	4.558	(0.711)	349817	250.000	241	9839
	27 Vinyl Acetate	43	4.816	4.816	(0.751)	492438	50.0000	56.9	(M1)
	30 cis-1,2-Dichloroethene	61	5.100	5.100	(0.795)	469826	50.0000	49.4	9428
	29 2,2-Dichloropropane	77	5.212	5.212	(0.813)	383500	50.0000	68.4	9211
	39 Cyclohexane	56	5.291	5.291	(0.825)	680593	50.0000	52.3	7567
	34 Bromochloromethane	128	5.318	5.318	(0.829)	124044	50.0000	52.5	8470
	38 Chloroform +	83	5.410	5.410	(0.844)	543250	50.0000	46.9	9319
	42 Carbon Tetrachloride	117	5.522	5.522	(0.861)	282722	50.0000	67.9	9641
$	41 Dibromofluoromethane	111	5.608	5.608	(0.874)	317174	50.0000	49.1	9447
	40 1,1,1-Trichloroethane	97	5.608	5.608	(0.874)	408296	50.0000	52.8	9683
	43 1,1-Dichloropropene	75	5.740	5.740	(0.895)	466220	50.0000	52.1	8484
	31 2-Butanone	43	5.760	5.760	(0.898)	127589	50.0000	55.7	
	46 Benzene	78	5.998	5.998	(0.935)	1344291	50.0000	51.5	9216
$	47 1,2-Dichloroethane-d4	67	6.143	6.143	(0.958)	145088	50.0000	49.8	9561
	48 1,2-Dichloroethane	62	6.209	6.209	(0.968)	334117	50.0000	47.2	9760
*	49 FLUOROBENZENE	96	6.413	6.413	(1.000)	1300238	50.0000		9655
	52 Methyl cyclohexane	83	6.545	6.545	(1.021)	601332	50.0000	53.4	7117
	50 Trichloroethene	130	6.565	6.565	(1.024)	367791	50.0000	53.0	9400
	58 Dibromomethane	93	6.968	6.968	(1.086)	114847	50.0000	50.4	9742
	54 1,2-Dichloropropane +	63	7.060	7.060	(1.101)	391921	50.0000	50.3	9570
	61 Bromodichloromethane	83	7.126	7.126	(1.111)	404728	50.0000	52.5	9488
	64 1-Bromo-2-chloroethane	63	7.556	7.556	(1.178)	529110	50.0000	52.7	9441
	65 cis-1,3-Dichloropropene	75	7.701	7.701	(1.201)	516468	50.0000	56.2	
$	67 Toluene-d8	98	7.866	7.866	(0.854)	1151541	50.0000	47.9	9607
	68 Toluene +	91	7.905	7.905	(0.859)	1490253	50.0000	48.6	9455
	66 4-methyl-2-pentanone	43	8.255	8.255	(1.287)	256865	50.0000	45.1	
	78 Tetrachloroethene	164	8.236	8.236	(0.895)	268910	50.0000	54.6	5599
	71 trans-1,3-Dichloropropene	75	8.282	8.282	(0.900)	389805	50.0000	57.2	
	76 1,1,2-Trichloroethane	97	8.420	8.420	(0.915)	226790	50.0000	50.4	9501
	81 Dibromochloromethane	129	8.566	8.566	(0.930)	288628	50.0000	54.4	9571
	79 1,3-Dichloropropane	76	8.652	8.652	(0.940)	412763	50.0000	50.8	9090
	83 1,2-Dibromoethane(EDB)	107	8.770	8.770	(0.953)	210082	50.0000	54.3	9636
	80 2-Hexanone	43	8.975	8.975	(0.975)	202867	50.0000	46.1	9506
	84 1-Chlorohexane	91	9.200	9.200	(1.434)	606155	50.0000	50.2	3729(M2)
*	85 Chlorobenzene-d5	82	9.206	9.206	(1.000)	559637	50.0000		7706
	86 Chlorobenzene ++	112	9.219	9.219	(1.001)	944094	50.0000	51.1	8021
	87 Ethylbenzene +	106	9.246	9.246	(1.004)	539007	50.0000	52.3	9438
	89 1,1,1,2-Tetrachloroethane	133	9.272	9.272	(1.007)	278756	50.0000	53.6	9379
M	75 Total 1,2-Dichloroethene	61				953490	100.000	101	0
	90 p,m-Xylene	106	9.371	9.371	(1.018)	1316419	100.000	104	9534
M	77 1-3 Dichloropropene-Total	100				906273	100.000	113	0
	91 o-Xylene	106	9.734	9.734	(1.057)	634220	50.0000	51.6	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	92 Styrene	104	9.780	9.780	(1.062)	1020940	50.0000	51.6	9526
	95 Bromoform ++	173	9.807	9.807	(1.065)	140626	50.0000	54.4	7583
	96 Isopropylbenzene	105	9.998	9.998	(1.086)	1640574	50.0000	52.0	9623
$	98 Bromofluorobenzene	174	10.249	10.249	(1.113)	307667	50.0000	50.6	9691
	102 Bromobenzene	77	10.342	10.342	(0.923)	687339	50.0000	46.4	9213
	103 n-Propylbenzene	91	10.355	10.355	(0.924)	2112448	50.0000	49.2	8806
	101 1,1,2,2-Tetrachloroethane++	83	10.414	10.414	(0.929)	283180	50.0000	47.2	9594
	105 2-Chlorotoluene	91	10.493	10.493	(0.936)	1285539	50.0000	48.0	9140
	107 1,3,5-Trimethylbenzene	105	10.520	10.520	(0.939)	1402007	50.0000	49.0	
	104 1,2,3-Trichloropropane	75	10.540	10.540	(0.940)	318561	50.0000	52.4	8559
	106 trans-1,4-Dichloro-2-Butene	53	10.573	10.573	(0.943)	63140	50.0000	64.5	8922
	108 4-Chlorotoluene	91	10.639	10.639	(0.949)	1127709	50.0000	47.9	9632
	109 tert-butylbenzene	91	10.797	10.797	(0.963)	768904	50.0000	47.7	9431
	110 1,2,4-Trimethylbenzene	105	10.850	10.850	(0.968)	1388002	50.0000	48.9	
	112 sec-Butylbenzene	105	10.949	10.949	(0.977)	1904850	50.0000	48.8	
	113 p-Isopropyltoluene	119	11.068	11.068	(0.988)	1587050	50.0000	50.3	9584
	114 1,3-Dichlorobenzene	146	11.140	11.140	(0.994)	666465	50.0000	50.7	
*	115 1,4-DICHLOROBENZENE-D4	152	11.207	11.207	(1.000)	415426	50.0000		7008
	117 1,4-Dichlorobenzene	146	11.220	11.220	(1.001)	699060	50.0000	51.2	
	119 n-Butylbenzene	91	11.444	11.444	(1.021)	1522430	50.0000	53.4	9703
	120 1,2-Dichlorobenzene	146	11.616	11.616	(1.037)	592350	50.0000	51.0	
	121 1,2-Dibromo-3-Chloropropane	157	12.461	12.461	(1.112)	39439	50.0000	55.1	9036
	124 Hexachlorobutadiene	225	13.240	13.240	(1.181)	275820	50.0000	56.7	9291
	123 1,2,4-Trichlorobenzene	180	13.293	13.293	(1.186)	367791	50.0000	61.1	
	125 Napthalene	128	13.676	13.676	(1.220)	589269	50.0000	56.4	9707
	126 1,2,3-Trichlorobenzene	180	13.860	13.860	(1.237)	332309	50.0000	59.8	
M	127 TOTAL XYLENE	106				1950639	150.000	156	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.

170307

Data File: /var/chem/msv0.i/2080610.b/x8869.d

Date : 10-JUN-2008 11:25

Client ID: V0STD050

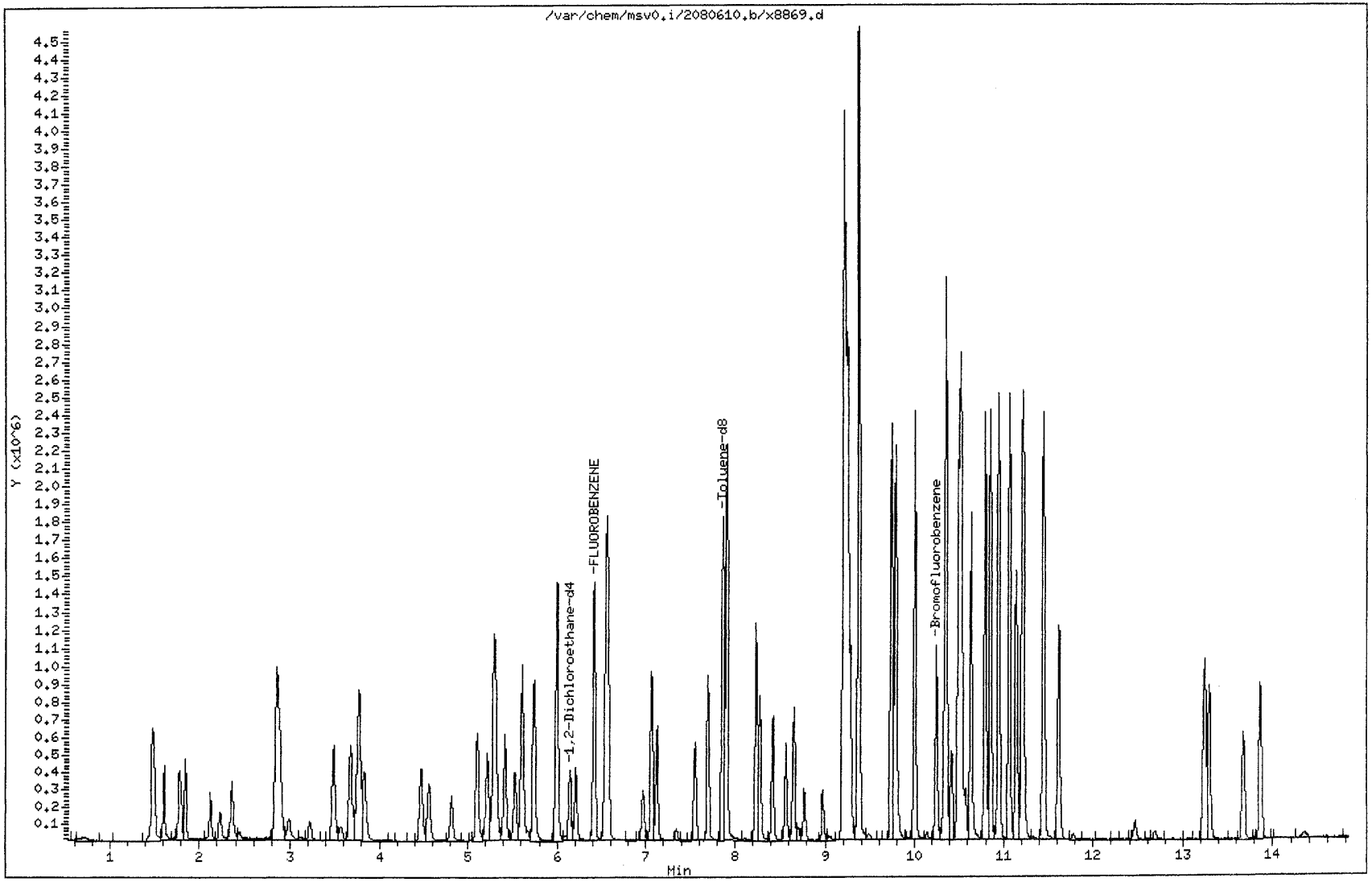
Sample Info: 1400*V0STD050*6-23-8

Column phase: DB-624-30M

Instrument: msv0.i

Operator: JCK

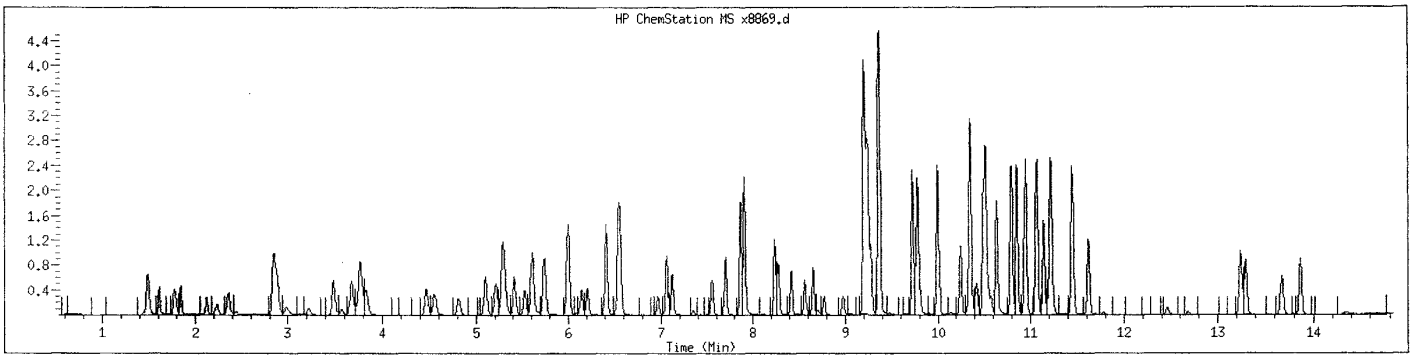
Column diameter: 0.53



Data file : /var/chem/msv0.i/2080610.b/x8869.d Page: 1
Report Date: 06/10/2008 16:13

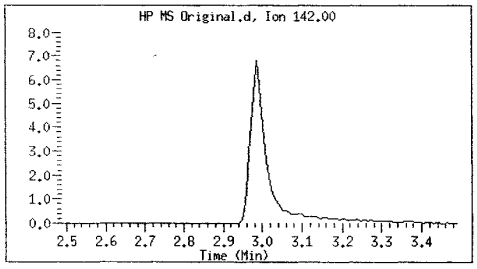
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1400 SampleType : CCALIB_3
Injection Date: 06/10/2008 11:25 Instrument : msv0.i
Operator : JCK
Sample Info : 1400*V0STD050*6-23-8
Misc Info : MSV~13461~*1*JCK
Method : /var/chem/msv0.i/2080610.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



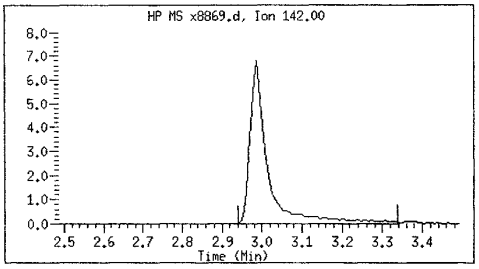
Original Final

13 Methyl Iodide CAS#: 74-88-4 Reason: M1

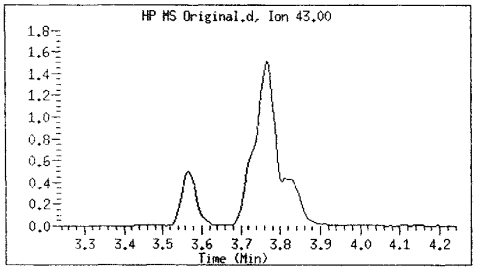


Electronic Signature
Applied

User: jck
Date: 06/10/2008 12:29

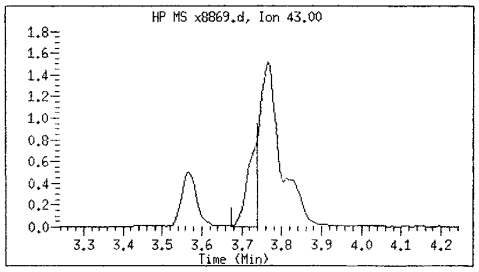


16 Methyl Acetate CAS#: 79-20-9 Reason: M2



Electronic Signature
Applied

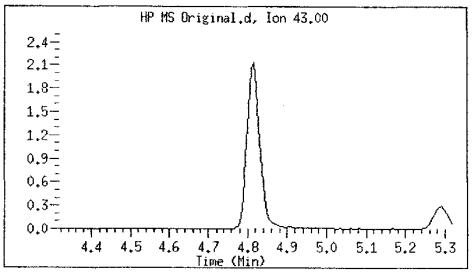
User: jck
Date: 06/10/2008 12:29



170309

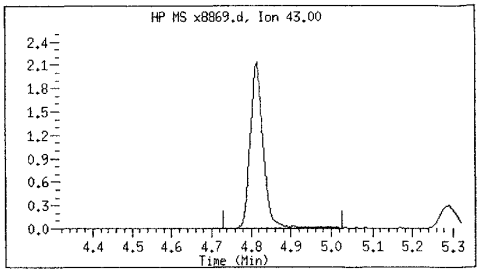
Original Final

27 Vinyl Acetate CAS#: 108-05-4 Reason: M1

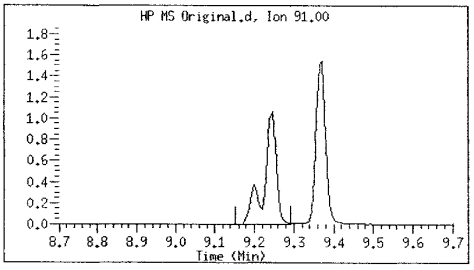


Electronic Signature Applied

User: jck
Date: 06/10/2008 12:29

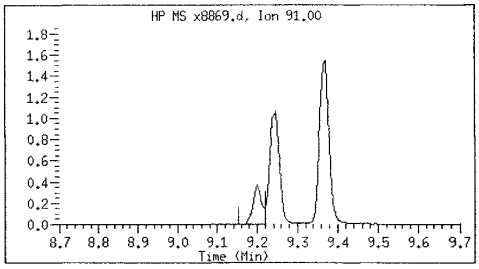


84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



Electronic Signature Applied

User: jck
Date: 06/10/2008 12:30



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2008 16:30
End Cal Date : 08-JUN-2008 23:19
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

Calibration File Names:
Level 1: /var/chem/msv5.i/2080608p.b/h4665.d
Level 2: /var/chem/msv5.i/2080608p.b/h4667.d
Level 3: /var/chem/msv5.i/2080608p.b/h4668.d
Level 4: /var/chem/msv5.i/2080608p.b/h4669.d
Level 5: /var/chem/msv5.i/2080608p.b/h4670.d
Level 7: /var/chem/msv5.i/2080608p.b/h4664.d
Level 8: /var/chem/msv5.i/2080608p.b/h4666.d
Level 9: /var/chem/msv5.i/2080608q.b/h4675.d
Level 10: /var/chem/msv5.i/2080608q.b/h4674.d

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
	10 Level 8	0.4000 Level 9	0.2000 Level 10								
1 Dichlorodifluoromethane	0.32048	0.29973	0.31692	0.30696	0.30892	0.30861					
	0.33295	0.43457	+++++				AVRG		0.32864		13.38203
2 Chloromethane ++	0.49820	0.52414	0.51128	0.49281	0.49823	0.66980					
	0.53531	+++++	+++++				AVRG		0.53282		11.69718
3 Vinyl Chloride +	0.33222	0.35859	0.36410	0.35941	0.36195	0.39498					
	0.32368	0.45951	+++++				AVRG		0.36931		11.46420

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2008 16:30
End Cal Date : 08-JUN-2008 23:19
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

	Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
		10 Level 8	0.4000 Level 9	0.2000 Level 10									
	4 1-3 Butadiene	0.43397	0.42407	0.40174	0.39785	0.40492	+++++						
		0.43586	+++++	+++++				AVRG		0.41640		4.07111	<-
	28 2-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++						
		+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
	5 Bromomethane	9680	32175	96164	190253	384988	2670						
		17502	+++++	+++++				LINR	0.02400	0.17498		0.99965	
	8 Chloroethane	9079	35761	97349	172394	308127	2392						
		16721	+++++	+++++				LINR	-0.06476	0.14139		0.99513	
	9 Trichlorofluoromethane	13538	54548	138603	266389	516086	1899						
		26714	924	+++++				LINR	-0.01124	0.23472		0.99976	
M	7 Total Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
		+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
	10 Ethyl Ether	0.22765	0.21652	0.20944	0.21189	0.20134	0.22769						
		0.23831	+++++	+++++				AVRG		0.21898		5.84572	<-

170312

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2008 16:30
End Cal Date : 08-JUN-2008 23:19
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 8	0.4000 Level 9	0.2000 Level 10									
11 1,1-Dichloroethene +	0.18552	0.16351	0.18832	0.17061	0.17686	0.18275						
	0.19003	+++++	+++++				AVRG		0.17966		5.45726	
12 Carbon Disulfide	0.66734	0.64422	0.63804	0.64612	0.64274	0.83289						
	0.62655	+++++	+++++				AVRG		0.67113		10.78232	
13 1,1,2Trichlotrifluoroethane	10863	38043	99707	205691	398428	1742						
	20091	+++++	+++++				LINR	0.00445	0.18149		0.99979	<-
14 Methyl Iodide	14450	55936	155690	300677	556673	2795						
	27786	+++++	+++++				LINR	-0.02048	0.25517		0.99847	
15 Acrolein	0.03167	0.03866	0.03650	0.03834	0.03740	0.04698						
	0.03655	+++++	+++++				AVRG		0.03802		12.05105	
16 Allyl chloride	0.28119	0.27939	0.26165	0.26819	0.24845	0.30350						
	0.27011	+++++	+++++				AVRG		0.27321		6.34045	<-
17 Methylene Chloride	0.36908	0.36253	0.35900	0.34153	0.34349	0.45432						
	0.37495	+++++	+++++				AVRG		0.37213		10.28737	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2008 16:30
End Cal Date : 08-JUN-2008 23:19
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 8	0.4000 Level 9	0.2000 Level 10									
18 Acetone	5953	28926	76666	144651	278992	6632						
	20562	5772	6807				LINR	-0.05999	0.12506		0.99922	
19 trans-1,2-Dichloroethene	18539	66561	165280	323235	667519	2790						
	34794	1788	1249				LINR	0.00549	0.30058		0.99959	
20 Methyl Acetate	0.35752	0.28635	0.29015	0.26410	0.26335	0.25639						
	0.31351	+++++	+++++				AVRG		0.29019		12.29242	
21 Hexane	0.36128	0.33880	0.35256	0.32012	0.34373	0.41552						
	0.38492	+++++	+++++				AVRG		0.35956		8.84159	
22 MTBE	30572	121150	313219	586326	1176105	6538						
	65701	3836	2385				LINR	-0.00904	0.53157		0.99982	
23 tert-Butyl Alcohol	0.04114	0.03511	0.03766	0.03796	0.03926	+++++						
	0.03860	+++++	+++++				AVRG		0.03829		5.19820	<-
159 Heptane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2008 16:30
End Cal Date : 08-JUN-2008 23:19
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 8	0.4000 Level 9	0.2000 Level 10									
24 Acetonitrile	0.06974	0.07190	0.07320	0.06981	0.07393	+++++						
	0.07622	+++++	+++++				AVRG		0.07247		3.46944	<-
25 Isopropyl Ether	0.98227	1.01164	0.95269	0.96614	0.93010	1.28435						
	0.99659	+++++	+++++				AVRG		1.01768		11.85966	<-
26 Chloroprene	0.35828	0.31788	0.31675	0.32834	0.33041	0.42081						
	0.34530	+++++	+++++				AVRG		0.34540		10.53653	<-
27 1,1-Dichloroethane ++	0.40551	0.37887	0.40755	0.38560	0.40068	0.53533						
	0.41105	0.54535	+++++				AVRG		0.43374		15.39141	
29 Acrylonitrile	0.13338	0.12832	0.12407	0.12485	0.12854	0.14790						
	0.13195	+++++	+++++				AVRG		0.13129		6.14623	
30 Vinyl Acetate	40278	138790	321726	605318	1105273	12592						
	75955	+++++	+++++				QUAD	-0.02429	1.69219	0.15727	0.99999	<-
M 61 Total 1,2-Dichloroethene	38801	139854	382824	723171	1477104	6864						
	77542	3973	2893				LINR	0.00573	0.33347		0.99972	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2008 16:30
End Cal Date : 08-JUN-2008 23:19
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 8	0.4000 Level 9	0.2000 Level 10									
31 cis-1,2-Dichloroethene	20262	73293	217544	399936	809585	4074						
	42748	2185	1644				LINR	0.00094	0.36647		0.99955	
32 2,2-Dichloropropane	17004	67746	164380	302433	603823	5502						
	32880	1793	2218				LINR	-0.02029	0.27255		0.99968	
34 Cyclohexane	0.52410	0.49325	0.52057	0.50961	0.51524	0.60740						
	0.51865	+++++	+++++				AVRG		0.52697		6.99928	
33 Bromochloromethane	0.13177	0.12919	0.13611	0.12018	0.11997	0.15518						
	0.13850	0.13460	+++++				AVRG		0.13319		8.43922	
35 Chloroform +	0.42453	0.40448	0.41794	0.40071	0.39467	0.47073						
	0.44560	0.49861	+++++				AVRG		0.43216		8.52695	
36 Carbon Tetrachloride	14108	41838	121483	232532	460963	2109						
	23858	1186	864				LINR	-0.00144	0.20908		0.99978	
37 Ethyl Acetate	0.41510	0.40446	0.41286	0.38883	0.38324	0.39173						
	0.42487	+++++	+++++				AVRG		0.40301		3.84691	<-

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GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2008 16:30
End Cal Date : 08-JUN-2008 23:19
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 8	0.4000 Level 9	0.2000 Level 10									
38 Tetrahydrofuran	0.17566	0.16950	0.17225	0.16392	0.16895	0.19570						
	0.17391	+++++	+++++				AVRG		0.17427		5.85064	<-
40 1,1,1-Trichloroethane	13851	57702	149186	295337	586719	3637						
	30448	1521	655				LINR	0.00179	0.26595		0.99998	
41 sec-Butanol	0.07056	0.06139	0.06111	0.05704	0.05865	+++++						
	0.06801	+++++	+++++				AVRG		0.06279		8.50519	<-
51 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
42 2-Butanone	19293	62834	159157	296139	579691	6079						
	35526	6546	+++++				LINR	-0.03926	0.26095		0.99981	
43 1,1-Dichloropropene	0.37384	0.33263	0.34273	0.33828	0.33878	0.37945						
	0.34108	0.35098	0.43321				AVRG		0.35900		8.98763	
44 2-2-4 trimethyl Pentane	1.35092	1.34171	1.40290	1.38459	1.37607	+++++						
	1.37875	+++++	+++++				AVRG		1.37249		1.64108	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2008 16:30
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Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	 m1	 m2	%RSD or R^2	
	10 Level 8	0.4000 Level 9	0.2000 Level 10									
55 1,3 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
45 Benzene	58470	230826	598329	1162431	2221966	13399						
	117196	7728	5242				LINR	-0.01372	1.01242		0.99965	
46 Propionitrile	0.06680	0.05905	0.06438	0.06444	0.06738	0.05440						
	0.06668	+++++	+++++				AVRG		0.06331		7.63508	<-
47 Methacrylonitrile	0.35324	0.29518	0.30732	0.29595	0.29573	0.36661						
	0.30752	+++++	+++++				AVRG		0.31736		9.39037	<-
49 1,2-Dichloroethane	0.31654	0.30807	0.31986	0.30852	0.30402	0.31169						
	0.31571	0.41120	0.41679				AVRG		0.33471		13.51379	
50 Isobutyl Alcohol	0.02681	0.02327	0.02375	0.02463	0.02415	0.03093						
	0.02881	+++++	+++++				AVRG		0.02605		11.15776	<-
53 Methyl Cyclohexane	23555	91916	233239	456187	895438	4015						
	47482	2324	1858				LINR	-0.00593	0.40630		0.99997	

170318

GCAL, Inc.

INITIAL CALIBRATION DATA

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End Cal Date : 08-JUN-2008 23:19
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 8	0.4000 Level 9	0.2000 Level 10									
54 Trichloroethene	12023	54102	138188	278780	539458	2741						
	26340	1045	1049				LINR	0.00097	0.24578		0.99987	
68 1,4 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
56 n-Butanol	0.01686	0.01388	0.01690	0.01665	0.01638	0.01651						
	0.01735	+++++	+++++				AVRG		0.01636		6.94647	<-
57 Dibromomethane	10402	41582	114643	226271	437615	1866						
	21630	1050	814				LINR	0.00052	0.19952		0.99979	
58 2-3 Dichloro-1-Proprene	0.49805	0.50185	0.47421	0.46933	0.45637	0.43332						
	0.49037	+++++	+++++				AVRG		0.47479		5.16325	<-
59 1,2-Dichloropropane +	0.34487	0.33476	0.34424	0.33944	0.32890	0.39507						
	0.34497	0.50715	+++++				AVRG		0.36743		16.32046	
60 Bromodichloromethane	18547	76200	191366	388139	776241	4225						
	39212	809	966				LINR	0.00767	0.35166		0.99992	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2008 16:30
End Cal Date : 08-JUN-2008 23:19
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

	Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
		10 Level 8	0.4000 Level 9	0.2000 Level 10									
	62 Methyl methacrylate	0.29396	0.28462	0.29700	0.28357	0.28574	0.35344						
		0.30567	+++++	+++++				AVRG		0.30057		8.19563	<-
	63 1,4- Dioxane	0.00369	0.00362	0.00379	0.00387	0.00389	0.00252						
		0.00385	+++++	+++++				AVRG		0.00361		13.50563	<-
	64 1-Bromo-2-chloroethane	0.59398	0.62575	0.62668	0.61202	0.60468	0.62794						
		0.60495	0.76735	0.85421				AVRG		0.65750		13.73546	
	65 2-Chloroethyl vinyl ether	0.27302	0.26994	0.27378	0.29023	0.28324	0.27078						
		0.28281	+++++	+++++				AVRG		0.27769		2.78574	
	66 cis-1,3-Dichloropropene	0.50065	0.45914	0.47433	0.47000	0.46757	0.46880						
		0.45473	+++++	+++++				AVRG		0.47074		3.14212	
M	6 1-3 Dichloropropene-Total	0.44490	0.43025	0.43992	0.43636	0.43345	0.47688						
		0.42569	+++++	+++++				AVRG		0.44106		3.85205	
	81 1,2 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
		+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

170320

GCAL, Inc.

INITIAL CALIBRATION DATA

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End Cal Date : 08-JUN-2008 23:19
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 8	0.4000 Level 9	0.2000 Level 10									
69 Toluene +	56395	231935	600508	1189607	2233510	13488						
	118661	7182	4421				LINR	-0.01287	2.29724		0.99967	
88 Methyl Disulfide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
70 2-nitropropane	0.12656	0.10420	0.11107	0.10608	0.10561	+++++						
	0.11743	+++++	+++++				AVRG		0.11182		7.78230	<-
71 4-methyl-2-pentanone	0.49658	0.50325	0.53686	0.52586	0.49724	0.60485						
	0.50701	+++++	+++++				AVRG		0.52452		7.33906	
72 Tetrachloroethene	0.33834	0.39718	0.38006	0.35361	0.37154	0.37289						
	0.35181	+++++	+++++				AVRG		0.36649		5.41831	
73 trans-1,3-Dichloropropene	0.85299	0.90673	0.92651	0.88620	0.90224	1.17862						
	0.89148	+++++	+++++				AVRG		0.93497		11.74058	
74 Ethyl Methacrylate	0.93198	0.90835	0.94060	0.93336	0.99650	1.17396						
	0.95628	+++++	+++++				AVRG		0.97729		9.30066	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2008 16:30
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Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 8	0.4000 Level 9	0.2000 Level 10									
75 1,1,2-Trichloroethane	0.55529	0.53829	0.57420	0.55323	0.56589	0.67560						
	0.56909	0.64583	+++++				AVRG		0.58468		8.35819	
76 Dibromochloromethane	0.56012	0.56853	0.62828	0.58442	0.61349	0.66728						
	0.57620	0.80430	+++++				AVRG		0.62533		12.89388	
77 1,3-Dichloropropane	1.01741	0.99637	1.09270	1.01828	1.05520	1.12337						
	1.05671	1.39002	+++++				AVRG		1.09376		11.59164	
78 1-nitropropane	0.09430	0.08515	0.08114	0.07893	0.07942	+++++						
	0.07584	+++++	+++++				AVRG		0.08246		7.94429	<-
79 1,2-Dibromoethane(EDB)	0.55891	0.65897	0.64400	0.61866	0.64934	0.72936						
	0.60962	0.74419	+++++				AVRG		0.65163		9.38436	
80 2-Hexanone	0.85894	0.86694	0.89833	0.86380	0.85313	1.14534						
	0.90008	+++++	+++++				AVRG		0.91237		11.44410	
82 1-Chlorohexane	0.88740	0.87024	1.00393	0.82206	0.88839	0.87741						
	0.82637	1.06562	+++++				AVRG		0.90518		9.44823	

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GCAL, Inc.

INITIAL CALIBRATION DATA

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Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	 m1	 m2	%RSD or R^2	
	10 Level 8	0.4000 Level 9	0.2000 Level 10									
84 Chlorobenzene ++	1.37323	1.40844	1.46573	1.36001	1.39115	1.87811						
	1.42863	1.81279	+++++				AVRG		1.51476		13.69481	
85 Ethylbenzene +	18191	73896	196597	373616	728749	4728						
	37859	1635	1083				LINR	-0.00711	0.74568		0.99965	
86 1,1,1,2-Tetrachloroethane	0.46975	0.44566	0.44677	0.43117	0.43708	0.57171						
	0.47320	0.64136	+++++				AVRG		0.48959		15.51201	
87 p,m-Xylene	0.85657	0.90303	0.93575	0.89496	0.91061	0.94268						
	0.93465	1.12051	+++++				AVRG		0.93734		8.43919	
89 o-Xylene	0.85279	0.93773	0.94653	0.89926	0.92365	1.03207						
	0.91444	1.20521	+++++				AVRG		0.96396		11.39476	
90 Styrene	1.51706	1.63939	1.71695	1.64273	1.68020	1.99950						
	1.56709	1.97623	+++++				AVRG		1.71739		10.37759	
118 1-4 Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2008 16:30
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Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 8	0.4000 Level 9	0.2000 Level 10									
91 Bromoform ++	0.36050	0.38018	0.38793	0.36909	0.38776	0.33620						
	0.35812	0.34229	+++++				AVRG		0.36526		5.37998	
119 1-3 Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
92 1,5 Cyclooctadiene	0.47871	0.48796	0.46641	0.48890	0.46659	0.54679						
	0.47778	+++++	+++++				AVRG		0.48759		5.66124	<-
113 3-ethyltoluene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
114 2-ethyltoluene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
117 1-2 Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
93 Isopropylbenzene	2.13060	2.11715	2.20349	2.13932	2.12840	2.55308						
	2.16980	2.46309	+++++				AVRG		2.23811		7.62136	

GCAL, Inc.

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Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 8	0.4000 Level 9	0.2000 Level 10									
95 n-Propylbenzene	3.95807	4.18745	4.31852	3.95199	4.08284	4.52149						
	3.99772	4.61455	+++++				AVRG		4.20408		6.12381	
96 Bromobenzene	1.62074	1.66320	1.73047	1.57313	1.59305	2.05035						
	1.64905	+++++	+++++				AVRG		1.69714		9.66341	
97 1,1,2,2-Tetrachloroethane++	1.25755	1.23362	1.31359	1.18993	1.20977	1.21564						
	1.37099	1.72540	+++++				AVRG		1.31456		13.42673	
98 2-Chlorotoluene	2.45476	2.64089	2.62387	2.51815	2.64289	3.00123						
	2.72210	3.06803	+++++				AVRG		2.70899		8.03663	
99 1,3,5-Trimethylbenzene	2.35527	2.58765	2.61485	2.36015	2.50465	2.62604						
	2.51186	2.78758	+++++				AVRG		2.54351		5.65824	
100 1,2,3-Trichloropropane	1.59813	1.61619	1.63762	1.50990	1.52434	1.31603						
	1.58420	+++++	+++++				AVRG		1.54092		7.10781	
101 trans-1,4-Dichloro-2-Butene	0.41791	0.40881	0.42589	0.39681	0.38673	0.38351						
	0.40621	+++++	+++++				AVRG		0.40369		3.87721	<-

GCAL, Inc.

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Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
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Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 8	0.4000 Level 9	0.2000 Level 10									
102 Cyclohexanone	0.20248	0.15497	0.17881	0.15733	0.16631	+++++						
	0.17042	+++++	+++++				AVRG		0.17172		10.13763	<-
103 4-Chlorotoluene	2.51600	2.43192	2.44753	2.27286	2.33966	3.02934						
	2.42677	+++++	+++++				AVRG		2.49487		9.95789	
M 124 TOTAL XYLENE	0.85531	0.91460	0.93935	0.89639	0.91496	0.97248						
	0.92791	1.14875	+++++				AVRG		0.94622		9.35202	
104 tert-butylbenzene	1.46597	1.42419	1.50958	1.41194	1.40579	1.55239						
	1.54151	+++++	+++++				AVRG		1.47305		4.20433	
105 Pentachloroethane	0.43394	0.45439	0.43346	0.45356	0.42796	0.40330						
	0.41588	+++++	+++++				AVRG		0.43178		4.30333	<-
106 1,2,4-Trimethylbenzene	2.55570	2.63433	2.63872	2.50993	2.54418	2.80904						
	2.59094	2.84941	+++++				AVRG		2.64153		4.70347	
107 sec-Butylbenzene	3.24170	3.37968	3.38215	3.18230	3.21534	3.37470						
	3.29279	+++++	+++++				AVRG		3.29552		2.56913	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2008 16:30
End Cal Date : 08-JUN-2008 23:19
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 8	0.4000 Level 9	0.2000 Level 10									
108 p-Isopropyltoluene	2.58231	2.53306	2.71601	2.46900	2.62095	3.00467						
	2.50155	+++++	+++++				AVRG		2.63251		6.96832	
109 Dicylopentadiene	4.39032	4.41085	4.26342	4.37848	4.32719	5.50183						
	4.50921	+++++	+++++				AVRG		4.54019		9.48641	<-
110 1,3-Dichlorobenzene	1.23640	1.40470	1.41095	1.29564	1.38399	1.41155						
	1.34888	+++++	+++++				AVRG		1.35602		4.97054	
112 1,4-Dichlorobenzene	1.51113	1.54790	1.57648	1.44351	1.45790	1.60689						
	1.45724	1.78428	+++++				AVRG		1.54817		7.27270	
115 n-Butylbenzene	2.37349	2.67334	2.80778	2.63899	2.74703	2.80790						
	2.62569	+++++	+++++				AVRG		2.66774		5.61753	
M 127 Total Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
116 1,2-Dichlorobenzene	1.20109	1.33232	1.38465	1.29602	1.33894	1.43995						
	1.31340	+++++	+++++				AVRG		1.32948		5.59577	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2008 16:30
End Cal Date : 08-JUN-2008 23:19
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
	10 Level 8	0.4000 Level 9	0.2000 Level 10									
128 2-methylnapthalene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
120 1,2-Dibromo-3-Chloropropane	3197	12824	39237	76702	147871	370						
	6418	+++++	+++++				LINR	0.01159	0.20590		0.99935	
121 Benzal Chloride	7518	37214	111844	247824	561281	1252						
	16111	+++++	+++++				LINR	0.22126	0.39216		0.99611	<-
122 Hexachlorobutadiene	0.21118	0.26690	0.28963	0.27730	0.28013	0.31639						
	0.25737	+++++	+++++				AVRG		0.27127		11.95583	
123 1,2,4-Trichlorobenzene	0.67801	0.73801	0.81706	0.77785	0.80551	0.69875						
	0.74988	0.98121	0.77514				AVRG		0.78016		11.30341	
125 Naphthalene	2.46015	2.52558	2.73034	2.56061	2.64094	2.46369						
	2.38267	+++++	+++++				AVRG		2.53771		4.66163	
126 1,2,3-Trichlorobenzene	0.70090	0.68548	0.76428	0.74861	0.76784	0.78738						
	0.66095	0.89214	0.93757				AVRG		0.77168		11.91036	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2008 16:30
End Cal Date : 08-JUN-2008 23:19
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	1 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
	10 Level 8	0.4000 Level 9	0.2000 Level 10								
$ 39 Dibromofluoromethane	0.26413	0.26978	0.25656	0.26078	0.27504	0.27504					
	0.26908	0.27619	0.27467				AVRG		0.26903		2.63951
$ 48 1,2-Dichloroethane-d4	0.14924	0.15395	0.14214	0.15042	0.14956	0.14650					
	0.15152	0.14808	0.15328				AVRG		0.14941		2.41670
$ 67 Toluene-d8	1.80014	1.95671	1.80798	1.88625	1.91141	2.01687					
	1.86719	1.94430	1.99555				AVRG		1.90960		4.01274
$ 94 Bromofluorobenzene	0.53582	0.58194	0.54015	0.55249	0.59876	0.60100					
	0.55407	0.55839	0.59832				AVRG		0.56899		4.59904

170329

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2008 16:30
End Cal Date : 08-JUN-2008 23:19
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2080610.b/8260Bw5.m
Cal Date : 11-Jun-2008 14:26 rjo

Average %RSD Results.
Calculated Average %RSD = 8.14074
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/msv5.i/2080608p.b/h4663.d
Lab Smp Id: 1000 Client Smp ID: V5BFB01
Inj Date : 08-JUN-2008 11:55
Operator : JCK Inst ID: msv5.i
Smp Info : 1000*V5BFB01
Misc Info : MSV~13459~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608p.b/bfb1.m
Meth Date : 29-Apr-2008 10:01 root 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		
10.953	10.648 (0.000)	95	66245			100.00- 100.00	100.00
10.953	10.648 (0.000)	50	12964			15.00- 40.00	19.57
10.953	10.648 (0.000)	75	28402			30.00- 60.00	42.87
10.953	10.648 (0.000)	96	4457			5.00- 9.00	6.73
10.953	10.648 (0.000)	173	0			0.00- 2.00	0.00
10.953	10.648 (0.000)	174	44776			50.00- 120.00	67.59
10.953	10.648 (0.000)	175	3029			5.00- 9.00	6.76
10.953	10.648 (0.000)	176	43464			95.00- 101.00	97.07
10.953	10.648 (0.000)	177	2961			5.00- 9.00	6.81

170331

Data File: /var/chem/msv5.i/2080608p.b/h4663.d

Date : 08-JUN-2008 11:55

Client ID: V5BFB01

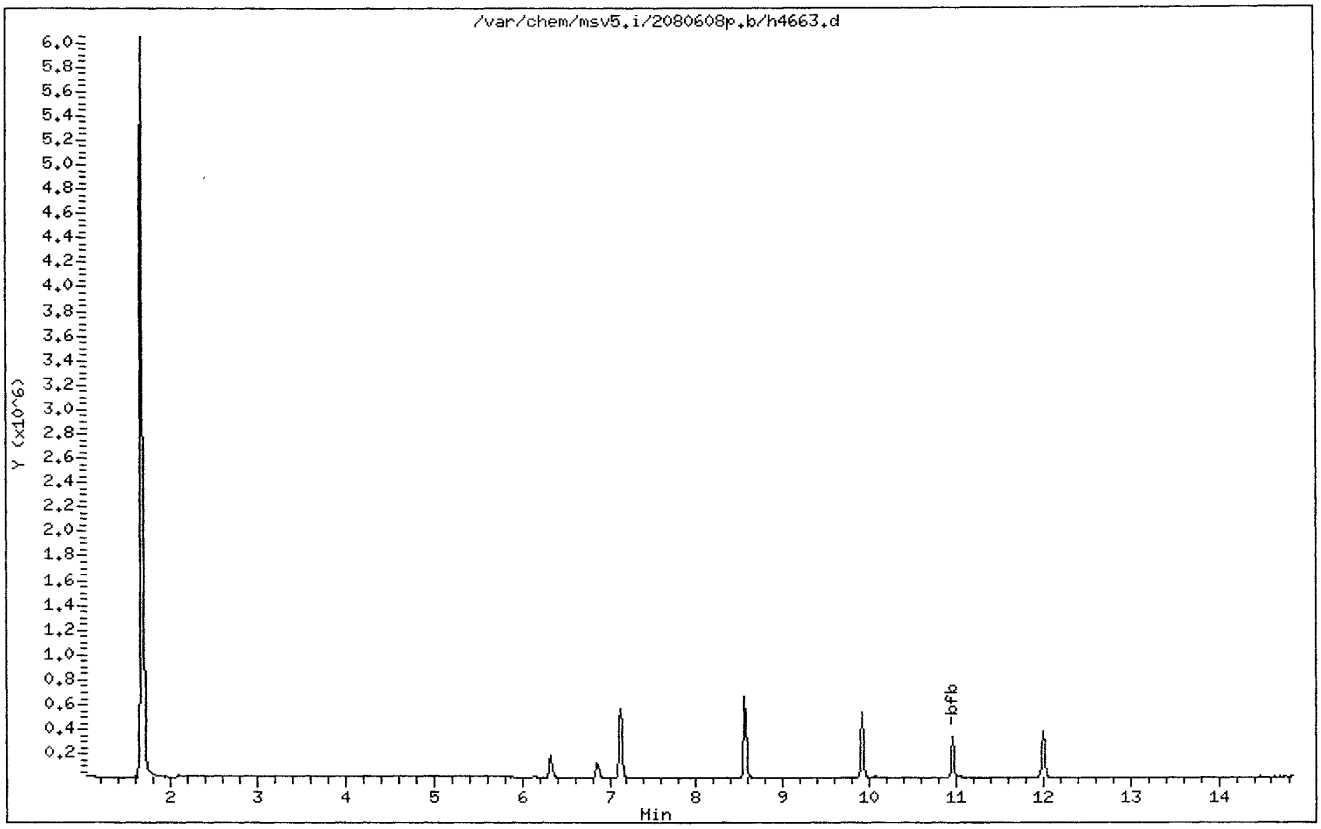
Instrument: msv5.i

Sample Info: 1000*V5BFB01

Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv5.i/2080608p.b/h4663.d

Date : 08-JUN-2008 11:55

Client ID: V5BFB01

Instrument: msv5.i

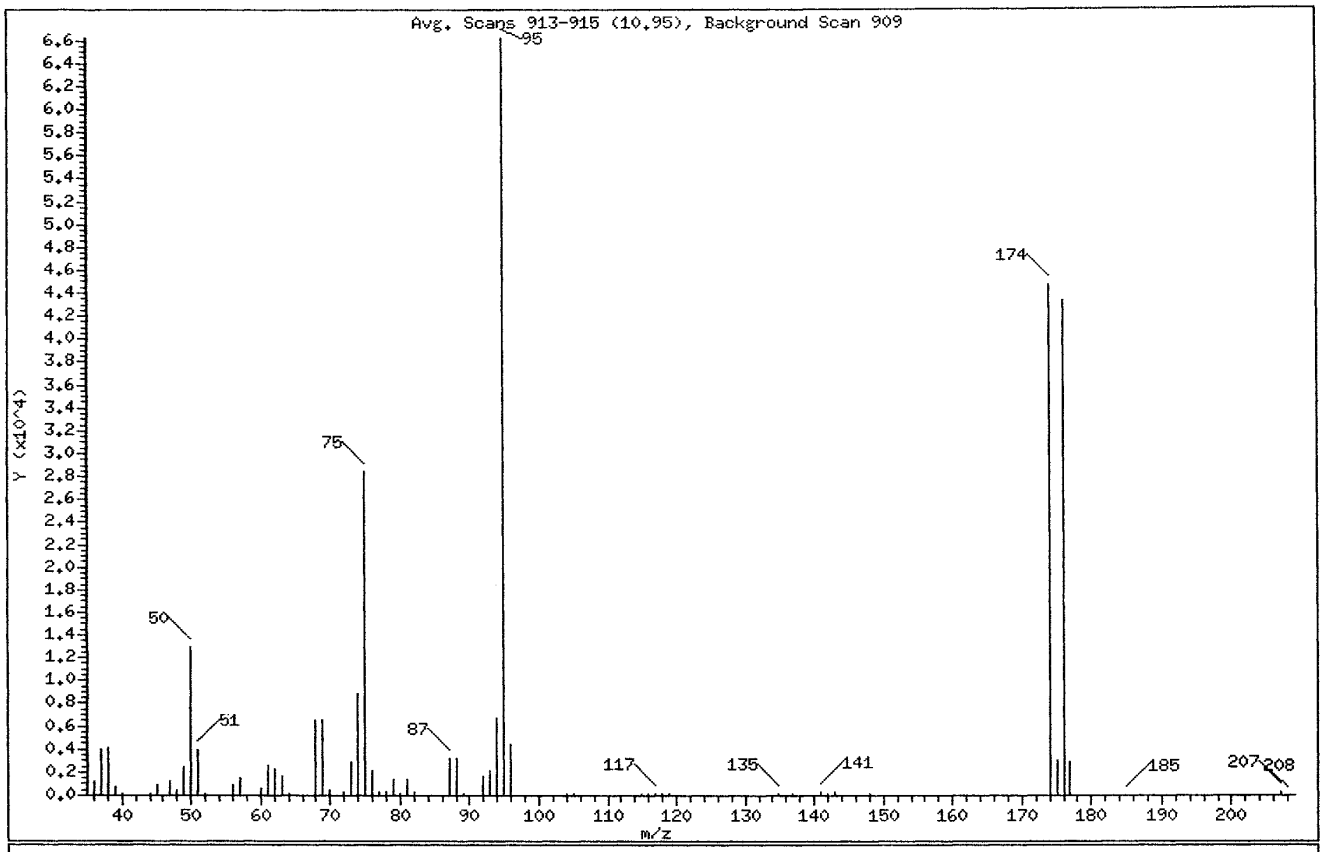
Sample Info: 1000*V5BFB01

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	19.57
75	30.00 - 60.00% of mass 95	42.87
96	5.00 - 9.00% of mass 95	6.73
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	67.59
175	5.00 - 9.00% of mass 174	4.57 (6.76)
176	95.00 - 101.00% of mass 174	65.61 (97.07)
177	5.00 - 9.00% of mass 176	4.47 (6.81)

170333

Data File: /var/chem/msv5.i/2080608p.b/h4663.d

Date : 08-JUN-2008 11:55

Client ID: V5BFB01

Instrument: msv5.i

Sample Info: 1000xV5BFB01

Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53

Data File: h4663.d
Spectrum: Avg. Scans 913-915 (10.95), Background Scan 909
Location of Maximum: 95.00
Number of points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1232	62.00	2335	89.00	94	131.00	50
37.00	3897	63.00	1728	90.00	69	135.00	156
38.00	4129	64.00	133	92.00	1677	137.00	197
39.00	813	68.00	6525	93.00	2078	141.00	348
40.00	181	69.00	6479	94.00	6750	142.00	186
44.00	161	70.00	426	95.00	66240	143.00	234
45.00	902	72.00	285	96.00	4457	146.00	54
47.00	1279	73.00	2852	104.00	157	148.00	129
48.00	402	74.00	8904	105.00	80	174.00	44776
49.00	2433	75.00	28400	106.00	76	175.00	3029
50.00	12964	76.00	2129	107.00	62	176.00	43464
51.00	3916	77.00	273	111.00	50	177.00	2961
52.00	190	78.00	314	113.00	54	185.00	57
54.00	66	79.00	1420	115.00	112	207.00	258
55.00	46	80.00	223	116.00	193	208.00	63
56.00	843	81.00	1326	117.00	214		
57.00	1585	82.00	315	118.00	77		
60.00	557	87.00	3239	119.00	91		
61.00	2529	88.00	3190	127.00	65		

170334

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608p.b/h4664.d
Lab Smp Id: 1207 Client Smp ID: V5APP9STD001
Inj Date : 08-JUN-2008 12:49
Operator : JCK Inst ID: msv5.i
Smp Info : 1207*V5APP9STD001
Misc Info : MSV~13459~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Meth Date : 11-Jun-2008 13:12 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 12:49 Cal File: h4664.d
Als bottle: 3 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/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
10 Ethyl Ether	59	3.196	3.196	(0.448)	13654	5.00000	5.20	6459(a)
16 Allyl chloride	39	4.099	4.099	(0.575)	3640	1.00000	1.11	3990(a)
25 Isopropyl Ether	45	5.121	5.121	(0.718)	15404	1.00000	1.26	5252(a)
26 Chloroprene	53	5.197	5.197	(0.729)	5047	1.00000	1.22	4102(a)
38 Tetrahydrofuran	42	6.316	6.316	(0.886)	11736	5.00000	5.61	3057
37 Ethyl Acetate	43	6.294	6.294	(0.883)	23491	5.00000	4.86	6161(a)
46 Propionitrile	54	6.783	6.783	(0.951)	3262	5.00000	4.30	6315(a)
47 Methacrylonitrile	41	6.783	6.783	(0.951)	4397	1.00000	1.16	6507(a)
* 52 FLUOROBENZENE	96	7.131	7.131	(1.000)	599679	50.0000		
50 Isobutyl Alcohol	43	6.968	6.968	(0.977)	1855	5.00000	5.94	2875(aH)
58 2-3 Dichloro-1-Proprene	75	7.761	7.761	(1.088)	5197	1.00000	0.913	6039(a)
56 n-Butanol	56	7.609	7.609	(1.067)	990	5.00000	5.05	3604(a)
74 Ethyl Methacrylate	41	9.096	9.096	(0.917)	6037	1.00000	1.20	0(aM1)
63 1,4- Dioxane	58	8.021	8.021	(1.125)	757	25.0000	17.5	3427(a)

170335

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
70	2-nitropropane	43	8.825	8.825	(1.238)	1902	1.00000	1.42	4180(aH)
62	Methyl Methacrylate	69	7.978	7.978	(1.119)	4239	1.00000	1.18	6646
78	1-nitropropane	43	9.466	9.466	(1.327)	1460	1.00000	1.48	4348(aH)
* 83	CHLOROBENZENE-d5	82	9.922	9.922	(1.000)	257121	50.0000		
92	1,5 Cyclooctadiene	67	10.660	10.660	(1.495)	6558	1.00000	1.12	8647(a)
102	Cyclohexanone	55	11.334	11.334	(1.142)	1179	2.00000	1.34	3970(a)
105	Pentachloroethane	167	11.562	11.562	(0.963)	1482	1.00000	0.934	0(aM1)
* 111	1,4-DICHLOROBENZENE-D4	152	12.008	12.008	(1.000)	183735	50.0000		
121	Benzal Chloride	125	13.929	13.929	(1.160)	1252	1.00000	11.9	3029

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.

170336

Data File: /var/chem/msv5.i/2080608p.b/h4664.d

Date : 08-JUN-2008 12:49

Client ID: V5APP9STD001

Instrument: msv5.i

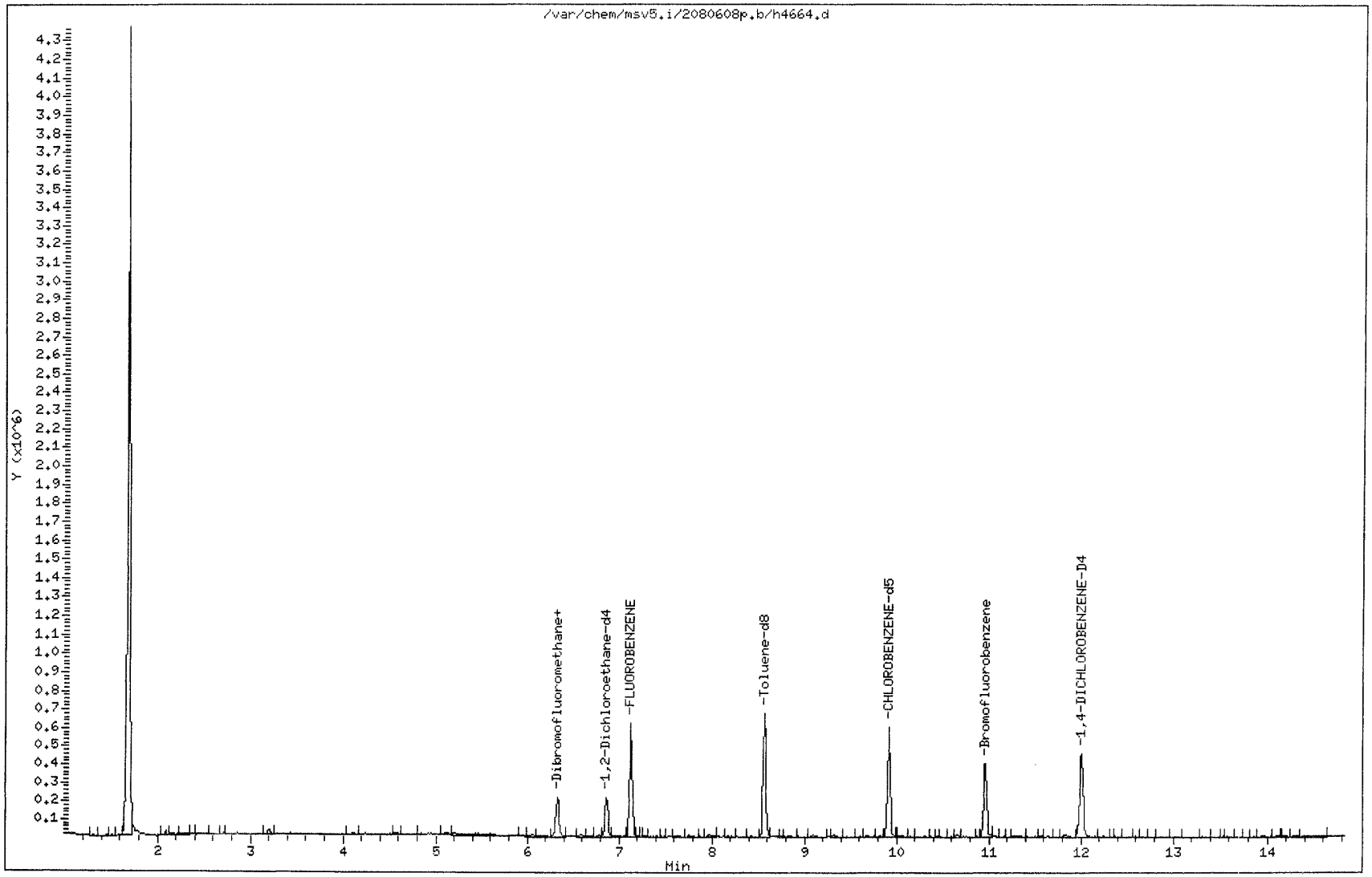
Sample Info: 1207*V5APP9STD001

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-30M

Column diameter: 0.53

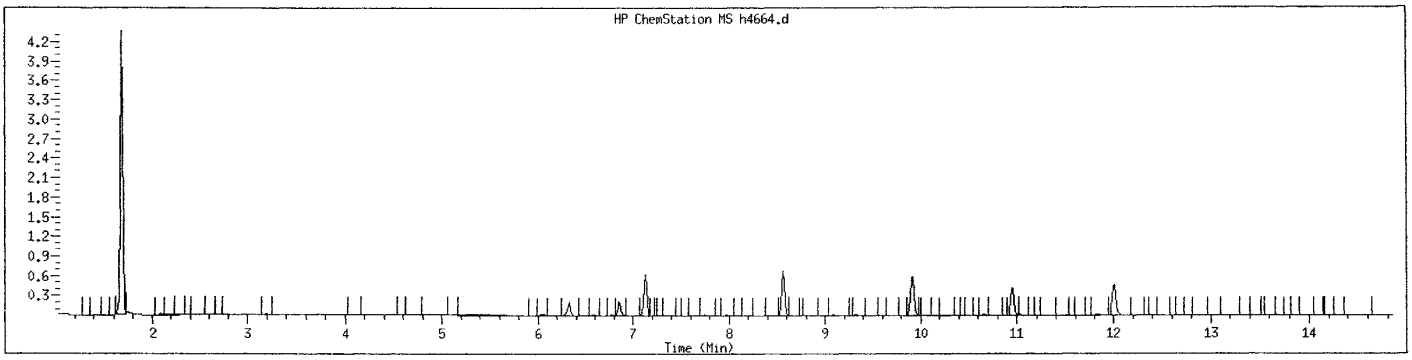


Data file : /var/chem/msv5.i/2080608p.b/h4664.d
Report Date: 06/11/2008 13:12

MANUAL INTEGRATION GRAPHIC REPORT

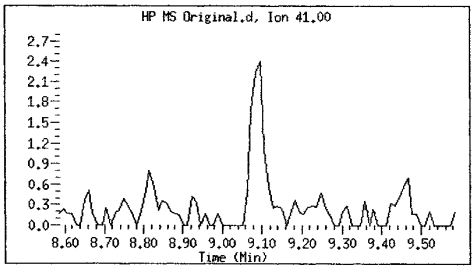
Lab ID : 1207
Injection Date: 06/08/2008 12:49
Operator : JCK
Sample Info : 1207*V5APP9STD001
Misc Info : MSV~13459~*1*JCK
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE

SampleType : CALIB_7
Instrument : msv5.i
Compound Sublist: APP9



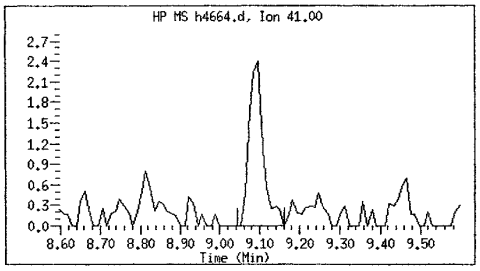
Original Final

74 Ethyl Methacrylate CAS#: 97-63-2 Reason: M1

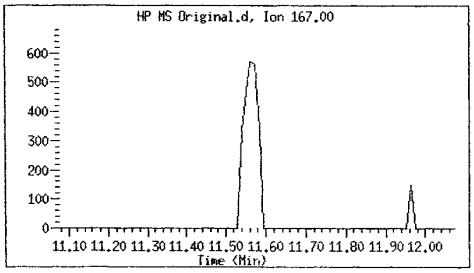


Electronic Signature Applied

User: root
Date: 06/08/2008 18:52

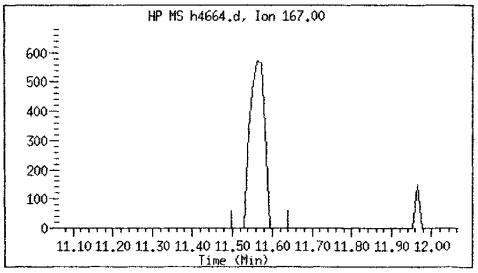


105 Pentachloroethane CAS#: 76-01-7 Reason: M1



Electronic Signature Applied

User: root
Date: 06/08/2008 18:52



170338

M1 - Target system did not integrate

170339

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608p.b/h4665.d
Lab Smp Id: 1201 Client Smp ID: V5APP9STD005
Inj Date : 08-JUN-2008 13:17
Operator : JCK Inst ID: msv5.i
Smp Info : 1201*V5APP9STD005
Misc Info : MSV~13459~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Meth Date : 11-Jun-2008 13:12 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 13:17 Cal File: h4665.d
Als bottle: 4 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)	ON-COL (ppb)	SIMILARITY
10 Ethyl Ether	59	3.196	3.196	(0.448)	64082	25.0000	26.0	8991
16 Allyl chloride	39	4.087	4.087	(0.573)	15831	5.00000	5.15	7066
25 Isopropyl Ether	45	5.120	5.120	(0.718)	55301	5.00000	4.83	8073(a)
26 Chloroprene	53	5.207	5.207	(0.730)	20171	5.00000	5.19	7285
38 Tetrahydrofuran	42	6.315	6.315	(0.886)	49448	25.0000	25.2	5504
37 Ethyl Acetate	43	6.293	6.293	(0.883)	116848	25.0000	25.7	5118
46 Propionitrile	54	6.772	6.772	(0.950)	18805	25.0000	26.4	8212
47 Methacrylonitrile	41	6.782	6.782	(0.951)	19887	5.00000	5.57	8273
* 52 FLUOROBENZENE	96	7.130	7.130	(1.000)	562994	50.0000		
50 Isobutyl Alcohol	43	6.967	6.967	(0.977)	7546	25.0000	25.7	6124
58 2-3 Dichloro-1-Proprene	75	7.760	7.760	(1.088)	28040	5.00000	5.25	8984
56 n-Butanol	56	7.619	7.619	(1.069)	4745	25.0000	25.8	6628
74 Ethyl Methacrylate	41	9.085	9.085	(0.917)	23051	5.00000	4.77	7689(a)
63 1,4- Dioxane	58	8.010	8.010	(1.123)	5191	125.000	128	5507

170340

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
70	2-nitropropane	43	8.825	8.825	(1.238)	7125	5.00000	5.66	6894
62	Methyl Methacrylate	69	7.977	7.977	(1.119)	16550	5.00000	4.89	7444
78	1-nitropropane	43	9.455	9.455	(1.326)	5309	5.00000	5.72	7055
* 83	CHLOROBENZENE-d5	82	9.911	9.911	(1.000)	247333	50.0000		
92	1,5 Cyclooctadiene	67	10.660	10.660	(1.495)	26951	5.00000	4.91	9125(a)
102	Cyclohexanone	55	11.312	11.312	(1.141)	10016	10.0000	11.8	7233
105	Pentachloroethane	167	11.562	11.562	(0.963)	7486	5.00000	5.02	9173
* 111	1,4-DICHLOROBENZENE-D4	152	12.008	12.008	(1.000)	172514	50.0000		
121	Benzal Chloride	125	13.940	13.940	(1.161)	7518	10.0000	16.6	7218

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

170341

Data File: /var/chem/msv5.i/2080608p.b/h4665.d

Page 1

Date : 08-JUN-2008 13:17

Client ID: V5APP9STD005

Instrument: msv5.i

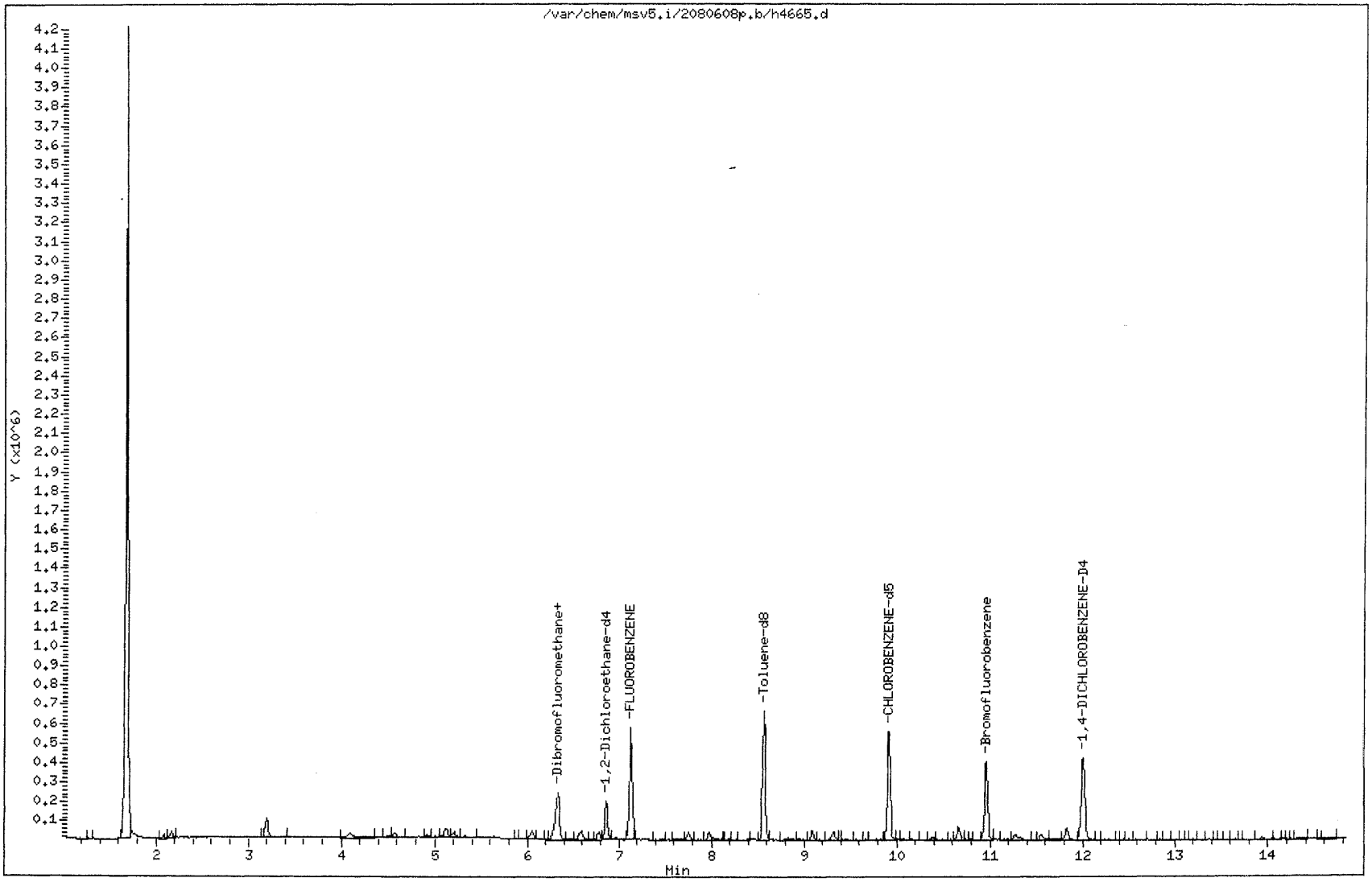
Sample Info: 1201*V5APP9STD005

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-30M

Column diameter: 0.53

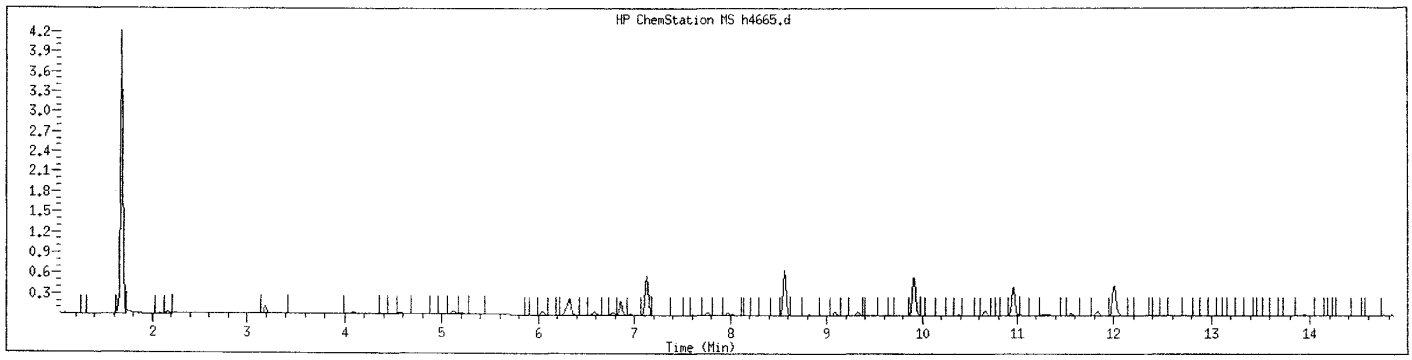


170342

Data file : /var/chem/msv5.i/2080608p.b/h4665.d
Report Date: 06/11/2008 13:12

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1201	SampleType	: CALIB_1
Injection Date	: 06/08/2008 13:17	Instrument	: msv5.i
Operator	: JCK		
Sample Info	: 1201*V5APP9STD005		
Misc Info	: MSV~13459~*1*JCK		
Method	: /var/chem/msv5.i/2080608q.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: APP9



NO MANUAL INTEGRATIONS

170343

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608p.b/h4666.d
Lab Smp Id: 1208 Client Smp ID: V5APP9STD010
Inj Date : 08-JUN-2008 13:56
Operator : JCK Inst ID: msv5.i
Smp Info : 1208*V5APP9STD010
Misc Info : MSV~13459~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Meth Date : 11-Jun-2008 13:12 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 13:56 Cal File: h4666.d
Als bottle: 5 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)	ON-COL (ppb)	SIMILARITY
10 Ethyl Ether	59	3.196	3.196	(0.448)	135470	50.0000	54.4	9463
16 Allyl chloride	39	4.098	4.098	(0.575)	30710	10.0000	9.89	8544
25 Isopropyl Ether	45	5.120	5.120	(0.718)	113306	10.0000	9.79	9139
26 Chloroprene	53	5.207	5.207	(0.730)	39259	10.0000	10.0	8084
38 Tetrahydrofuran	42	6.316	6.316	(0.886)	98862	50.0000	49.9	7140
37 Ethyl Acetate	43	6.294	6.294	(0.883)	241523	50.0000	52.7	4827
46 Propionitrile	54	6.772	6.772	(0.950)	37907	50.0000	52.7	8362
47 Methacrylonitrile	41	6.794	6.794	(0.953)	34963	10.0000	9.69	9260
* 52 FLUOROBENZENE	96	7.131	7.131	(1.000)	568469	50.0000		
50 Isobutyl Alcohol	43	6.968	6.968	(0.977)	16377	50.0000	55.3	7922
58 2-3 Dichloro-1-Proprene	75	7.761	7.761	(1.088)	55752	10.0000	10.3	9386
56 n-Butanol	56	7.609	7.609	(1.067)	9862	50.0000	53.0	7832
74 Ethyl Methacrylate	41	9.086	9.086	(0.916)	48391	10.0000	9.79	7245
63 1,4- Dioxane	58	8.032	8.032	(1.126)	10949	250.000	267	7790

170344

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
70 2-nitropropane	43	8.825	8.825	(1.238)	13351	10.0000	10.5	8153
62 Methyl Methacrylate	69	7.978	7.978	(1.119)	34753	10.0000	10.2	7747
78 1-nitropropane	43	9.456	9.456	(1.326)	8623	10.0000	9.20	7988
* 83 CHLOROBENZENE-d5	82	9.923	9.923	(1.000)	253016	50.0000		
92 1,5 Cyclooctadiene	67	10.672	10.672	(1.497)	54321	10.0000	9.80	9353
102 Cyclohexanone	55	11.313	11.313	(1.140)	17248	20.0000	19.8	8176
105 Pentachloroethane	167	11.563	11.563	(0.963)	15460	10.0000	9.63	9357
* 111 1,4-DICHLOROBENZENE-D4	152	12.009	12.009	(1.000)	185872	50.0000		
121 Benzal Chloride	125	13.942	13.942	(1.161)	16111	20.0000	22.1	8422

170345

Data File: /var/chem/msv5.i/2080608p.b/h4666.d

Date : 08-JUN-2008 13:56

Client ID: V5APP9STD010

Instrument: msv5.i

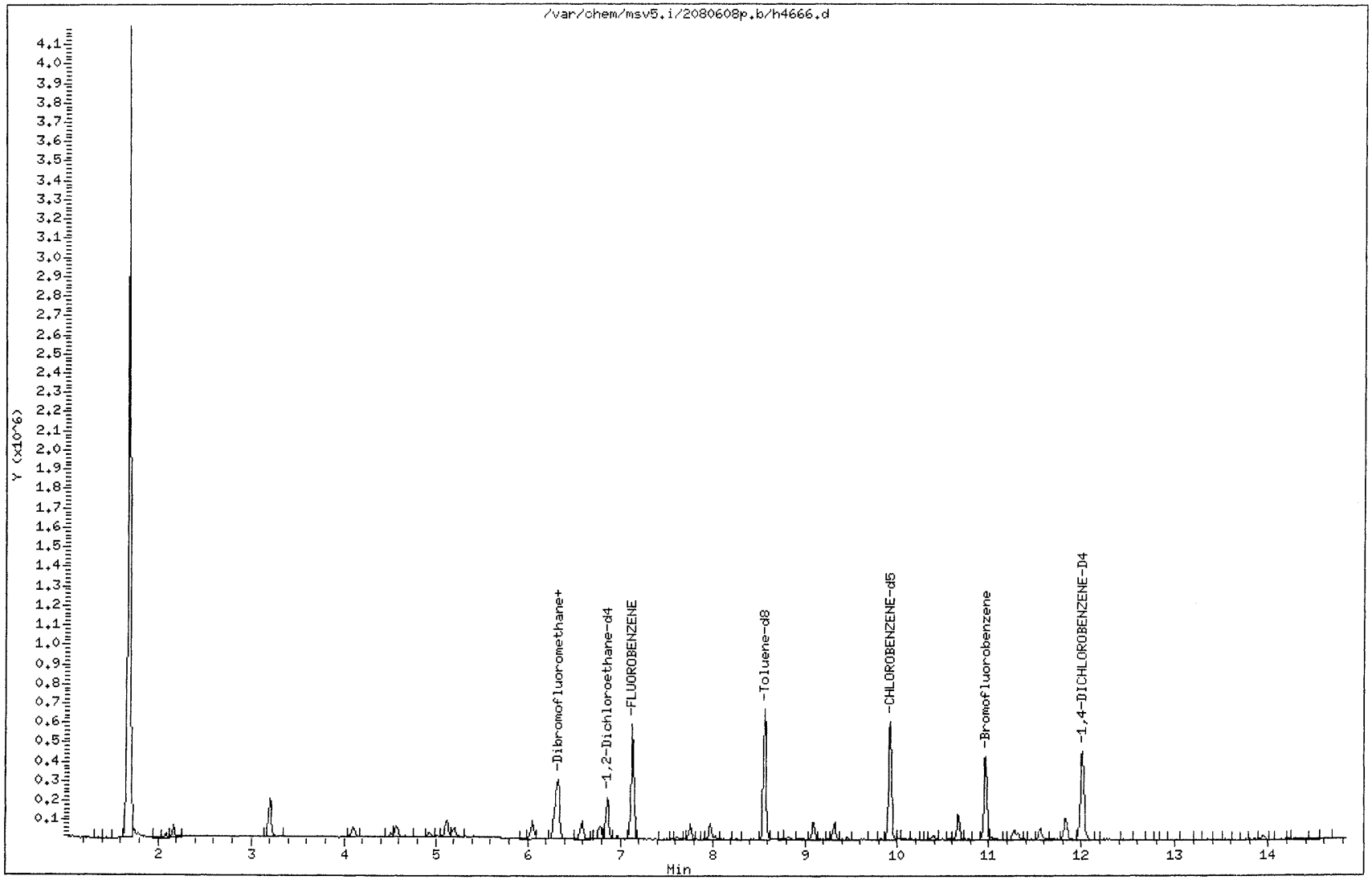
Sample Info: 1208*V5APP9STD010

Purge Volume: 5.0

Operator: JCK

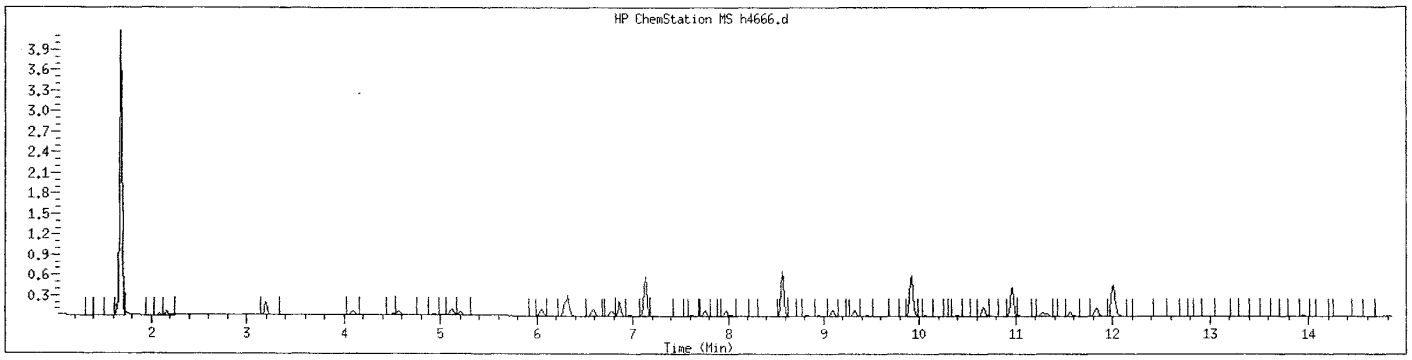
Column phase: DB-VRX-30M

Column diameter: 0.53



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1208	SampleType	: CALIB_8
Injection Date	: 06/08/2008 13:56	Instrument	: msv5.i
Operator	: JCK		
Sample Info	: 1208*V5APP9STD010		
Misc Info	: MSV~13459~*1*JCK		
Method	: /var/chem/msv5.i/2080608q.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist:	APP9



NO MANUAL INTEGRATIONS

170347

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608p.b/h4667.d
Lab Smp Id: 1202 Client Smp ID: V5APP9STD020
Inj Date : 08-JUN-2008 15:23
Operator : JCK Inst ID: msv5.i
Smp Info : 1202*V5APP9STD020
Misc Info : MSV~13459~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Meth Date : 11-Jun-2008 13:12 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 15:23 Cal File: h4667.d
Als bottle: 6 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
	10 Ethyl Ether	59	3.197	3.197	(0.448)	252922	100.000	98.9	9683
	16 Allyl chloride	39	4.099	4.099	(0.575)	65270	20.0000	20.5	8965
	25 Isopropyl Ether	45	5.121	5.121	(0.718)	236339	20.0000	19.9	9381
	26 Chloroprene	53	5.208	5.208	(0.730)	74262	20.0000	18.4	8819
	38 Tetrahydrofuran	42	6.317	6.317	(0.886)	197998	100.000	97.3	8156
	37 Ethyl Acetate	43	6.295	6.295	(0.883)	472449	100.000	100	4626
	46 Propionitrile	54	6.773	6.773	(0.950)	68980	100.000	93.3	8439
	47 Methacrylonitrile	41	6.784	6.784	(0.951)	68960	20.0000	18.6	8893
*	52 FLUOROBENZENE	96	7.132	7.132	(1.000)	584049	50.0000		
	50 Isobutyl Alcohol	43	6.969	6.969	(0.977)	27181	100.000	89.3	8303
	58 2-3 Dichloro-1-Proprene	75	7.762	7.762	(1.088)	117243	20.0000	21.1	9545
	56 n-Butanol	56	7.610	7.610	(1.067)	16218	100.000	84.9	8342
	74 Ethyl Methacrylate	41	9.099	9.099	(0.917)	94774	20.0000	18.6	7252
	63 1,4- Dioxane	58	8.023	8.023	(1.125)	21134	500.000	502	8201

170348

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
70 2-nitropropane	43	8.827	8.827	(1.238)	24344	20.0000	18.6	8881
62 Methyl Methacrylate	69	7.980	7.980	(1.119)	66492	20.0000	18.9	7920
78 1-nitropropane	43	9.457	9.457	(1.326)	19892	20.0000	20.7	8430
* 83 CHLOROBENZENE-d5	82	9.924	9.924	(1.000)	260841	50.0000		
92 1,5 Cyclooctadiene	67	10.663	10.663	(1.495)	113997	20.0000	20.0	9387
102 Cyclohexanone	55	11.315	11.315	(1.140)	32337	40.0000	36.1	9056
105 Pentachloroethane	167	11.565	11.565	(0.963)	34780	20.0000	21.0	9654
* 111 1,4-DICHLOROBENZENE-D4	152	12.011	12.011	(1.000)	191356	50.0000		
121 Benzal Chloride	125	13.944	13.944	(1.161)	37214	40.0000	35.9	8821

170349

Data File: /var/chem/msv5.i/2080608p.b/h4667.d

Date : 08-JUN-2008 15:23

Client ID: V5APP9STD020

Instrument: msv5.i

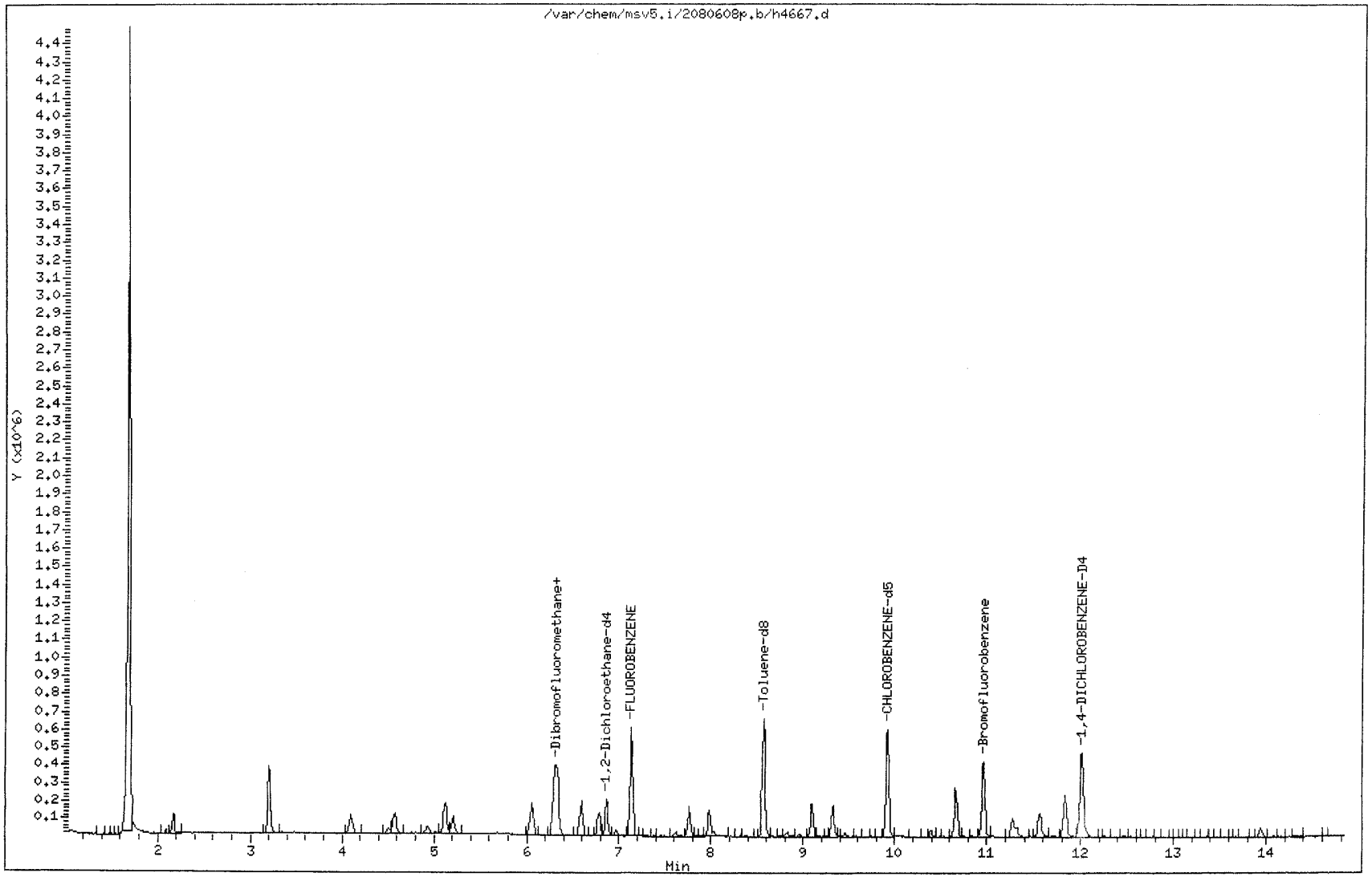
Sample Info: 1202*V5APP9STD020

Purge Volume: 5.0

Operator: JCK

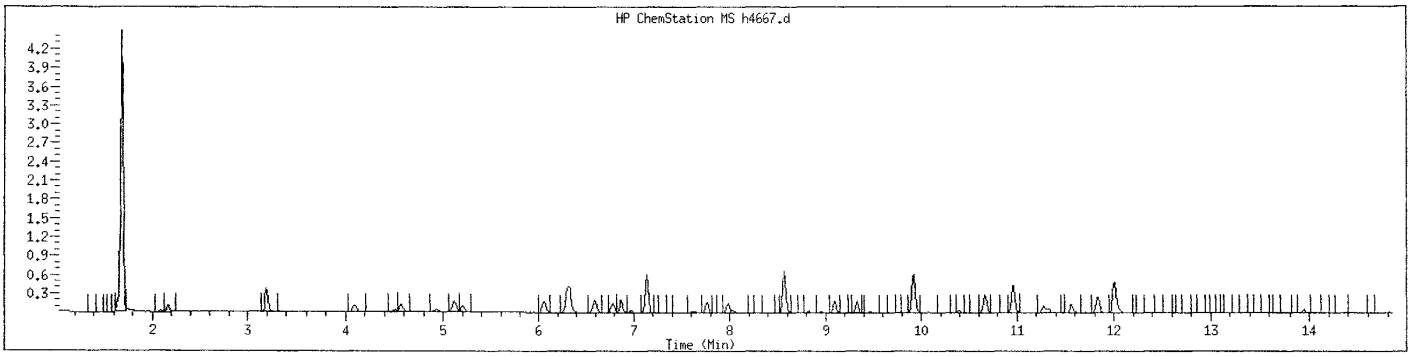
Column phase: DB-VRX-30M

Column diameter: 0.53



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1202	SampleType	: CALIB_2
Injection Date	: 06/08/2008 15:23	Instrument	: msv5.i
Operator	: JCK		
Sample Info	: 1202*V5APP9STD020		
Misc Info	: MSV~13459~*1*JCK		
Method	: /var/chem/msv5.i/2080608q.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: APP9



NO MANUAL INTEGRATIONS

170351

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608p.b/h4668.d
Lab Smp Id: 1203 Client Smp ID: V5APP9STD050
Inj Date : 08-JUN-2008 15:56
Operator : JCK Inst ID: msv5.i
Smp Info : 1203*V5APP9STD050
Misc Info : MSV~13459~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Meth Date : 11-Jun-2008 13:13 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 15:56 Cal File: h4668.d
Als bottle: 7 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
	10 Ethyl Ether	59	3.196	3.196	(0.448)	615220	250.000	239	9783
	16 Allyl chloride	39	4.098	4.098	(0.575)	153719	50.0000	47.9	8979
	25 Isopropyl Ether	45	5.121	5.121	(0.718)	559706	50.0000	46.8	9407
	26 Chloroprene	53	5.208	5.208	(0.730)	186091	50.0000	45.9	8873
	38 Tetrahydrofuran	42	6.316	6.316	(0.886)	505981	250.000	247	8615
	37 Ethyl Acetate	43	6.295	6.295	(0.883)	1212789	250.000	256	4338
	46 Propionitrile	54	6.773	6.773	(0.950)	189126	250.000	254	8862
	47 Methacrylonitrile	41	6.784	6.784	(0.951)	180549	50.0000	48.4	8687
*	52 FLUOROBENZENE	96	7.132	7.132	(1.000)	587502	50.0000		
	50 Isobutyl Alcohol	43	6.969	6.969	(0.977)	69778	250.000	228	9399
	58 2-3 Dichloro-1-Proprene	75	7.762	7.762	(1.088)	278597	50.0000	49.9	9560
	56 n-Butanol	56	7.621	7.621	(1.069)	49640	250.000	258	9152
	74 Ethyl Methacrylate	41	9.099	9.099	(0.917)	242473	50.0000	48.1	7096
	63 1,4- Dioxane	58	8.034	8.034	(1.126)	55679	1250.00	1310	8853

170352

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	70 2-nitropropane	43	8.827	8.827	(1.238)	65253	50.0000	49.7	8940
	62 Methyl Methacrylate	69	7.979	7.979	(1.119)	174488	50.0000	49.4	8050
	78 1-nitropropane	43	9.457	9.457	(1.326)	47669	50.0000	49.2	8412
*	83 CHLOROBENZENE-d5	82	9.925	9.925	(1.000)	257786	50.0000		
	92 1,5 Cyclooctadiene	67	10.664	10.664	(1.495)	274014	50.0000	47.8	9321
	102 Cyclohexanone	55	11.316	11.316	(1.140)	92189	100.000	104	9192
	105 Pentachloroethane	167	11.566	11.566	(0.963)	80663	50.0000	50.2	9588
*	111 1,4-DICHLOROBENZENE-D4	152	12.012	12.012	(1.000)	186089	50.0000		
	121 Benzal Chloride	125	13.945	13.945	(1.161)	111844	100.000	87.7	8928

170353

Data File: /var/chem/msv5.i/2080608p.b/h4668.d

Page 1

Date : 08-JUN-2008 15:56

Client ID: V5APP9STD050

Instrument: msv5.i

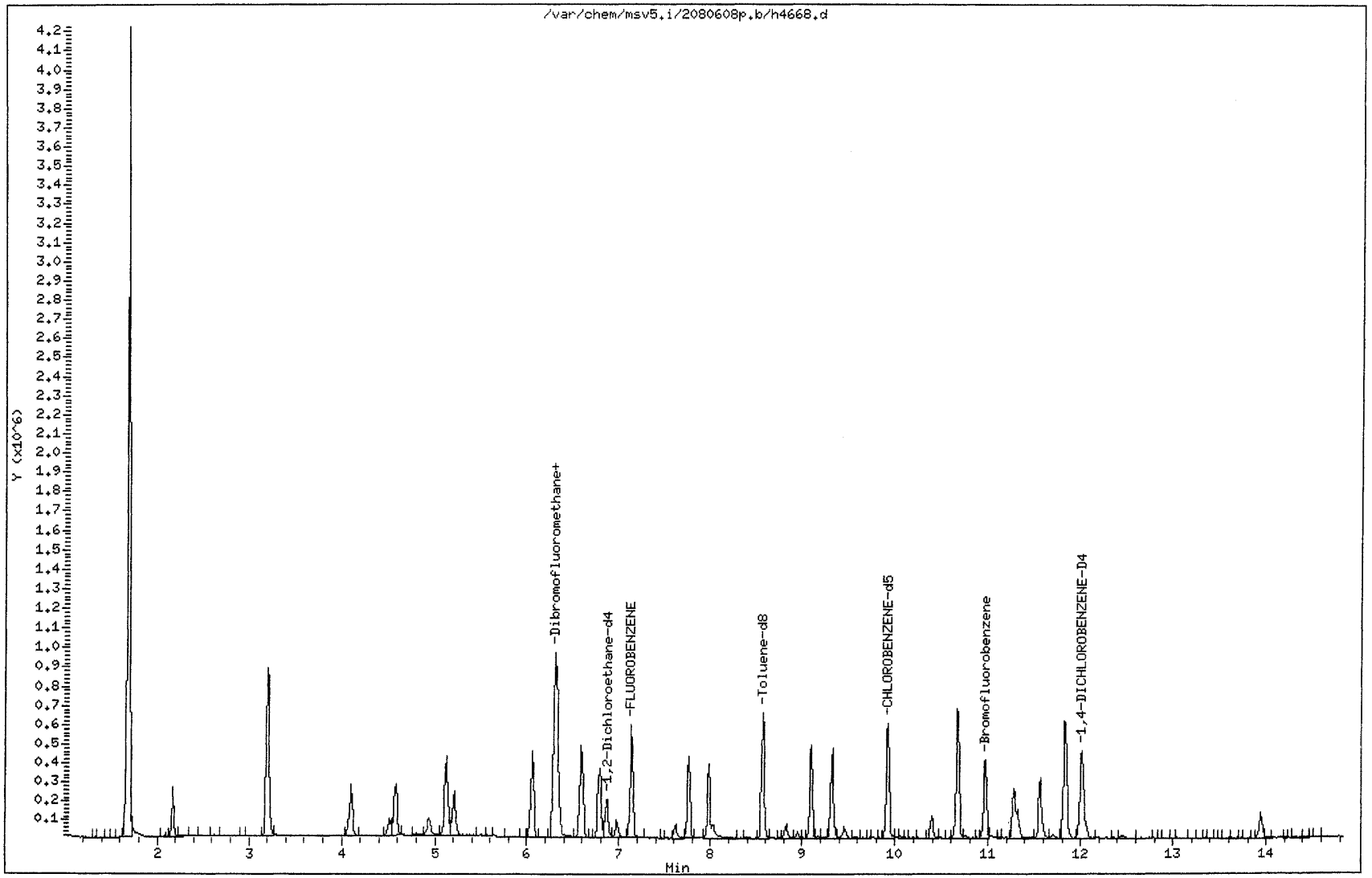
Sample Info: 1203*V5APP9STD050

Purge Volume: 5.0

Operator: JCK

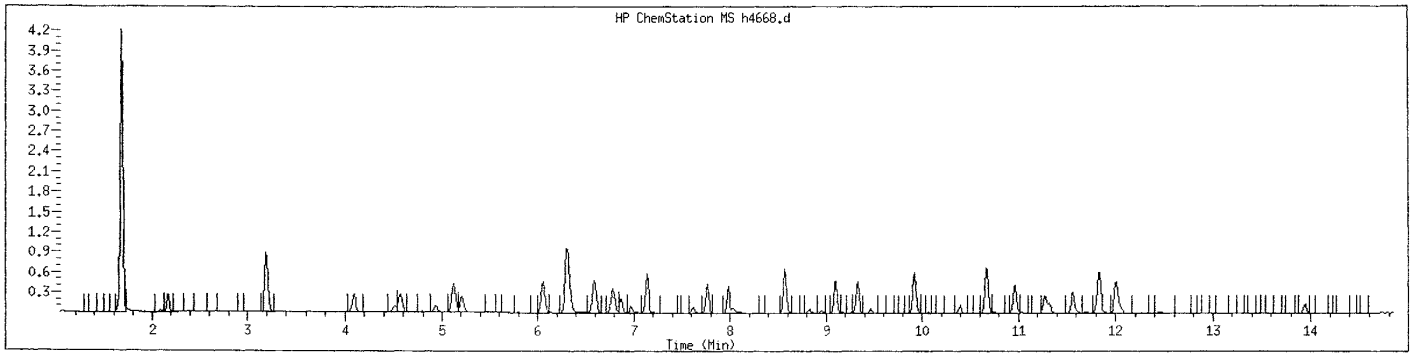
Column phase: DB-VRX-30M

Column diameter: 0.53



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 06/08/2008 15:56	Instrument	: msv5.i
Operator	: JCK		
Sample Info	: 1203*V5APP9STD050		
Misc Info	: MSV~13459~*1*JCK		
Method	: /var/chem/msv5.i/2080608q.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: APP9



NO MANUAL INTEGRATIONS

170355

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608p.b/h4669.d
Lab Smp Id: 1204 Client Smp ID: V5APP9STD100
Inj Date : 08-JUN-2008 16:25
Operator : JCK Inst ID: msv5.i
Smp Info : 1204*V5APP9STD100
Misc Info : MSV~13459~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Meth Date : 11-Jun-2008 13:13 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 16:25 Cal File: h4669.d
Als bottle: 8 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
10 Ethyl Ether	59	3.196	3.196	(0.448)	1177353	500.000	484	9724
16 Allyl chloride	39	4.087	4.087	(0.573)	298037	100.000	98.2	9119
25 Isopropyl Ether	45	5.120	5.120	(0.718)	1073675	100.000	94.9	9349
26 Chloroprene	53	5.207	5.207	(0.730)	364887	100.000	95.1	8849
38 Tetrahydrofuran	42	6.316	6.316	(0.886)	910832	500.000	470	8484
37 Ethyl Acetate	43	6.294	6.294	(0.883)	2160524	500.000	482	4455
46 Propionitrile	54	6.773	6.773	(0.950)	358084	500.000	509	8532
47 Methacrylonitrile	41	6.784	6.784	(0.951)	328891	100.000	93.3	8748
* 52 FLUOROBENZENE	96	7.132	7.132	(1.000)	555651	50.0000		
50 Isobutyl Alcohol	43	6.969	6.969	(0.977)	136833	500.000	473	9406
58 2-3 Dichloro-1-Proprene	75	7.762	7.762	(1.088)	521570	100.000	98.9	9574
56 n-Butanol	56	7.621	7.621	(1.069)	92515	500.000	509	9595
74 Ethyl Methacrylate	41	9.088	9.088	(0.916)	461450	100.000	95.5	7142
63 1,4- Dioxane	58	8.023	8.023	(1.125)	107507	2500.00	2680	9109

170356

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
70 2-nitropropane	43	8.827	8.827	(1.238)	117889	100.000	94.9	8798
62 Methyl Methacrylate	69	7.980	7.980	(1.119)	315137	100.000	94.3	7883
78 1-nitropropane	43	9.458	9.458	(1.326)	87720	100.000	95.7	8396
* 83 CHLOROBENZENE-d5	82	9.925	9.925	(1.000)	247197	50.0000		
92 1,5 Cyclooctadiene	67	10.664	10.664	(1.495)	543312	100.000	100	9308
102 Cyclohexanone	55	11.317	11.317	(1.140)	155566	200.000	183	9283
105 Pentachloroethane	167	11.567	11.567	(0.964)	160488	100.000	105	9636
* 111 1,4-DICHLOROBENZENE-D4	152	12.003	12.003	(1.000)	176922	50.0000		
121 Benzal Chloride	125	13.947	13.947	(1.162)	247824	200.000	190	9086

170357

Data File: /var/chem/msv5.i/2080608p.b/h4669.d

Date : 08-JUN-2008 16:25

Client ID: V5APP9STD100

Instrument: msv5.i

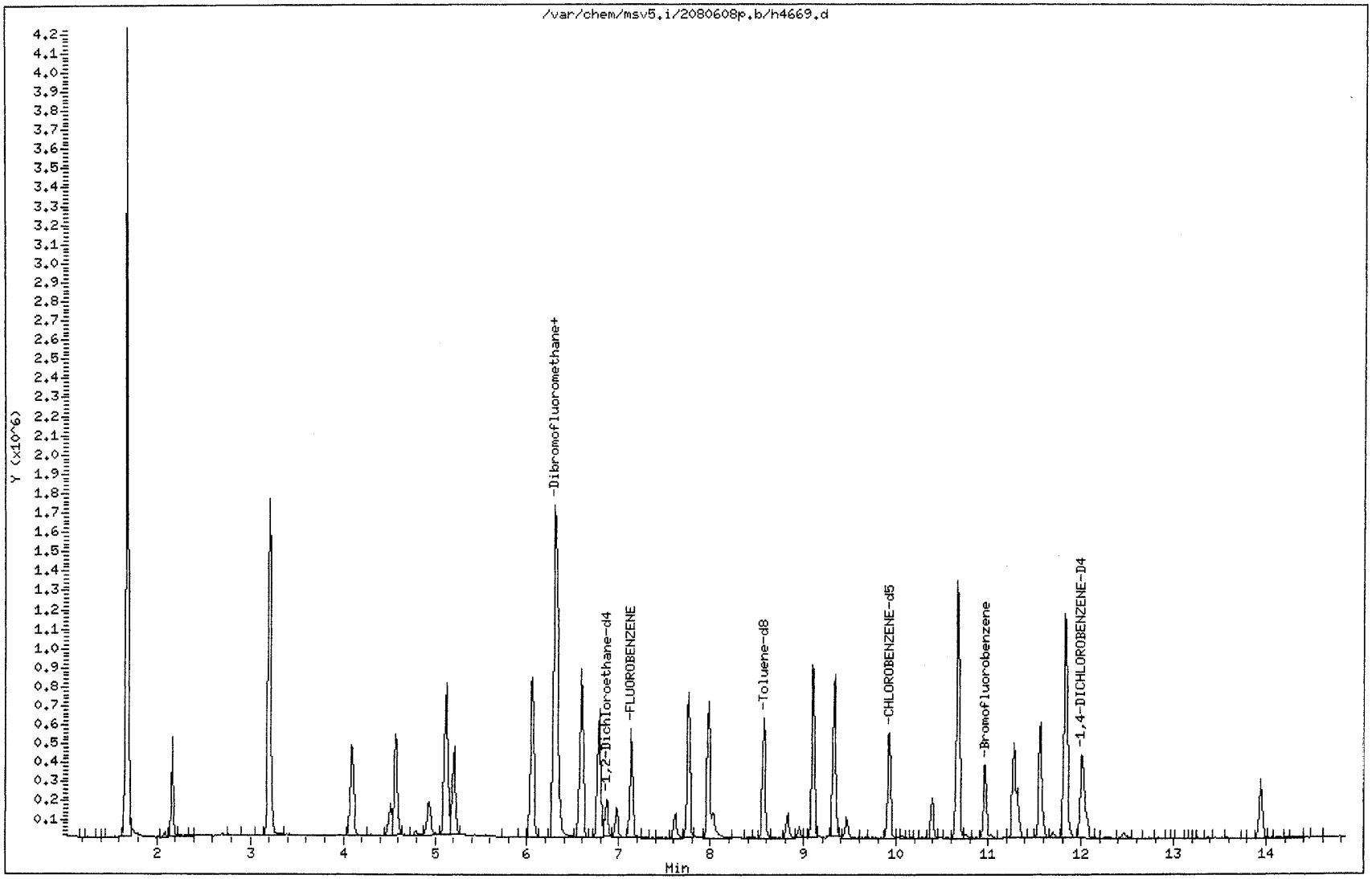
Sample Info: 1204*V5APP9STD100

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-30M

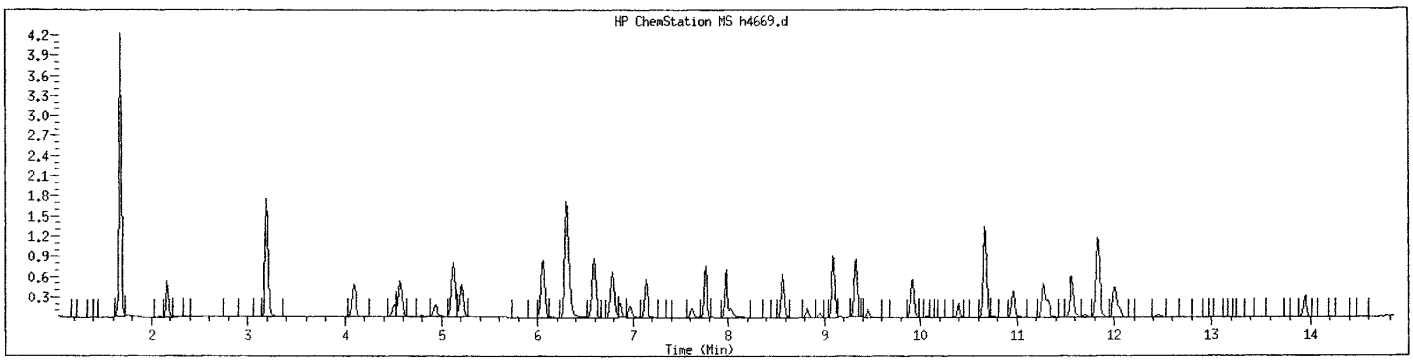
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080608p.b/h4669.d
Report Date: 06/11/2008 13:13

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1204	SampleType	: CALIB_4
Injection Date	: 06/08/2008 16:25	Instrument	: msv5.i
Operator	: JCK		
Sample Info	: 1204*V5APP9STD100		
Misc Info	: MSV~13459~*1*JCK		
Method	: /var/chem/msv5.i/2080608q.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: APP9



NO MANUAL INTEGRATIONS

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608p.b/h4670.d
Lab Smp Id: 1205 Client Smp ID: V5APP9STD200
Inj Date : 08-JUN-2008 16:50
Operator : JCK Inst ID: msv5.i
Smp Info : 1205*V5APP9STD200
Misc Info : MSV~13459~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Meth Date : 11-Jun-2008 13:13 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 9 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
10 Ethyl Ether	59	3.196	3.196	(0.448)	2213869	1000.00	919	9703
16 Allyl chloride	39	4.088	4.088	(0.573)	546388	200.000	182	8988
25 Isopropyl Ether	45	5.121	5.121	(0.718)	2045424	200.000	183	9219
26 Chloroprene	53	5.208	5.208	(0.730)	726616	200.000	191	8766
38 Tetrahydrofuran	42	6.317	6.317	(0.886)	1857691	1000.00	969	8324(A)
37 Ethyl Acetate	43	6.295	6.295	(0.883)	4214044	1000.00	951	4468
46 Propionitrile	54	6.774	6.774	(0.950)	740909	1000.00	1060	8623(A)
47 Methacrylonitrile	41	6.785	6.785	(0.951)	650355	200.000	186	8548
* 52 FLUOROBENZENE	96	7.133	7.133	(1.000)	549789	50.0000		
50 Isobutyl Alcohol	43	6.981	6.981	(0.979)	265504	1000.00	927	9626
58 2-3 Dichloro-1-Proprene	75	7.763	7.763	(1.088)	1003638	200.000	192	9509
56 n-Butanol	56	7.622	7.622	(1.069)	180120	1000.00	1000	9594(A)
74 Ethyl Methacrylate	41	9.090	9.090	(0.917)	942374	200.000	204	7142(A)
63 1,4- Dioxane	58	8.035	8.035	(1.127)	214006	5000.00	5400	9361(A)

170360

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
70	2-nitropropane	43	8.829	8.829	(1.238)	232252	200.000	189	8817
62	Methyl Methacrylate	69	7.981	7.981	(1.119)	628380	200.000	190	7874
78	1-nitropropane	43	9.460	9.460	(1.326)	174654	200.000	193	8107
* 83	CHLOROBENZENE-d5	82	9.916	9.916	(1.000)	236421	50.0000		
92	1,5 Cyclooctadiene	67	10.666	10.666	(1.495)	1026097	200.000	191	9370
102	Cyclohexanone	55	11.319	11.319	(1.141)	314545	400.000	387	9264
105	Pentachloroethane	167	11.570	11.570	(0.964)	309297	200.000	198	9708
* 111	1,4-DICHLOROBENZENE-D4	152	12.005	12.005	(1.000)	180682	50.0000		
121	Benzal Chloride	125	13.939	13.939	(1.161)	561281	400.000	407	9064(A)

QC Flag Legend

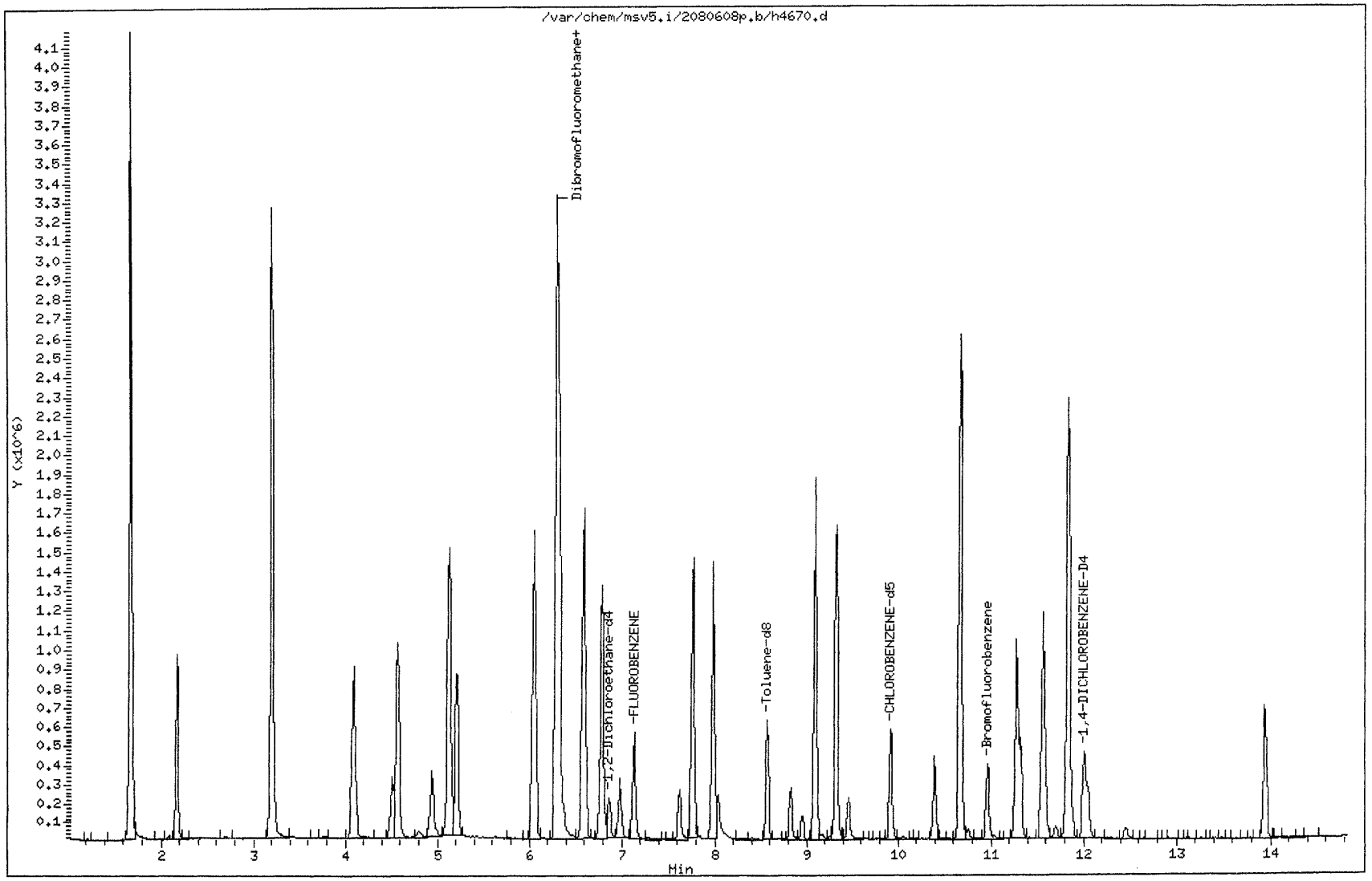
A - Target compound detected but, quantitated amount exceeded maximum amount.

170361

Data File: /var/chem/msv5.i/2080608p.b/h4670.d
Date : 08-JUN-2008 16:50
Client ID: V5APP9STD200
Sample Info: 1205*V5APP9STD200
Purge Volume: 5.0
Column phase: DB-VRX-30M

Instrument: msv5.i

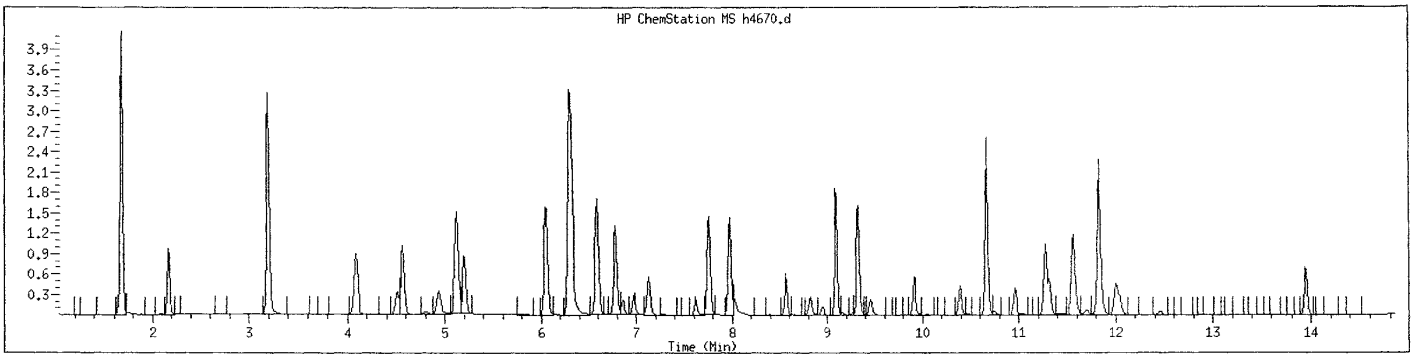
Operator: JCK
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080608p.b/h4670.d Page: 1
Report Date: 06/11/2008 13:13

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 06/08/2008 16:50	Instrument	: msv5.i
Operator	: JCK		
Sample Info	: 1205*V5APP9STD200		
Misc Info	: MSV~13459~*1*JCK		
Method	: /var/chem/msv5.i/2080608q.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: APP9



NO MANUAL INTEGRATIONS

170363

Data File: /var/chem/msv5.i/2080608p.b/h4672.d
Report Date: 10-Jun-2008 10:43

GCAL, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 1600
Level: LOW
Data Type: MS DATA
SpikeList File: app9icv.spk
Sublist File: APP9.sub
Method File: /var/chem/msv5.i/2080608p.b/8260Bw5.m
Misc Info: MSV~13459~*1*JCK

Client SDG: 2080608p
Fraction: VOA
Client Smp ID: APP9ICV
Operator: JCK
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
47 Methacrylonitrile	50.0	47.0	93.94	70-130
92 1,5 Cyclooctadiene	50.0	49.9	99.71	70-130
38 Tetrahydrofuran	250	215	85.90	70-130
10 Ethyl Ether	250	231	92.60	70-130
16 Allyl chloride	50.0	47.4	94.71	70-130
26 Chloroprene	50.0	45.6	91.30	70-130
46 Propionitrile	250	241	96.41	70-130
25 Isopropyl Ether	50.0	52.0	103.98	70-130
37 Ethyl Acetate	250	132	NT 52.63*	70-130
56 n-Butanol	250	256	102.33	70-130
58 2-3 Dichloro-1-Proprene	50.0	52.9	105.81	70-130
50 Isobutyl Alcohol	250	229	91.42	70-130
62 Methyl Methacrylate	50.0	43.7	87.34	70-130
63 1,4- Dioxane	1250	1220	97.80	70-130
74 Ethyl Methacrylate	50.0	43.2	86.43	70-130
102 Cyclohexanone	100	83.1	83.14	70-130
105 Pentachloroethane	50.0	51.8	103.66	75-125

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 39 Dibromofluoromethane	50.0	46.5	93.07	0-127
$ 48 1,2-Dichloroethane-d4	50.0	44.8	89.57	0-127
$ 67 Toluene-d8	50.0	48.0	96.08	0-134
$ 94 Bromofluorobenzene	50.0	47.8	95.52	0-130

170364

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608p.b/h4672.d
Lab Smp Id: 1600 Client Smp ID: APP9ICV
Inj Date : 08-JUN-2008 18:21
Operator : JCK Inst ID: msv5.i
Smp Info : 1600*APP9ICV
Misc Info : MSV~13459~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608p.b/8260Bw5.m
Meth Date : 10-Jun-2008 10:43 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 11 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)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
	10 Ethyl Ether	59	3.197	3.196	(0.448)	599011	231.496	231	9768
	16 Allyl chloride	39	4.088	4.088	(0.573)	152888	47.3566	47.4	9132
	25 Isopropyl Ether	45	5.121	5.121	(0.718)	625208	51.9897	52.0	9390
	26 Chloroprene	53	5.209	5.208	(0.730)	186313	45.6490	45.6	9062
	38 Tetrahydrofuran	42	6.317	6.317	(0.886)	442213	214.739	215	9278
	37 Ethyl Acetate	43	6.295	6.295	(0.883)	626652	131.587	132	4733(R)
	46 Propionitrile	54	6.774	6.774	(0.950)	180301	241.022	241	8764
	47 Methacrylonitrile	41	6.796	6.785	(0.953)	176149	46.9707	47.0	9388
*	52 FLUOROBENZENE	96	7.133	7.133	(1.000)	590834	50.0000		
	50 Isobutyl Alcohol	43	6.970	6.981	(0.977)	70353	228.556	229	9190
	58 2-3 Dichloro-1-Proprene	75	7.763	7.763	(1.088)	296825	52.9062	52.9	9582
	56 n-Butanol	56	7.622	7.622	(1.069)	49458	255.818	256	9513
	74 Ethyl Methacrylate	41	9.100	9.090	(0.917)	226928	43.2138	43.2	7151
	63 1,4- Dioxane	58	8.035	8.035	(1.126)	52079	1222.47	1220	8896

170365

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
	70 2-nitropropane	43	8.828	8.829	(1.238)	62513	47.3082	47.3	8945
	62 Methyl Methacrylate	69	7.980	7.981	(1.119)	155113	43.6721	43.7	7841
	78 1-nitropropane	43	9.458	9.460	(1.326)	44544	45.7121	45.7	8461
*	83 CHLOROBENZENE-d5	82	9.926	9.916	(1.000)	268665	50.0000		
	92 1,5 Cyclooctadiene	67	10.675	10.666	(1.497)	287240	49.8533	49.9	9417
	102 Cyclohexanone	55	11.317	11.319	(1.140)	76709	83.1356	83.1	9279
	105 Pentachloroethane	167	11.567	11.570	(0.963)	85704	51.8304	51.8	9663
*	111 1,4-DICHLOROBENZENE-D4	152	12.013	12.005	(1.000)	191479	50.0000		
	121 Benzal Chloride	125	13.946	13.939	(1.161)	108403	83.2438	83.2	8995
$	39 Dibromofluoromethane	111	6.339	6.328	(0.889)	158863	46.5354	46.5	6219
$	48 1,2-Dichloroethane-d4	67	6.872	6.861	(0.963)	85564	44.7864	44.8	
$	67 Toluene-d8	98	8.567	8.568	(0.863)	503074	48.0377	48.0	
$	94 Bromofluorobenzene	174	10.969	10.971	(1.105)	150900	47.7596	47.8	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

170366

Data File: /var/chem/msv5.i/2080608p.b/h4672.d

Date : 08-JUN-2008 18:21

Client ID: APP9ICV

Instrument: msv5.i

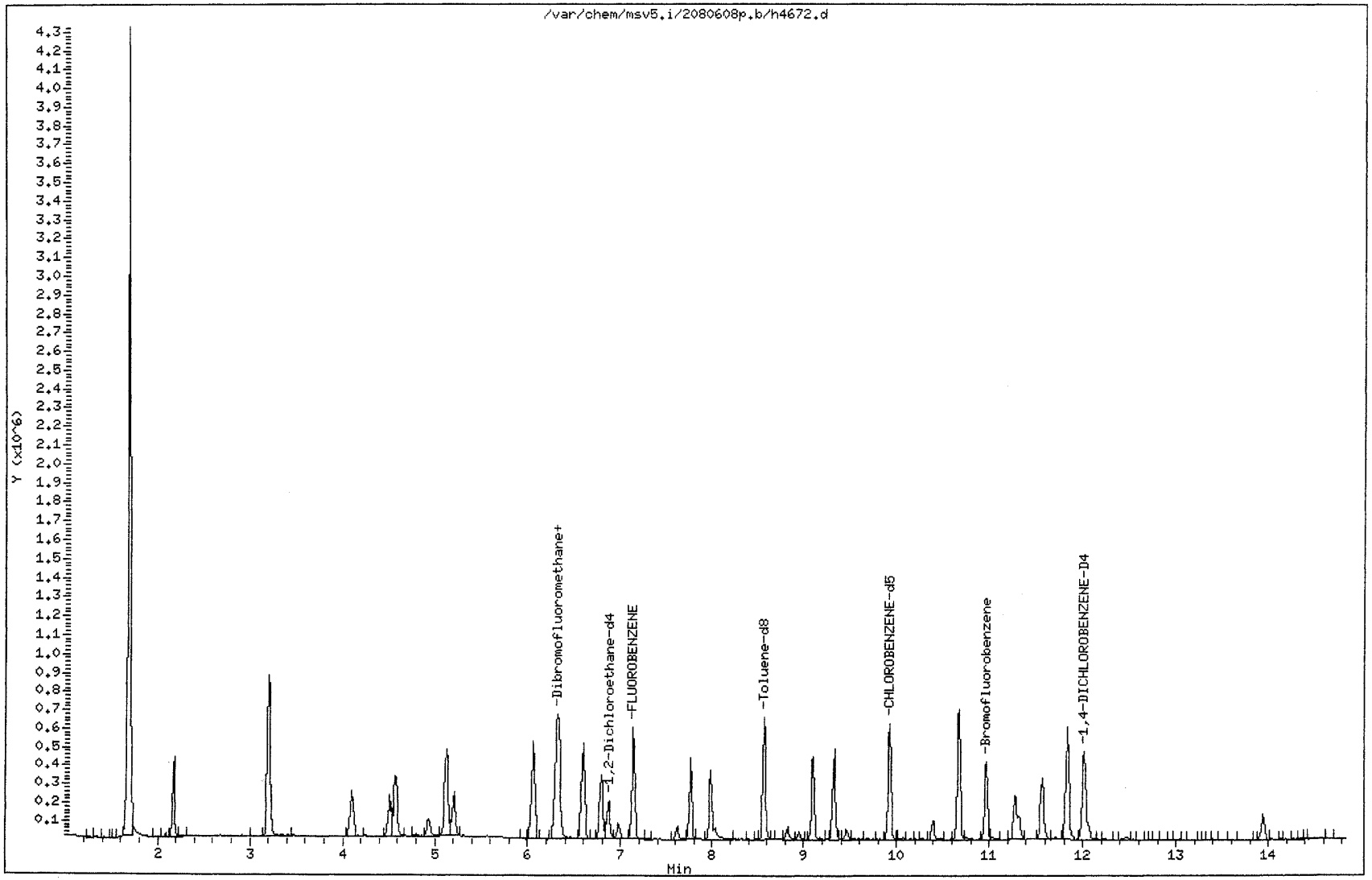
Sample Info: 1600*APP9ICV

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-30M

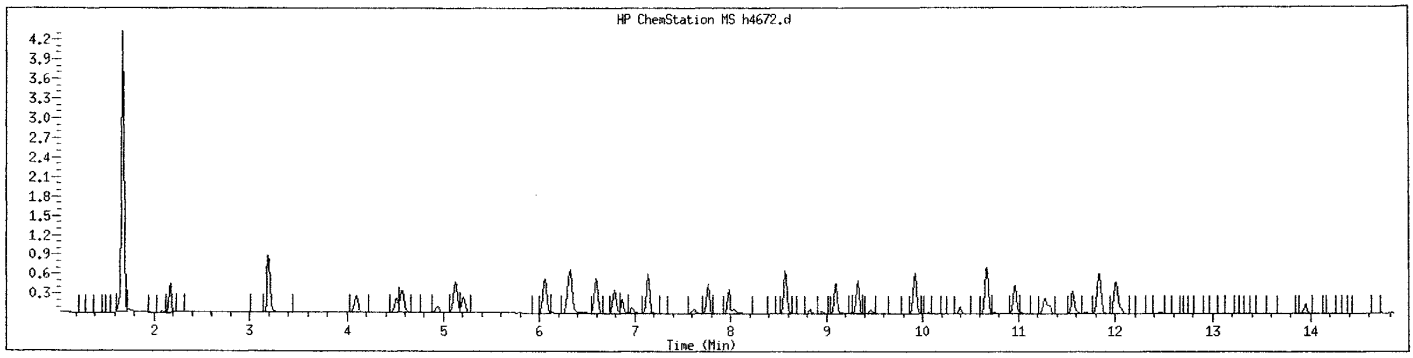
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080608p.b/h4672.d
Report Date: 06/10/2008 10:43

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 06/08/2008 18:21	Instrument	: msv5.i
Operator	: JCK		
Sample Info	: 1600*APP9ICV		
Misc Info	: MSV~13459~*1*JCK		
Method	: /var/chem/msv5.i/2080608p.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: APP9



NO MANUAL INTEGRATIONS

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608q.b/h4673.d
Lab Smp Id: 1000 Client Smp ID: V5BFB001
Inj Date : 08-JUN-2008 19:02
Operator : JCK Inst ID: msv5.i
Smp Info : 1000*V5BFB001
Misc Info : MSV~13440~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/bfb1.m
Meth Date : 29-Apr-2008 10:01 root 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		
10.963	10.648 (0.000)	95	68656			100.00- 100.00	100.00
10.963	10.648 (0.000)	50	13618			15.00- 40.00	19.84
10.963	10.648 (0.000)	75	30029			30.00- 60.00	43.74
10.963	10.648 (0.000)	96	4511			5.00- 9.00	6.57
10.963	10.648 (0.000)	173	0			0.00- 2.00	0.00
10.963	10.648 (0.000)	174	46496			50.00- 120.00	67.72
10.963	10.648 (0.000)	175	3707			5.00- 9.00	7.97
10.963	10.648 (0.000)	176	46242			95.00- 101.00	99.45
10.963	10.648 (0.000)	177	2636			5.00- 9.00	5.70

170369

Data File: /var/chem/msv5.i/2080608q.b/h4673.d

Date : 08-JUN-2008 19:02

Client ID: V5BFB001

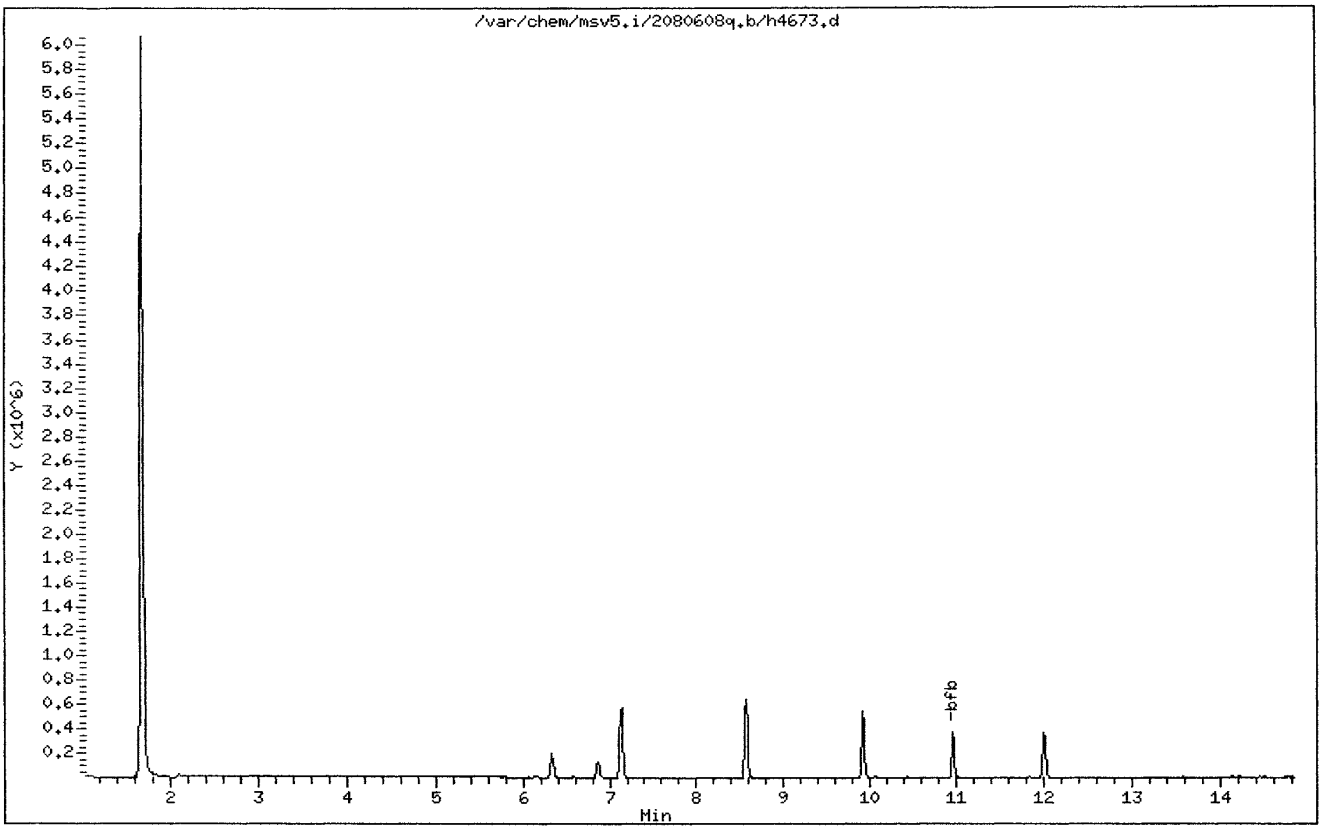
Instrument: msv5.i

Sample Info: 1000xV5BFB001

Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53



170370

Data File: /var/chem/msv5.i/2080608q.b/h4673.d

Date : 08-JUN-2008 19:02

Client ID: V5BFB001

Instrument: msv5.i

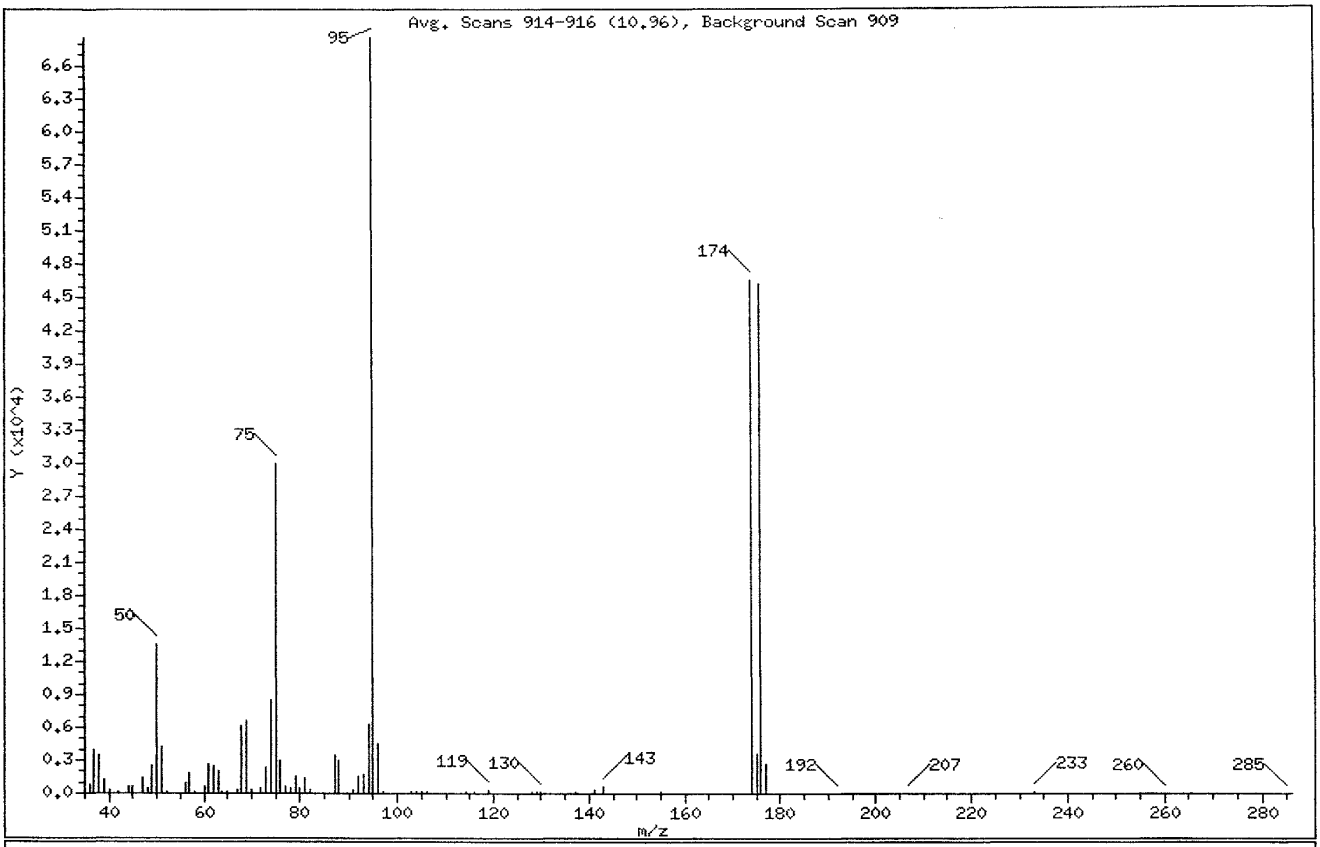
Sample Info: 1000*V5BFB001

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	19.84
75	30.00 - 60.00% of mass 95	43.74
96	5.00 - 9.00% of mass 95	6.57
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	67.72
175	5.00 - 9.00% of mass 174	5.40 (7.97)
176	95.00 - 101.00% of mass 174	67.35 (99.45)
177	5.00 - 9.00% of mass 176	3.84 (5.70)

170371

Data File: /var/chem/msv5.i/2080608q.b/h4673.d

Date : 08-JUN-2008 19:02

Client ID: V5BFB001 Instrument: msv5.i

Sample Info: 1000xV5BFB001

Operator: JCK

Column phase: DB-624-30M Column diameter: 0.53

Data File: h4673.d
Spectrum: Avg. Scans 914-916 (10.96), Background Scan 909
Location of Maximum: 95.00
Number of points: 80

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	737	62.00	2562	88.00	3035	137.00	140
37.00	3902	63.00	2111	91.00	255	141.00	336
38.00	3431	64.00	131	92.00	1514	143.00	607
39.00	1314	65.00	103	93.00	1732	146.00	54
40.00	281	67.00	272	94.00	6362	155.00	98
41.00	52	68.00	6099	95.00	68656	159.00	51
42.00	156	69.00	6693	96.00	4511	174.00	46496
44.00	691	70.00	339	97.00	149	175.00	3707
45.00	641	71.00	60	103.00	109	176.00	46240
47.00	1433	72.00	398	104.00	221	177.00	2636
48.00	452	73.00	2424	105.00	126	178.00	64
49.00	2489	74.00	8575	106.00	214	192.00	53
50.00	13618	75.00	30024	114.00	118	207.00	40
51.00	4250	76.00	3000	115.00	63	233.00	81
52.00	180	77.00	589	116.00	171	260.00	58
56.00	871	78.00	436	119.00	285	265.00	50
57.00	1899	79.00	1562	125.00	72	285.00	58
58.00	90	80.00	449	128.00	144		
59.00	53	81.00	1485	129.00	138		
60.00	587	82.00	313	130.00	220		
61.00	2683	87.00	3541	131.00	63		

170372

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608q.b/h4674.d
Lab Smp Id: 1206 Client Smp ID: V5STD0.20
Inj Date : 08-JUN-2008 19:49
Operator : EGW Inst ID: msv5.i
Smp Info : 1206*V5STD0.20*6-23-8
Misc Info : MSV~13440~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Meth Date : 13-Jun-2008 10:24 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 19:49 Cal File: h4674.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	1.848	1.848	(0.259)	656	0.20000	0.168	(M1)
3	Vinyl Chloride +	62	2.141	2.141	(0.300)	1531	0.20000	0.349	(M1)
5	Bromomethane	94	2.511	2.511	(0.352)	1883	0.20000	2.11	
8	Chloroethane	64	2.652	2.652	(0.371)	801	0.20000		(M1)
9	Trichlorofluoromethane	101	2.826	2.826	(0.396)	888	0.20000		(M1)
12	Carbon Disulfide	76	3.468	3.468	(0.486)	3505	0.20000	0.440	(M1)
14	Methyl Iodide	142	3.609	3.609	(0.505)	1205	0.20000		
17	Methylene Chloride	49	4.251	4.251	(0.595)	2201	0.20000	0.498	(M1)
18	Acetone	43	4.359	4.359	(0.610)	6807	0.20000	1.58	
19	trans-1,2-Dichloroethene	61	4.468	4.468	(0.626)	1249	0.20000	0.624	(M1)
21	Hexane	57	4.566	4.566	(0.639)	1714	0.20000	0.401	0(M1)
22	MTBE	73	4.620	4.620	(0.647)	2385	0.20000		0(M1)
27	1,1-Dichloroethane ++	63	5.229	5.229	(0.732)	1834	0.20000	0.356	(M1)
M 61	Total 1,2-Dichloroethene	61				2893	0.40000	1.05	

170373

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	SIMILARITY
	31 cis-1,2-Dichloroethene	61	5.827	5.827	(0.816)	1644	0.20000	0.425	(M1)
	32 2,2-Dichloropropane	77	5.968	5.968	(0.836)	2218	0.20000		(M1)
	34 Cyclohexane	56	6.066	6.066	(0.849)	2598	0.20000	0.415	0(M1)
	33 Bromochloromethane	128	6.066	6.066	(0.849)	451	0.20000	0.285	(M1)
	35 Chloroform +	83	6.131	6.131	(0.859)	1911	0.20000	0.372	(M1)
	36 Carbon Tetrachloride	117	6.283	6.283	(0.880)	864	0.20000	0.276	(M1)
$	39 Dibromofluoromethane	111	6.337	6.337	(0.887)	163108	50.0000	51.1	6217
	40 1,1,1-Trichloroethane	97	6.370	6.370	(0.892)	655	0.20000	0.297	(M1)
	43 1,1-Dichloropropene	75	6.478	6.478	(0.907)	1029	0.20000	0.241	(M1)
	45 Benzene	78	6.739	6.739	(0.944)	5242	0.20000		(M1)
$	48 1,2-Dichloroethane-d4	67	6.869	6.869	(0.962)	91023	50.0000	50.4	
	49 1,2-Dichloroethane	62	6.934	6.934	(0.971)	990	0.20000	0.249	(M1)
*	52 FLUOROBENZENE	96	7.141	7.141	(1.000)	593825	50.0000		
	53 Methyl Cyclohexane	83	7.282	7.282	(1.020)	1858	0.20000	0.0886	0(M1)
	54 Trichloroethene	130	7.293	7.293	(1.021)	1049	0.20000	0.408	(M1)
	57 Dibromomethane	93	7.684	7.684	(1.076)	814	0.20000	0.370	(M1)
	59 1,2-Dichloropropane +	63	7.793	7.793	(1.091)	1488	0.20000	0.341	(M1)
	60 Bromodichloromethane	83	7.836	7.836	(1.097)	966	0.20000	0.615	(M1)
	64 1-Bromo-2-chloroethane	63	8.281	8.281	(1.160)	2029	0.20000	0.260	0(M1)
	66 cis-1,3-Dichloropropene	75	8.411	8.411	(1.178)	1496	0.20000	0.268	(M1)
M	6 1-3 Dichloropropene-Total	100				2874	0.40000	0.549	0
$	67 Toluene-d8	98	8.574	8.574	(0.864)	501679	50.0000	51.3	
	69 Toluene +	91	8.618	8.618	(0.869)	4421	0.20000		(M1)
	72 Tetrachloroethene	164	8.955	8.955	(0.903)	566	0.20000	0.307	(M1)
	73 trans-1,3-Dichloropropene	75	8.976	8.976	(0.905)	1378	0.20000	0.293	(M1)
	75 1,1,2-Trichloroethane	97	9.128	9.128	(0.920)	775	0.20000	0.264	(M1)
	76 Dibromochloromethane	129	9.291	9.291	(0.936)	688	0.20000	0.219	(M1)
	77 1,3-Dichloropropane	76	9.356	9.356	(0.943)	1897	0.20000	0.345	(M1)
	79 1,2-Dibromoethane(EDB)	107	9.497	9.497	(0.957)	989	0.20000	0.302	(M1)
	82 1-Chlorohexane	91	9.888	9.888	(0.997)	1625	0.20000	0.357	1105(M2)
*	83 CHLOROBENZENE-d5	82	9.921	9.921	(1.000)	251399	50.0000		
	84 Chlorobenzene ++	112	9.932	9.932	(1.001)	3160	0.20000	0.415	(M1)
	85 Ethylbenzene +	106	9.943	9.943	(1.002)	1083	0.20000		(M3)
	86 1,1,1,2-Tetrachloroethane	133	9.986	9.986	(1.007)	975	0.20000	0.396	(M1)
	87 p,m-Xylene	106	10.062	10.062	(1.014)	3446	0.20000	0.731	
	89 o-Xylene	106	10.442	10.442	(1.053)	1476	0.20000	0.305	(M1)
	90 Styrene	104	10.486	10.486	(1.057)	2544	0.20000	0.295	(M1)
	91 Bromoform ++	173	10.529	10.529	(1.061)	380	0.20000	0.207	(M1)
	93 Isopropylbenzene	105	10.703	10.703	(1.079)	3579	0.20000	0.318	(M1)
$	94 Bromofluorobenzene	174	10.964	10.964	(1.105)	150418	50.0000	51.4	
	95 n-Propylbenzene	91	11.062	11.062	(0.921)	5215	0.20000	0.328	(M1)
	96 Bromobenzene	77	11.073	11.073	(0.922)	3697	0.20000	0.575	
	97 1,1,2,2-Tetrachloroethane++	83	11.127	11.127	(0.927)	1602	0.20000	0.322	(M1)
	98 2-Chlorotoluene	91	11.214	11.214	(0.934)	2822	0.20000	0.275	(M1)
	99 1,3,5-Trimethylbenzene	105	11.214	11.214	(0.934)	2783	0.20000	0.289	(M1)
	103 4-Chlorotoluene	91	11.377	11.377	(0.948)	2551	0.20000	0.270	(M1)
M	124 TOTAL XYLENE	106				4922	0.20000	1.04	

170374

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
104 tert-butylbenzene	91	11.518	11.518	(0.959)	1287	0.20000	0.231	(M1)
106 1,2,4-Trimethylbenzene	105	11.583	11.583	(0.965)	3072	0.20000	0.307	(M1)
107 sec-Butylbenzene	105	11.681	11.681	(0.973)	4494	0.20000	0.360	(M1)
108 p-Isopropyltoluene	119	11.822	11.822	(0.985)	3054	0.20000	0.306	(M1)
110 1,3-Dichlorobenzene	146	11.941	11.941	(0.995)	1914	0.20000	0.373	(M1)
* 111 1,4-DICHLOROBENZENE-D4	152	12.007	12.007	(1.000)	189320	50.0000		
112 1,4-Dichlorobenzene	146	12.018	12.018	(1.001)	1718	0.20000	0.293	(M1)
115 n-Butylbenzene	91	12.257	12.257	(1.021)	3419	0.20000	0.338	(M1)
116 1,2-Dichlorobenzene	146	12.496	12.496	(1.041)	1213	0.20000	0.241	(M1)
123 1,2,4-Trichlorobenzene	180	14.135	14.135	(1.177)	587	0.20000	0.199	(M1)
125 Naphthalene	128	14.482	14.482	(1.206)	3402	0.20000	0.354	(M1)
126 1,2,3-Trichlorobenzene	180	14.667	14.667	(1.222)	710	0.20000	0.243	(M1)

QC Flag Legend

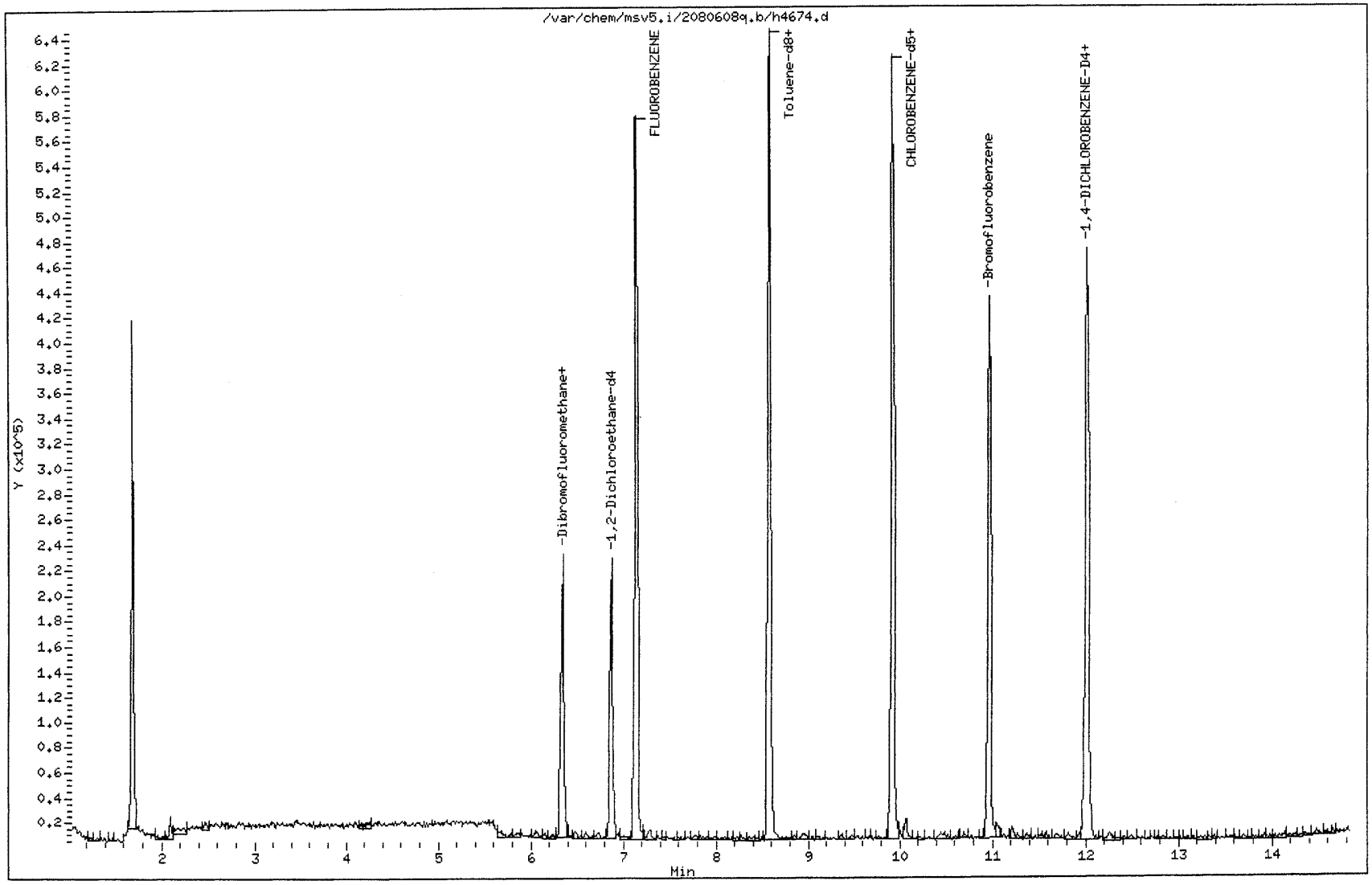
M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.
M3- Compound response manually integrated because Target system integrated incorrect peak.

170375

Data File: /var/chem/msv5.i/2080608q.b/h4674.d
Date : 08-JUN-2008 19:49
Client ID: V5STD0.20
Sample Info: 1206*V5STD0.20*6-23-8
Purge Volume: 5.0
Column phase: DB-VRX-30M

Instrument: msv5.i

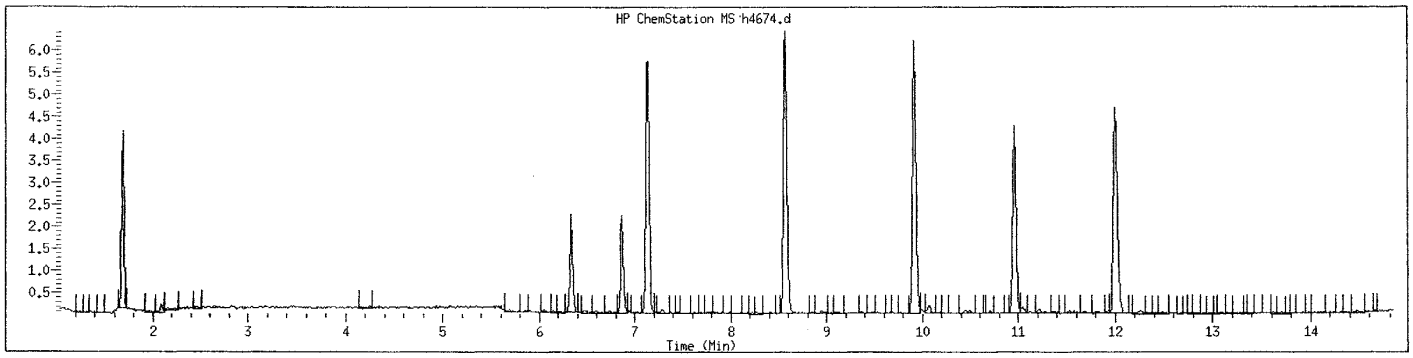
Operator: EGW
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080608q.b/h4674.d
Report Date: 06/11/2008 12:45

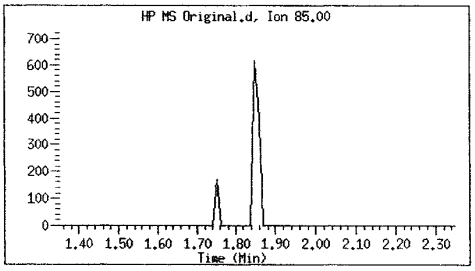
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1206	SampleType	: CALIB_10
Injection Date	: 06/08/2008 19:49	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 1206*V5STD0.20*6-23-8		
Misc Info	: MSV~13440~*1*JCK		
Method	: /var/chem/msv5.i/2080608q.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist:	8260b



Original Final

1 Dichlorodifluoromethane CAS#: 75-71-8 Reason: M1



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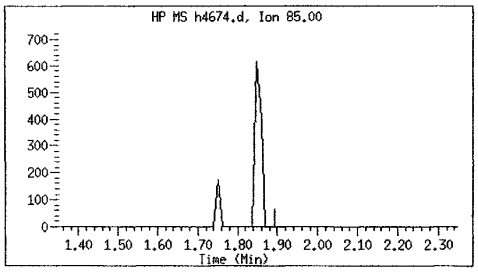
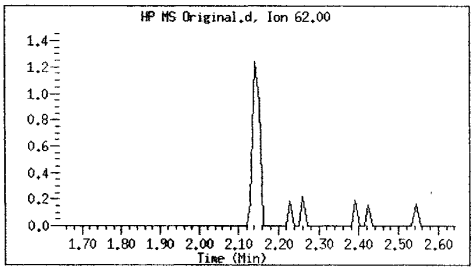


3 Vinyl Chloride + CAS#: 75-01-4 Reason: M1



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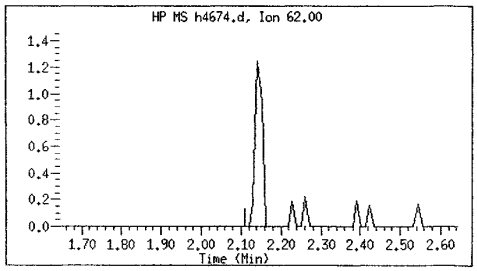
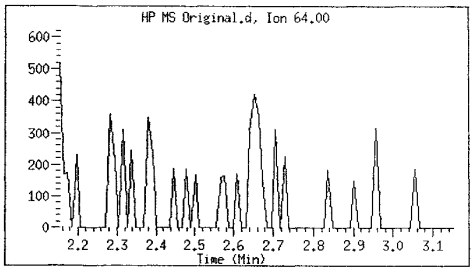


170377

Original Final

8 Chloroethane CAS#: 75-00-3 Reason: M1



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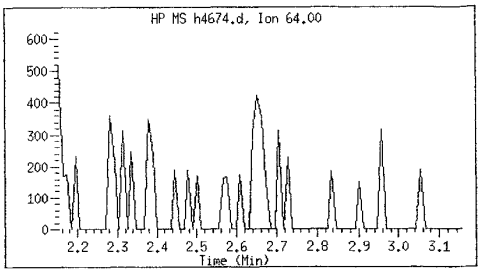
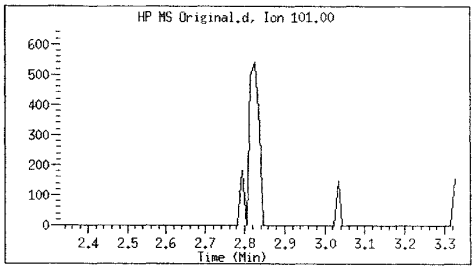


9 Trichlorofluoromethane CAS#: 75-69-4 Reason: M1



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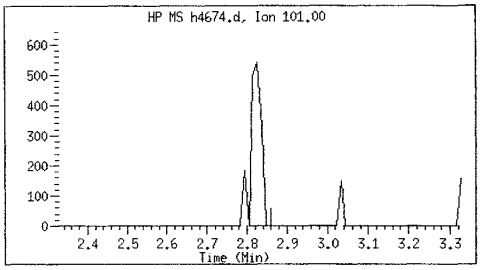
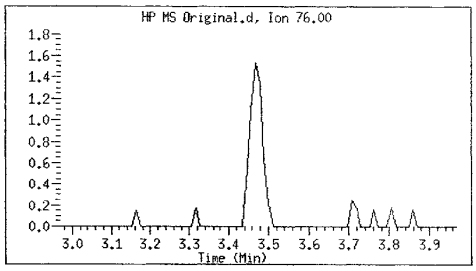


12 Carbon Disulfide CAS#: 75-15-0 Reason: M1



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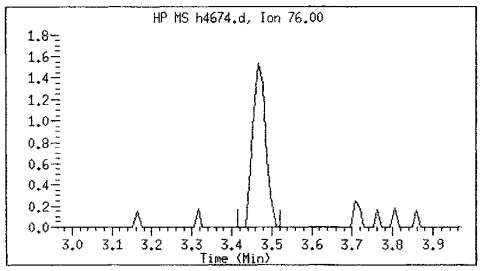
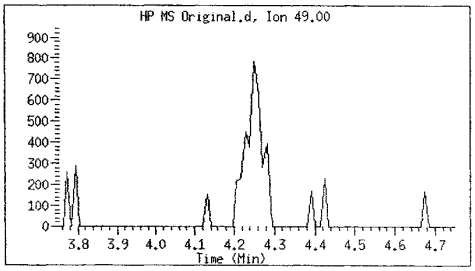


17 Methylene Chloride CAS#: 75-09-2 Reason: M1



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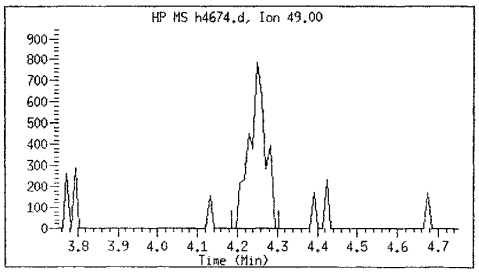
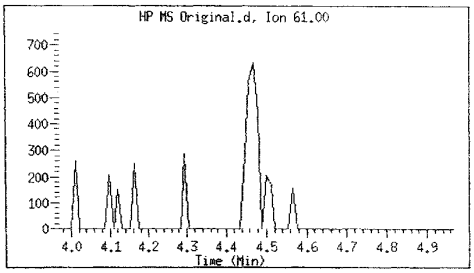


19 trans-1,2-Dichloroethene CAS#: 156-60-5 Reason: M1



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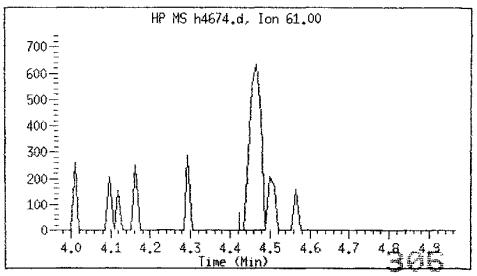
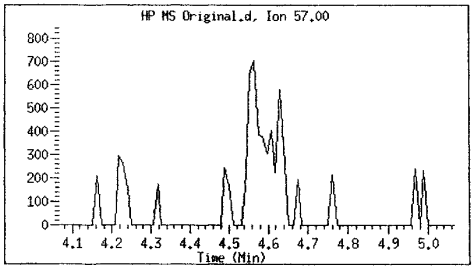


Original Final

21 Hexane CAS#: 110-54-3 Reason: M1



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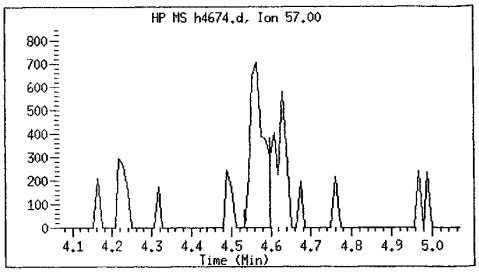
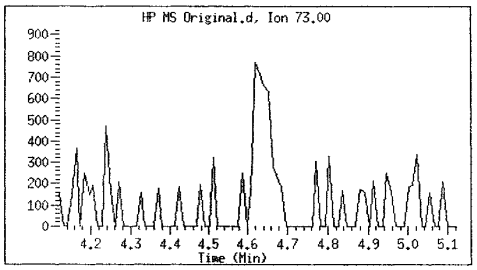


22 MTBE CAS#: 1634-04-4 Reason: M1



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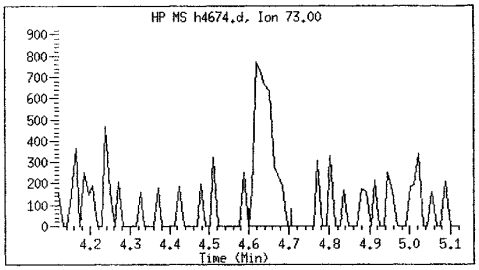
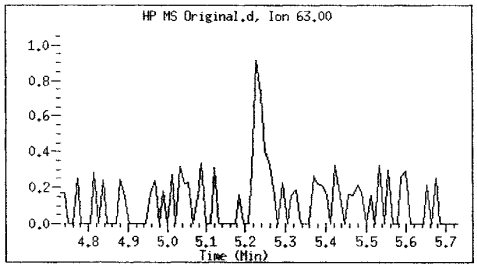


27 1,1-Dichloroethane ++ CAS#: 75-34-3 Reason: M1



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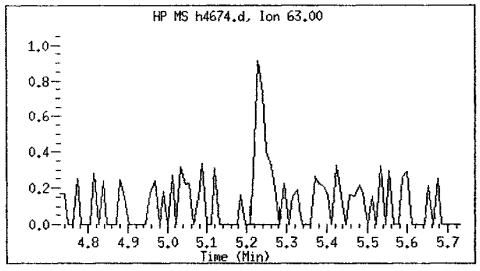
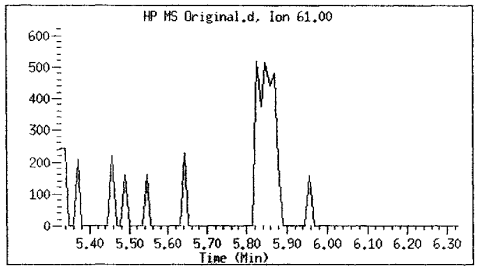


31 cis-1,2-Dichloroethene CAS#: 156-59-2 Reason: M1



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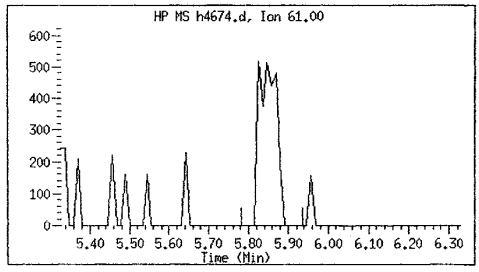
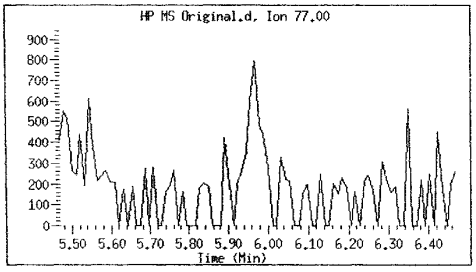


32 2,2-Dichloropropane CAS#: 594-20-7 Reason: M1



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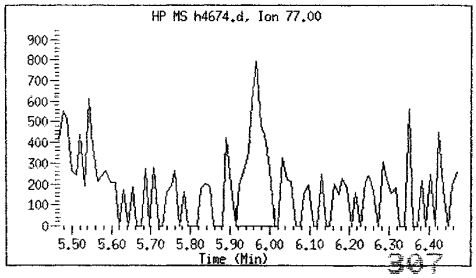
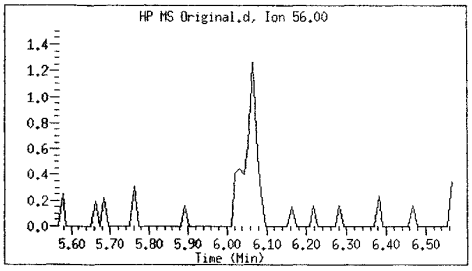


Original Final

34 Cyclohexane CAS#: 110-82-7 Reason: M1



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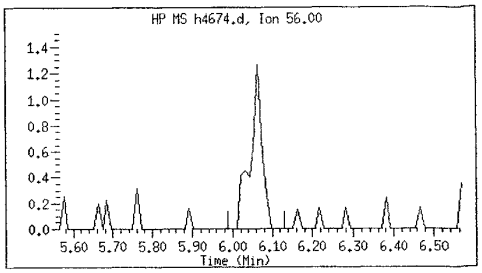
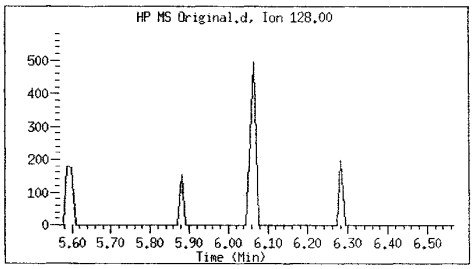


33 Bromochloromethane CAS#: 74-97-5 Reason: M1



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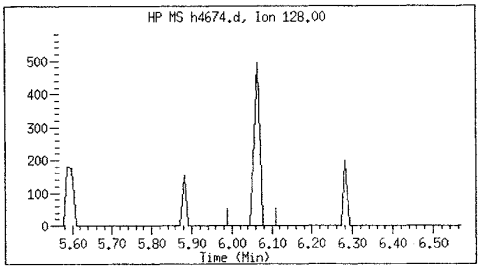
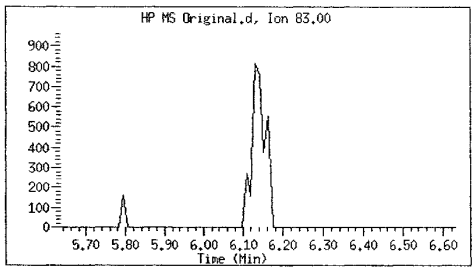


35 Chloroform + CAS#: 67-66-3 Reason: M1



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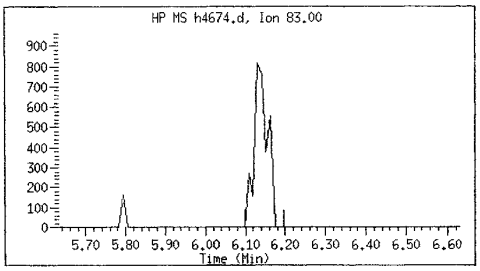
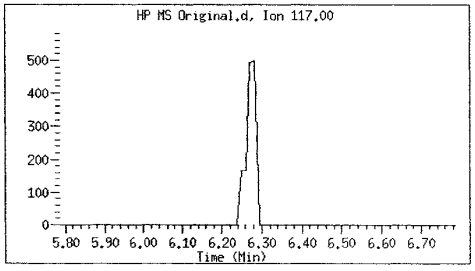


36 Carbon Tetrachloride CAS#: 56-23-5 Reason: M1



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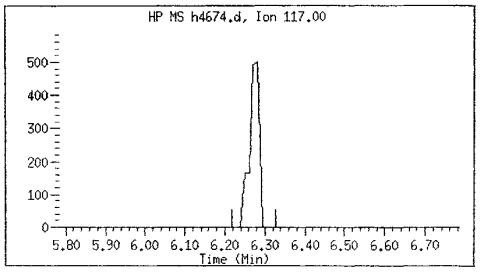
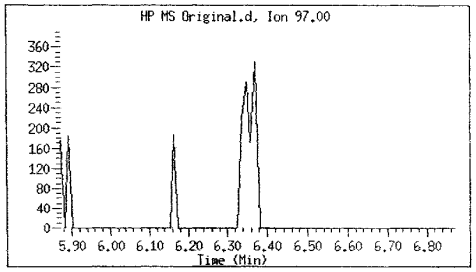


40 1,1,1-Trichloroethane CAS#: 71-55-6 Reason: M1



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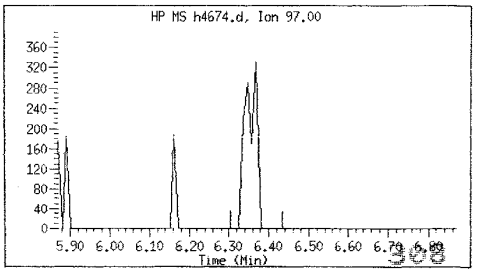

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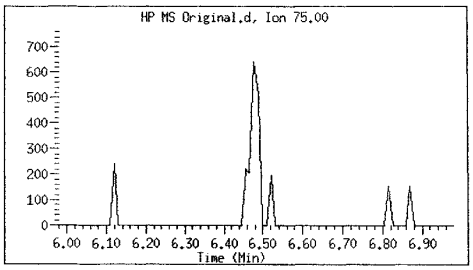
43 1,1-Dichloropropene CAS#: 563-58-6 Reason: M1



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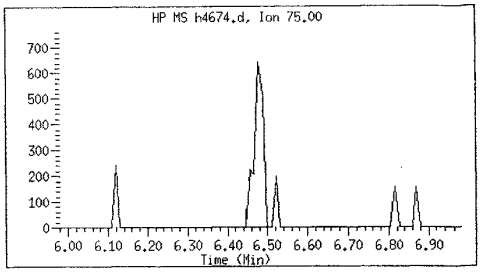
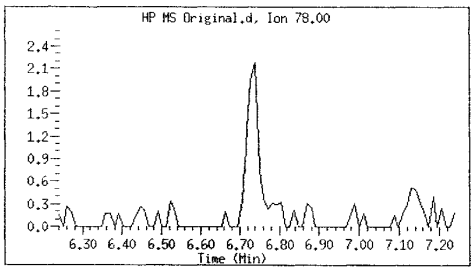


45 Benzene CAS#: 71-43-2 Reason: M1



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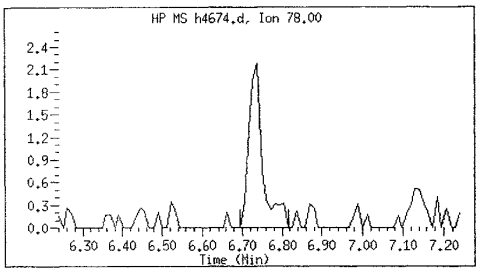
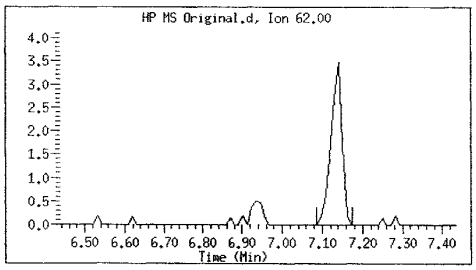


49 1,2-Dichloroethane CAS#: 107-06-2 Reason: M1 3 6/13/08



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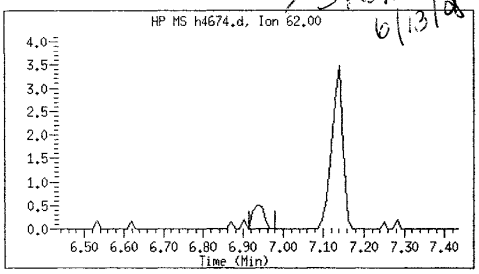
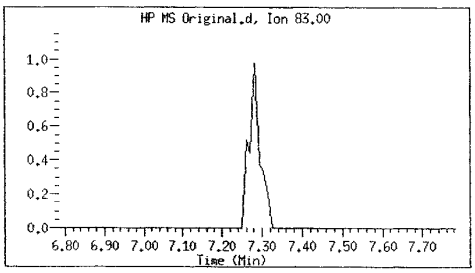


53 Methyl Cyclohexane CAS#: 108-87-2 Reason: M1



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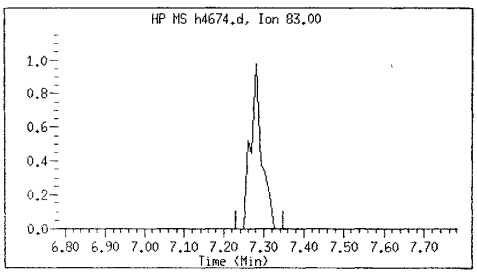
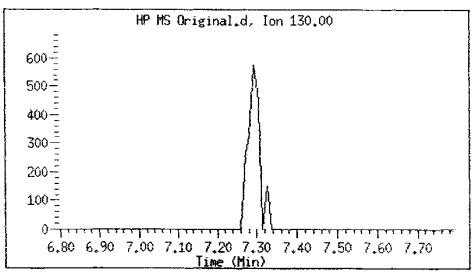


54 Trichloroethene CAS#: 79-01-6 Reason: M1



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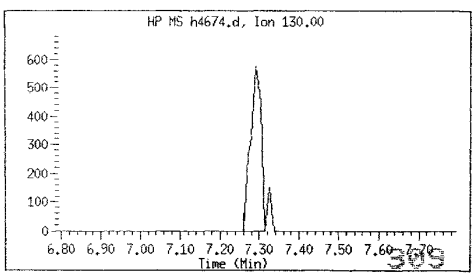

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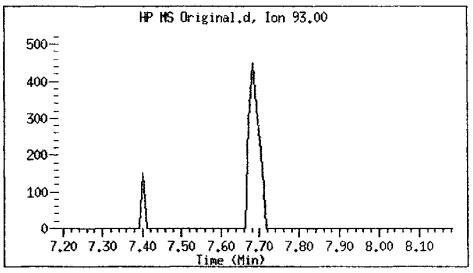
57 Dibromomethane CAS#: 74-95-3 Reason: M1



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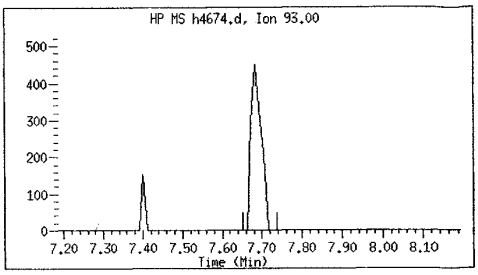
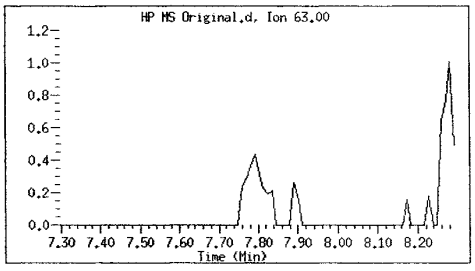


59 1,2-Dichloropropane + CAS#: 78-87-5 Reason: M1



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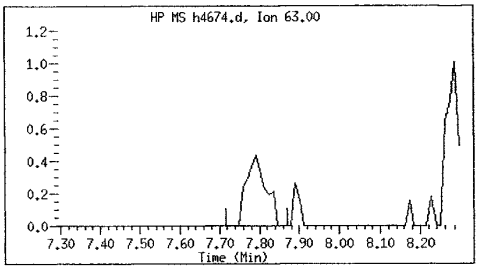
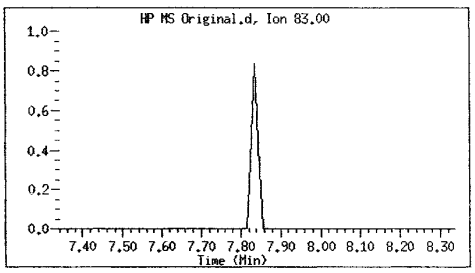


60 Bromodichloromethane CAS#: 75-27-4 Reason: M1



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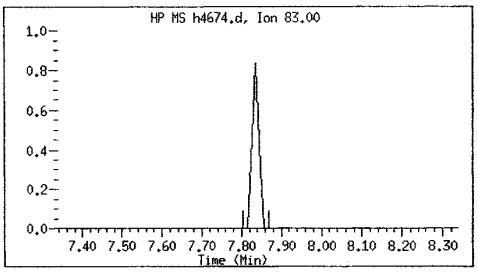
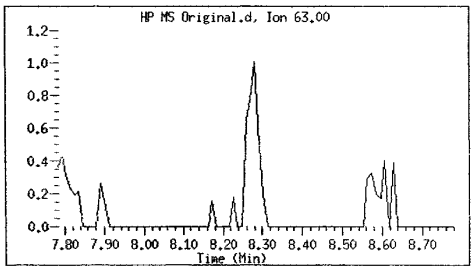


64 1-Bromo-2-chloroethane CAS#: 107-04-0 Reason: M1



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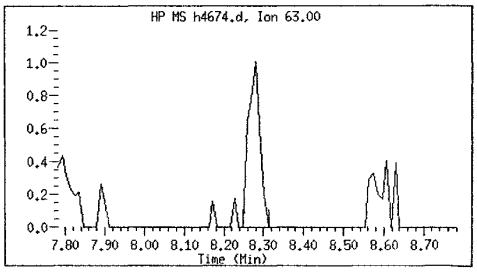
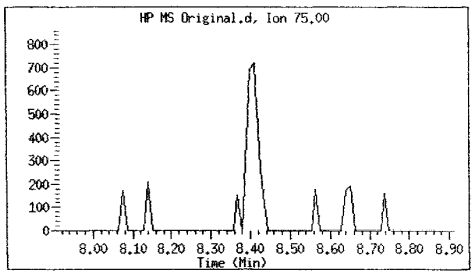


66 cis-1,3-Dichloropropene CAS#: 10061-01-5 Reason: M1



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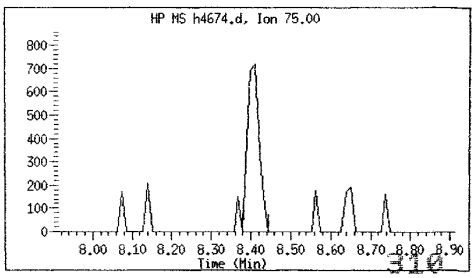

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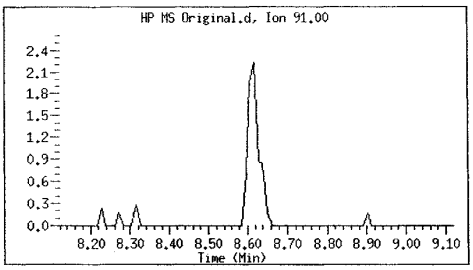
69 Toluene + CAS#: 108-88-3 Reason: M1



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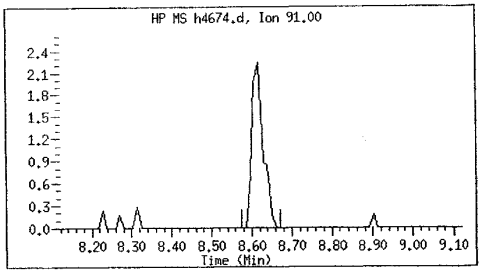
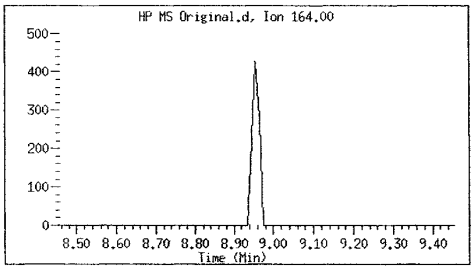


72 Tetrachloroethene CAS#: 127-18-4 Reason: M1



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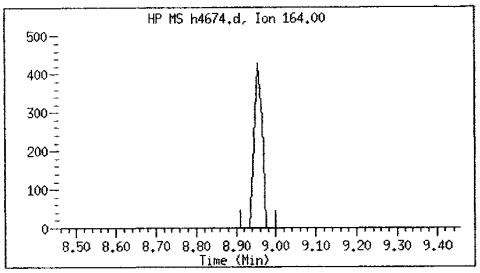
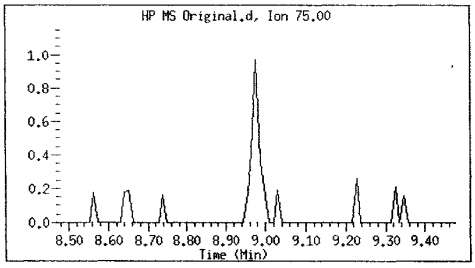


73 trans-1,3-Dichloropropene CAS#: 10061-02-6 Reason: M1



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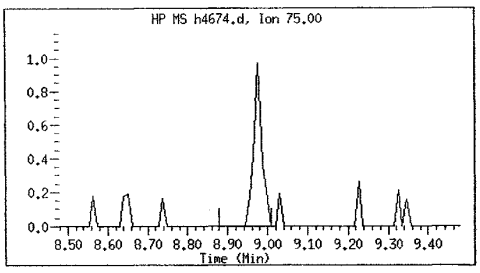
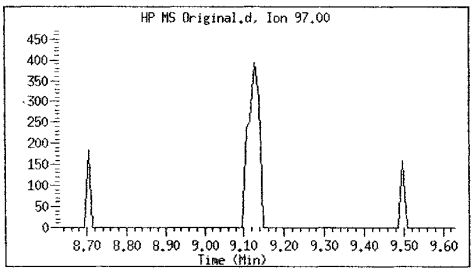


75 1,1,2-Trichloroethane CAS#: 79-00-5 Reason: M1



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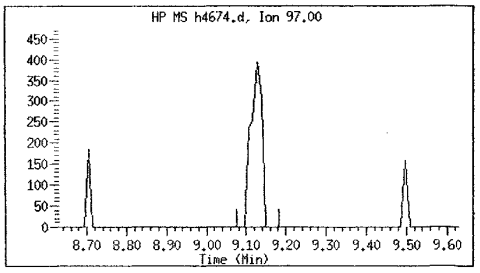
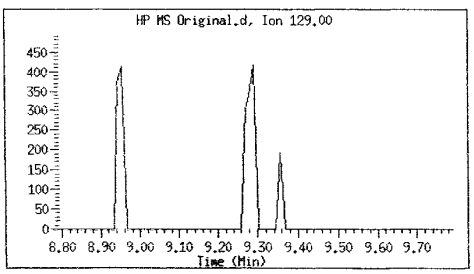


76 Dibromochloromethane CAS#: 124-48-1 Reason: M1



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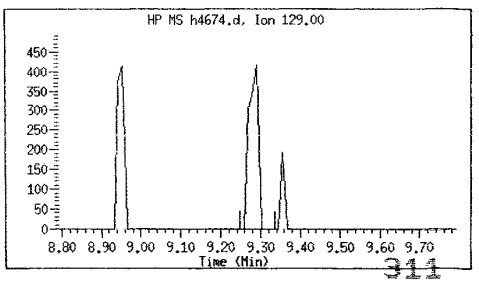

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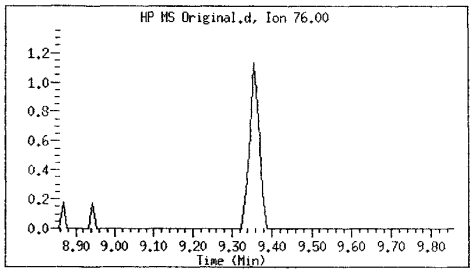
77 1,3-Dichloropropane CAS#: 142-28-9 Reason: M1



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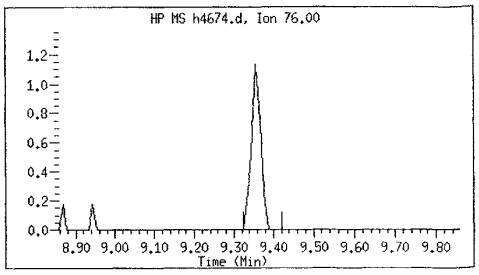
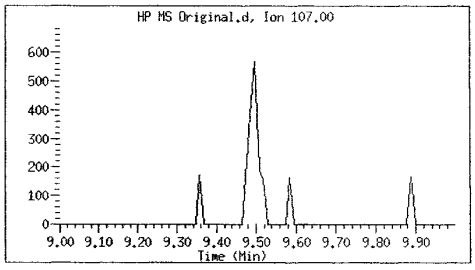


79 1,2-Dibromoethane(EDB) CAS#: 106-93-4 Reason: M1



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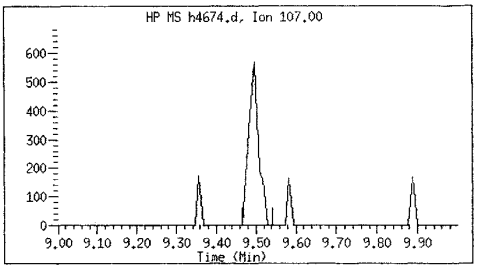
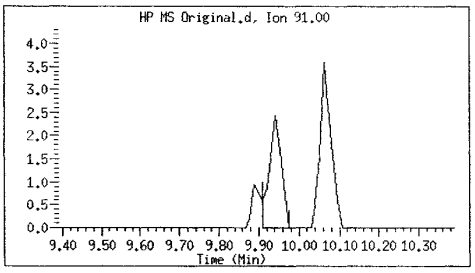


82 1-Chlorohexane CAS#: 544-10-5 Reason: M2 6/13/08



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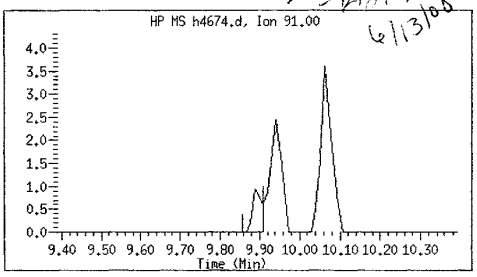
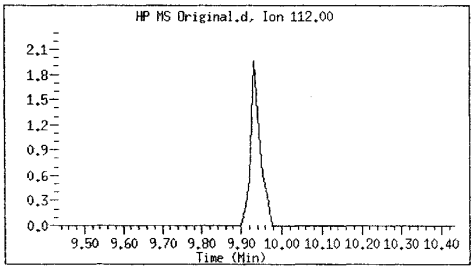


84 Chlorobenzene ++ CAS#: 108-90-7 Reason: M1



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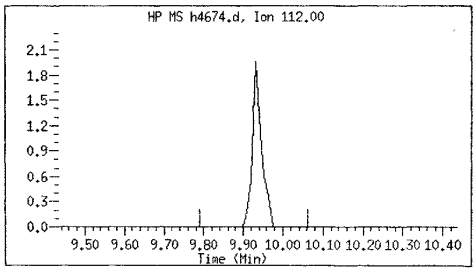
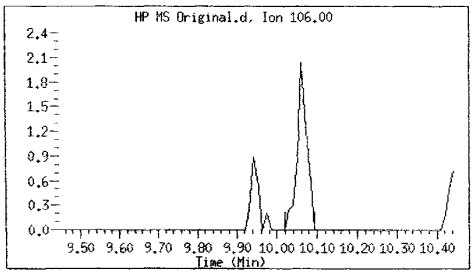


85 Ethylbenzene + CAS#: 100-41-4 Reason: M3



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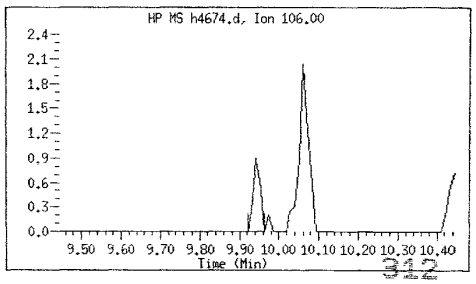

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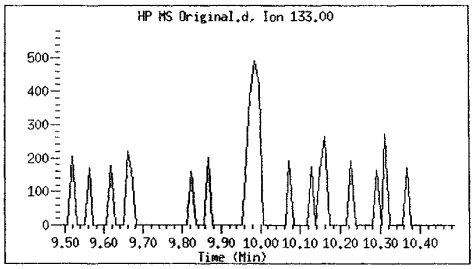
86 1,1,1,2-Tetrachloroethane CAS#: 630-20-6 Reason: M1



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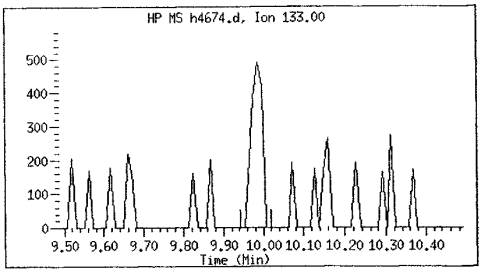
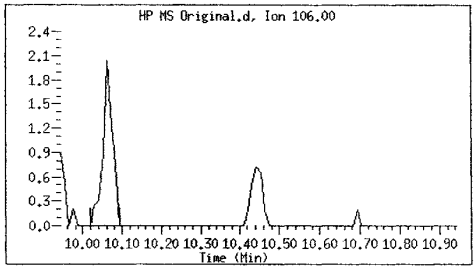


89 o-Xylene CAS#: 95-47-6 Reason: M1



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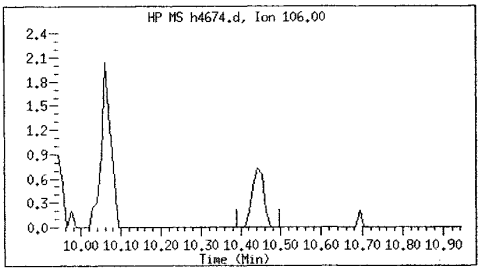
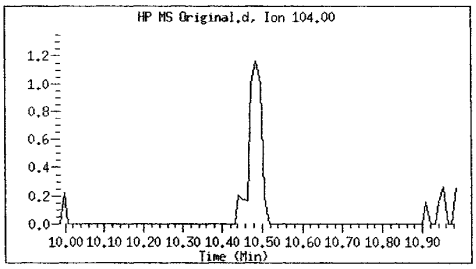


90 Styrene CAS#: 100-42-5 Reason: M1



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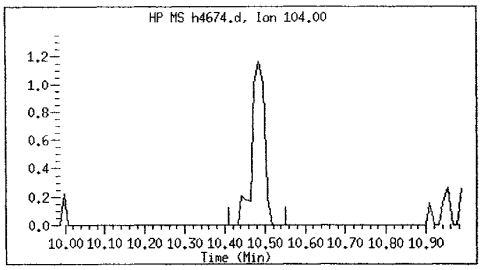
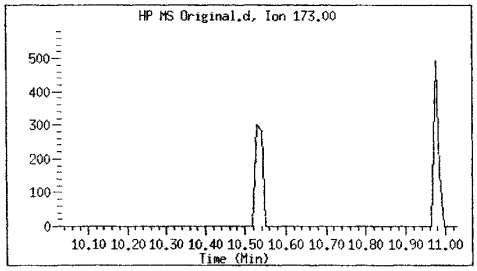


91 Bromoform ++ CAS#: 75-25-2 Reason: M1



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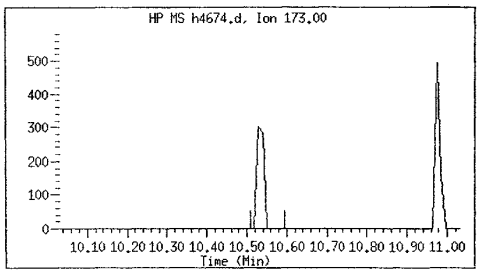
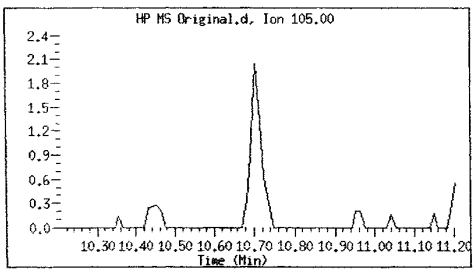


93 Isopropylbenzene CAS#: 98-82-8 Reason: M1



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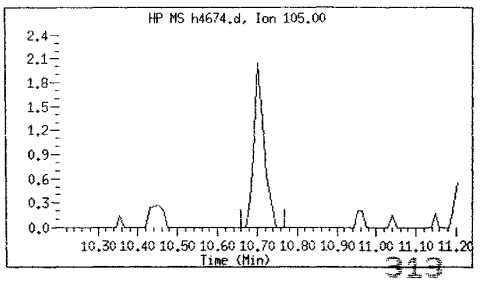
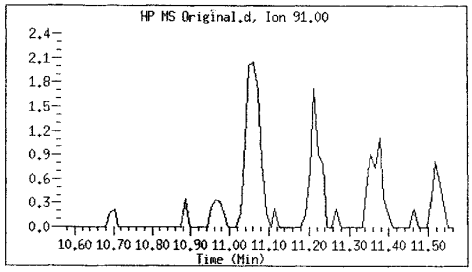


Original Final

95 n-Propylbenzene CAS#: 103-65-1 Reason: M1



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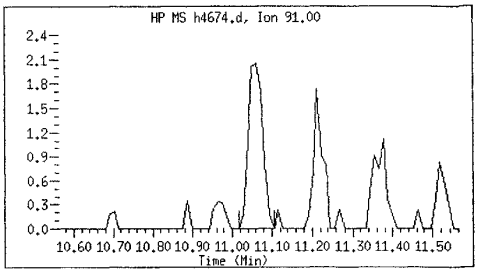
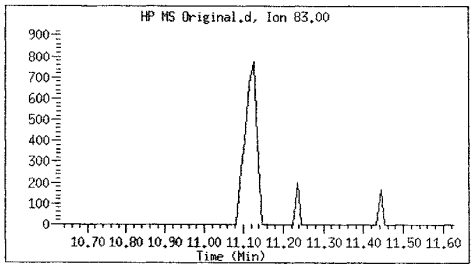


97 1,1,2,2-Tetrachloroethane++ CAS#: 79-34-5 Reason: M1



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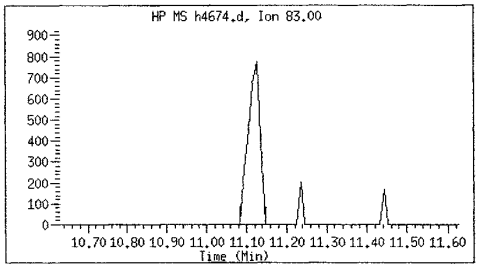
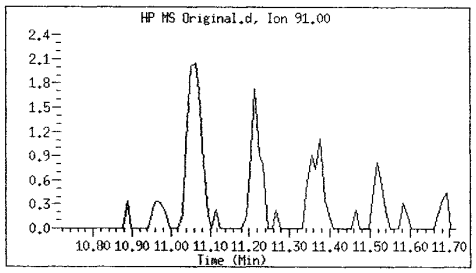


98 2-Chlorotoluene CAS#: 95-49-8 Reason: M1



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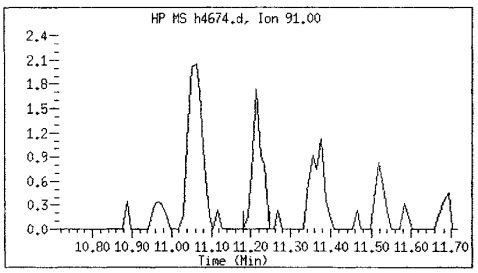
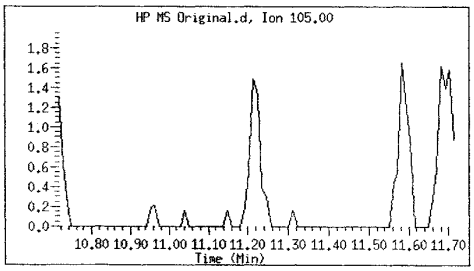


99 1,3,5-Trimethylbenzene CAS#: 108-67-8 Reason: M1



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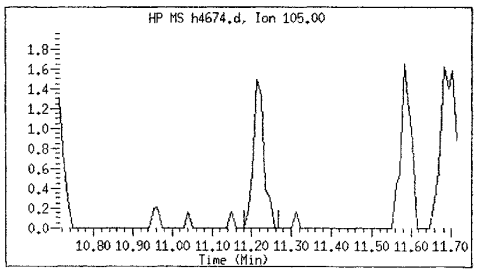
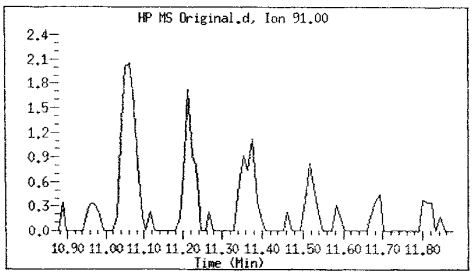


103 4-Chlorotoluene CAS#: 106-43-4 Reason: M1



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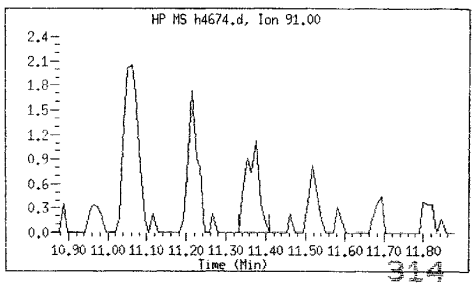
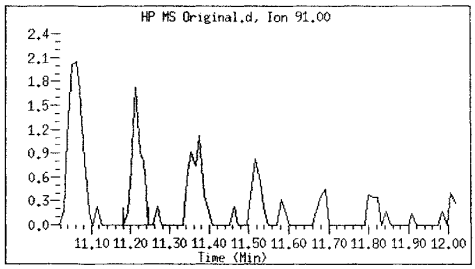


Original | Final

104 tert-butylbenzene CAS#: 98-06-6 Reason: M1,3



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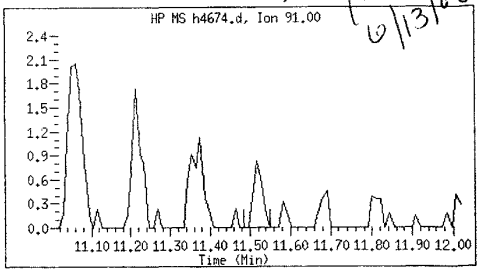

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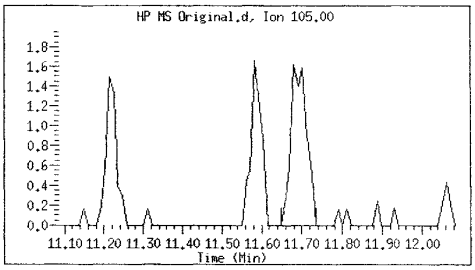
106 1,2,4-Trimethylbenzene CAS#: 95-63-6 Reason: M1,3



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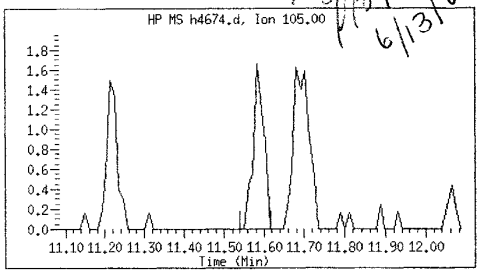

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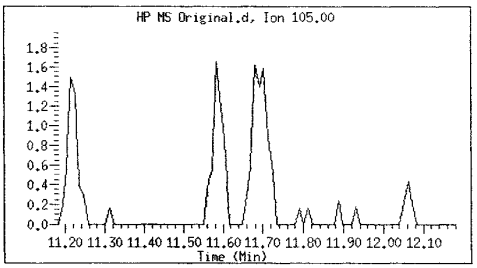
107 sec-Butylbenzene CAS#: 135-98-8 Reason: M1



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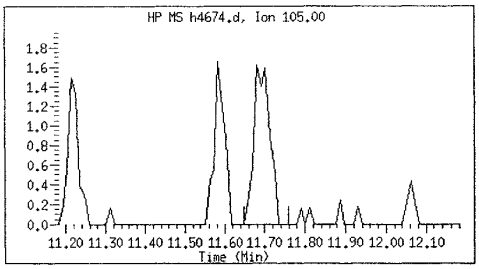

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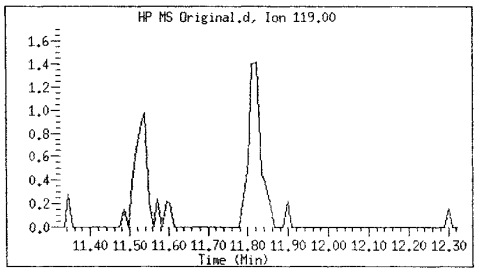
108 p-Isopropyltoluene CAS#: 99-87-6 Reason: M1



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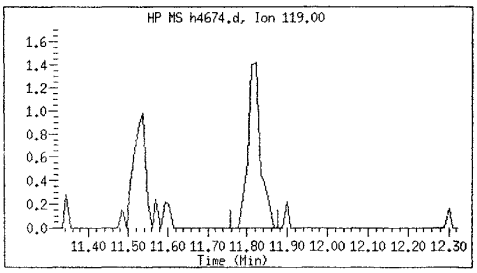

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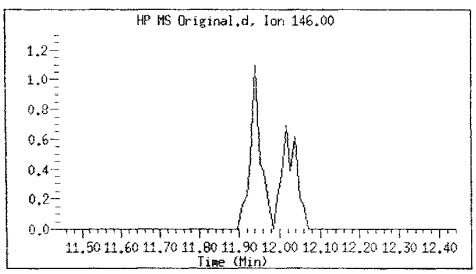
110 1,3-Dichlorobenzene CAS#: 541-73-1 Reason: M1



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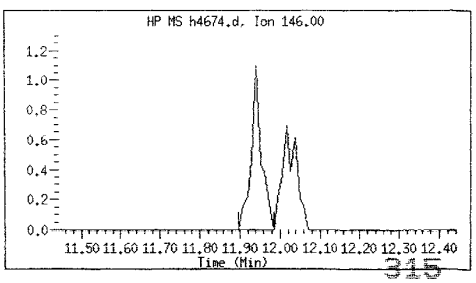
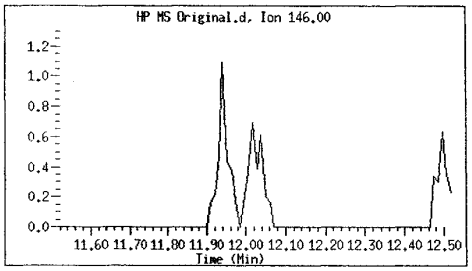


Original Final

112 1,4-Dichlorobenzene CAS#: 106-46-7 Reason: M1



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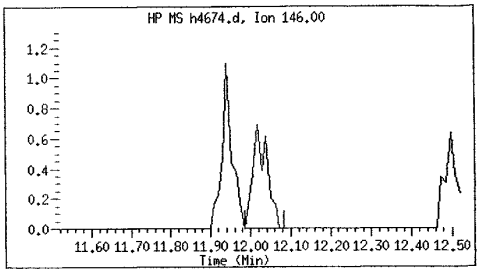
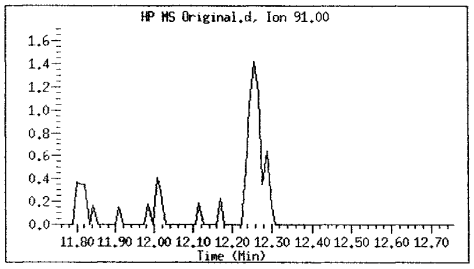


115 n-Butylbenzene CAS#: 104-51-8 Reason: M1



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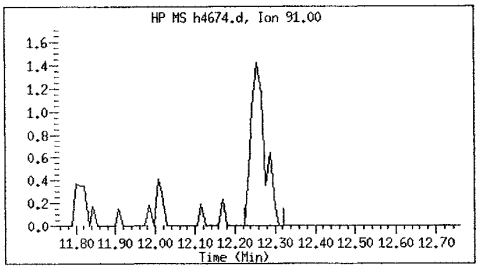
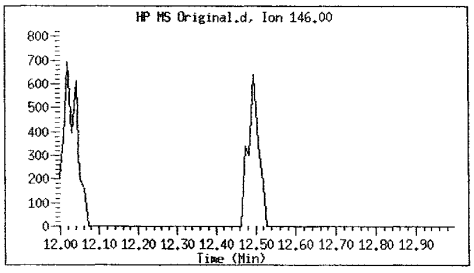


116 1,2-Dichlorobenzene CAS#: 95-50-1 Reason: M1



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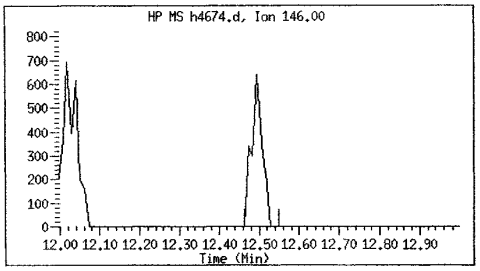
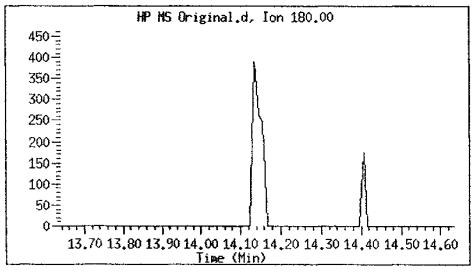


123 1,2,4-Trichlorobenzene CAS#: 120-82-1 Reason: M1



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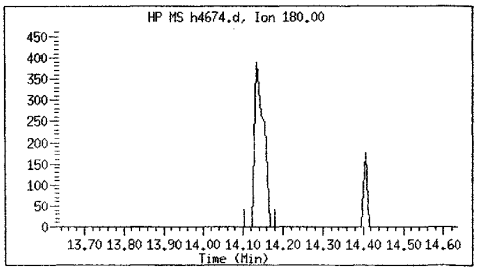
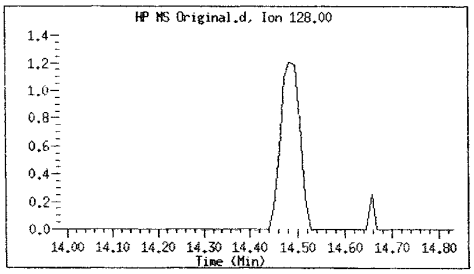


125 Naphthalene CAS#: 91-20-3 Reason: M1



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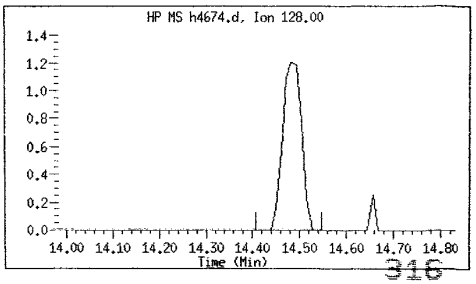
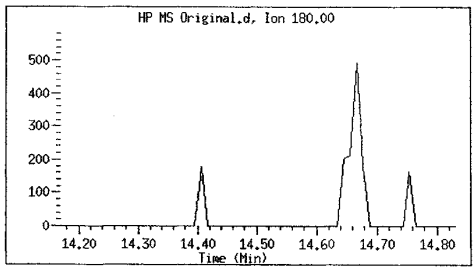


Original Final

126 1,2,3-Trichlorobenzene CAS#: 87-61-6 Reason: M1



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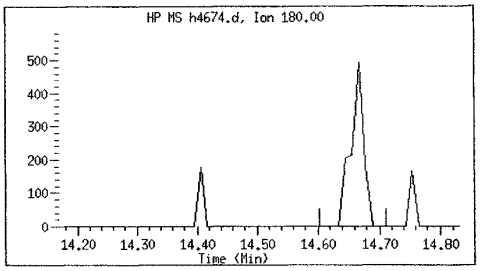

M1 - Target system did not integrate
M2 - Target system integrated incorrectly
M3 - Target system integrated incorrect peak

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608q.b/h4675.d
Lab Smp Id: 1209 Client Smp ID: V5STD0.40
Inj Date : 08-JUN-2008 20:30
Operator : EGW Inst ID: msv5.i
Smp Info : 1209*V5STD0.40*6-23-8
Misc Info : MSV~13440~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Meth Date : 13-Jun-2008 10:28 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 20:30 Cal File: h4675.d
Als bottle: 1 Calibration Sample, Level: 9
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	1.848	1.848	(0.259)	1934	0.40000	0.529	(M1)
2 Chloromethane ++	50	2.055	2.055	(0.288)	4993	0.40000	0.842	
3 Vinyl Chloride +	62	2.142	2.142	(0.300)	2045	0.40000	0.498	(M1)
5 Bromomethane	94	2.500	2.500	(0.351)	1824	0.40000	2.14	
8 Chloroethane	64	2.652	2.652	(0.372)	1285	0.40000		(M1)
9 Trichlorofluoromethane	101	2.826	2.826	(0.396)	924	0.40000		(M1)
11 1,1-Dichloroethene +	96	3.446	3.446	(0.483)	1272	0.40000	0.636	(M1)
12 Carbon Disulfide	76	3.468	3.468	(0.486)	4759	0.40000	0.637	(M1)
14 Methyl Iodide	142	3.620	3.620	(0.508)	1667	0.40000		
17 Methylene Chloride	49	4.240	4.240	(0.595)	2726	0.40000	0.658	
18 Acetone	43	4.327	4.327	(0.607)	5772	0.40000	1.15	
19 trans-1,2-Dichloroethene	61	4.457	4.457	(0.625)	1788	0.40000	0.809	(M1)
21 Hexane	57	4.588	4.588	(0.643)	2490	0.40000	0.622	0(M1)
22 MTBE	73	4.631	4.631	(0.649)	3836	0.40000	0.196	0(M1)

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	27 1,1-Dichloroethane ++	63	5.240	5.240	(0.735)	2427	0.40000	0.503	(M1)
M	61 Total 1,2-Dichloroethene	61				3973	0.80000	1.39	
	31 cis-1,2-Dichloroethene	61	5.848	5.848	(0.820)	2185	0.40000	0.583	(M1)
	32 2,2-Dichloropropane	77	5.968	5.968	(0.837)	1793	0.40000		(M1)
	34 Cyclohexane	56	6.055	6.055	(0.849)	3654	0.40000	0.623	0(M1)
	33 Bromochloromethane	128	6.055	6.055	(0.849)	599	0.40000	0.404	(M1)
	35 Chloroform +	83	6.142	6.142	(0.861)	2219	0.40000	0.462	(M1)
	36 Carbon Tetrachloride	117	6.261	6.261	(0.878)	1186	0.40000	0.438	(M1)
$	39 Dibromofluoromethane	111	6.337	6.337	(0.889)	153645	50.0000	51.4	6261
	40 1,1,1-Trichloroethane	97	6.359	6.359	(0.892)	1521	0.40000	0.603	(M1)
	42 2-Butanone	43	6.479	6.479	(0.909)	6546	0.40000	0.292	
	43 1,1-Dichloropropene	75	6.479	6.479	(0.909)	1562	0.40000	0.391	(M1)
	45 Benzene	78	6.728	6.728	(0.944)	7728	0.40000		(M1)
$	48 1,2-Dichloroethane-d4	67	6.869	6.869	(0.963)	82378	50.0000	48.7	
	49 1,2-Dichloroethane	62	6.924	6.924	(0.971)	1830	0.40000	0.491	(M1)
*	52 FLUOROBENZENE	96	7.130	7.130	(1.000)	556298	50.0000		
	53 Methyl Cyclohexane	83	7.282	7.282	(1.021)	2324	0.40000	0.218	0(M1)
	54 Trichloroethene	130	7.293	7.293	(1.023)	1045	0.40000	0.430	(M1)
	57 Dibromomethane	93	7.673	7.673	(1.076)	1050	0.40000	0.499	(M1)
	59 1,2-Dichloropropane +	63	7.771	7.771	(1.090)	2257	0.40000	0.552	(M1)
	60 Bromodichloromethane	83	7.825	7.825	(1.097)	809	0.40000	0.590	(M1)
	64 1-Bromo-2-chloroethane	63	8.271	8.271	(1.160)	3415	0.40000	0.467	0(M1)
	65 2-Chloroethyl vinyl ether	63	8.347	8.347	(1.171)	1118	0.40000	0.362	(M1)
	66 cis-1,3-Dichloropropene	75	8.401	8.401	(1.178)	3251	0.40000	0.621	(M1)
M	6 1-3 Dichloropropene-Total	100				5747	0.80000	1.17	0
$	67 Toluene-d8	98	8.575	8.575	(0.864)	489216	50.0000	50.0	
	69 Toluene +	91	8.618	8.618	(0.869)	7182	0.40000		(M1)
	71 4-methyl-2-pentanone	43	8.944	8.944	(1.254)	3586	0.40000	0.614	(M1)
	72 Tetrachloroethene	164	8.955	8.955	(0.903)	1135	0.40000	0.615	
	73 trans-1,3-Dichloropropene	75	8.977	8.977	(0.905)	2496	0.40000	0.530	
	75 1,1,2-Trichloroethane	97	9.118	9.118	(0.919)	1300	0.40000	0.442	(M1)
	76 Dibromochloromethane	129	9.281	9.281	(0.935)	1619	0.40000	0.514	
	77 1,3-Dichloropropane	76	9.346	9.346	(0.942)	2798	0.40000	0.508	
	79 1,2-Dibromoethane(EDB)	107	9.487	9.487	(0.956)	1498	0.40000	0.457	(M1)
	80 2-Hexanone	43	9.650	9.650	(0.973)	2848	0.40000	0.620	(M1)
	82 1-Chlorohexane	91	9.889	9.889	(0.997)	2145	0.40000	0.471	2543(H)
*	83 CHLOROBENZENE-d5	82	9.921	9.921	(1.000)	251615	50.0000		
	84 Chlorobenzene ++	112	9.932	9.932	(1.001)	3649	0.40000	0.479	
	85 Ethylbenzene +	106	9.943	9.943	(1.002)	1635	0.40000	0.0802	(M1)
	86 1,1,1,2-Tetrachloroethane	133	9.987	9.987	(1.007)	1291	0.40000	0.524	(M1)
	87 p,m-Xylene	106	10.063	10.063	(1.014)	4511	0.80000	0.956	
	89 o-Xylene	106	10.443	10.443	(1.053)	2426	0.40000	0.500	
	90 Styrene	104	10.486	10.486	(1.057)	3978	0.40000	0.460	(M1)
	91 Bromoform ++	173	10.530	10.530	(1.061)	689	0.40000	0.375	(M1)
	93 Isopropylbenzene	105	10.704	10.704	(1.079)	4958	0.40000	0.440	(M1)
$	94 Bromofluorobenzene	174	10.964	10.964	(1.105)	140499	50.0000	47.9	
	95 n-Propylbenzene	91	11.062	11.062	(0.921)	6269	0.40000	0.439	(M1)

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
96	Bromobenzene	77	11.073	11.073	(0.922)	3758	0.40000	0.652	
97	1,1,2,2-Tetrachloroethane++	83	11.117	11.117	(0.926)	2344	0.40000	0.525	
98	2-Chlorotoluene	91	11.214	11.214	(0.934)	4168	0.40000	0.453	(M1)
99	1,3,5-Trimethylbenzene	105	11.225	11.225	(0.935)	3787	0.40000	0.438	
100	1,2,3-Trichloropropane	75	11.247	11.247	(0.937)	3269	0.40000	0.625	(M1)
103	4-Chlorotoluene	91	11.377	11.377	(0.948)	4349	0.40000	0.513	
M 124	TOTAL XYLENE	106				6937	1.20000	1.46	
104	tert-butylbenzene	91	11.518	11.518	(0.959)	2527	0.40000	0.505	
106	1,2,4-Trimethylbenzene	105	11.584	11.584	(0.965)	3871	0.40000	0.431	(M1)
107	sec-Butylbenzene	105	11.692	11.692	(0.974)	6086	0.40000	0.544	
108	p-Isopropyltoluene	119	11.823	11.823	(0.985)	5033	0.40000	0.563	
110	1,3-Dichlorobenzene	146	11.942	11.942	(0.995)	2546	0.40000	0.553	
* 111	1,4-DICHLOROBENZENE-D4	152	12.007	12.007	(1.000)	169816	50.0000		
112	1,4-Dichlorobenzene	146	12.029	12.029	(1.002)	2424	0.40000	0.461	
115	n-Butylbenzene	91	12.246	12.246	(1.020)	4993	0.40000	0.551	
116	1,2-Dichlorobenzene	146	12.496	12.496	(1.041)	2695	0.40000	0.597	
122	Hexachlorobutadiene	225	14.103	14.103	(1.175)	121	0.40000	0.131	(M1)
123	1,2,4-Trichlorobenzene	180	14.135	14.135	(1.177)	1333	0.40000	0.503	
125	Naphthalene	128	14.483	14.483	(1.206)	5657	0.40000	0.656	
126	1,2,3-Trichlorobenzene	180	14.679	14.679	(1.222)	1212	0.40000	0.462	(M1)

QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

170392

Data File: /var/chem/msv5.i/2080608q.b/h4675.d

Date : 08-JUN-2008 20:30

Client ID: V5STD0.40

Sample Info: 1209*V5STD0.40*6-23-8

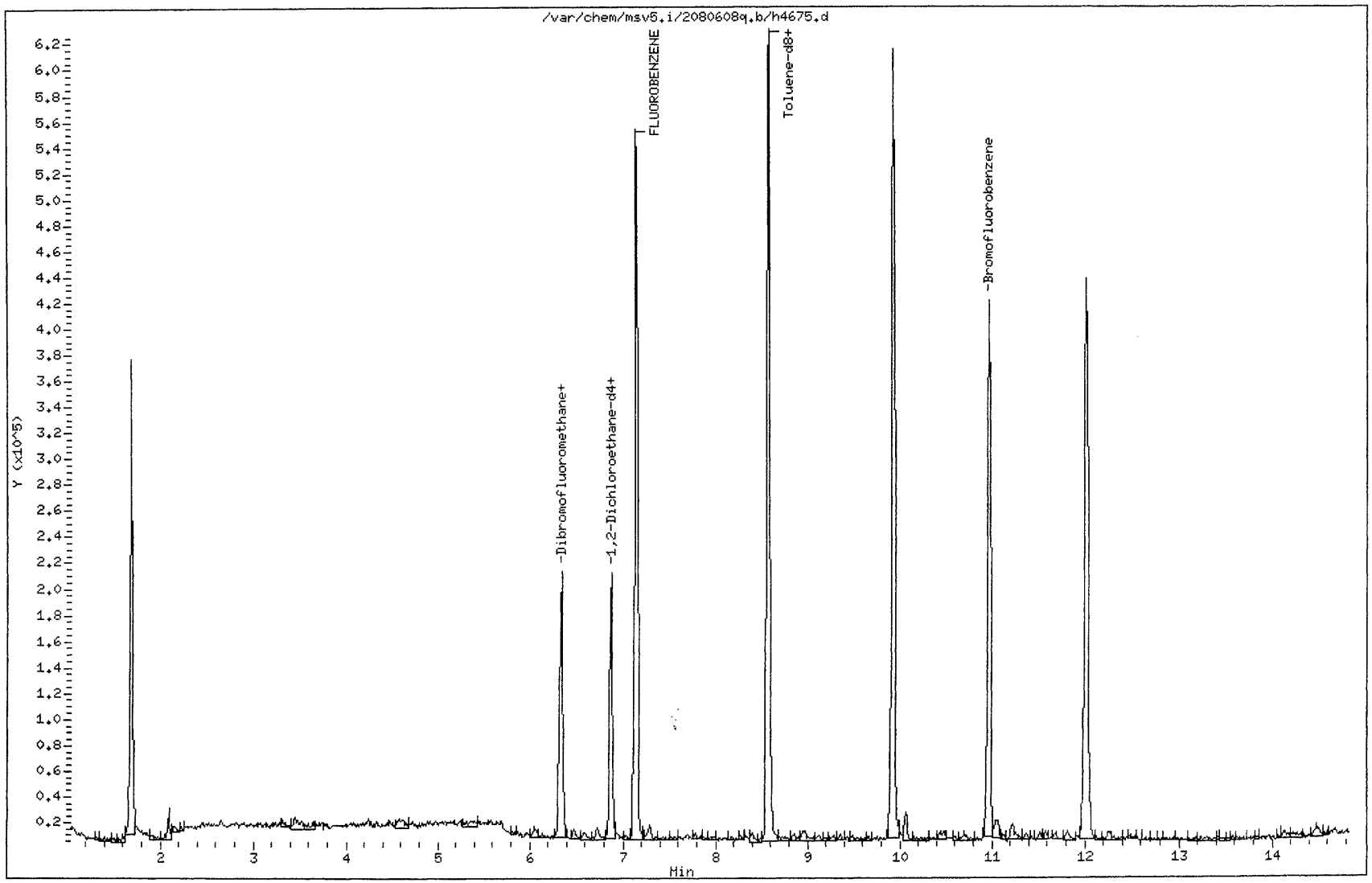
Purge Volume: 5.0

Column phase: DB-VRX-30M

Instrument: msv5.i

Operator: EGW

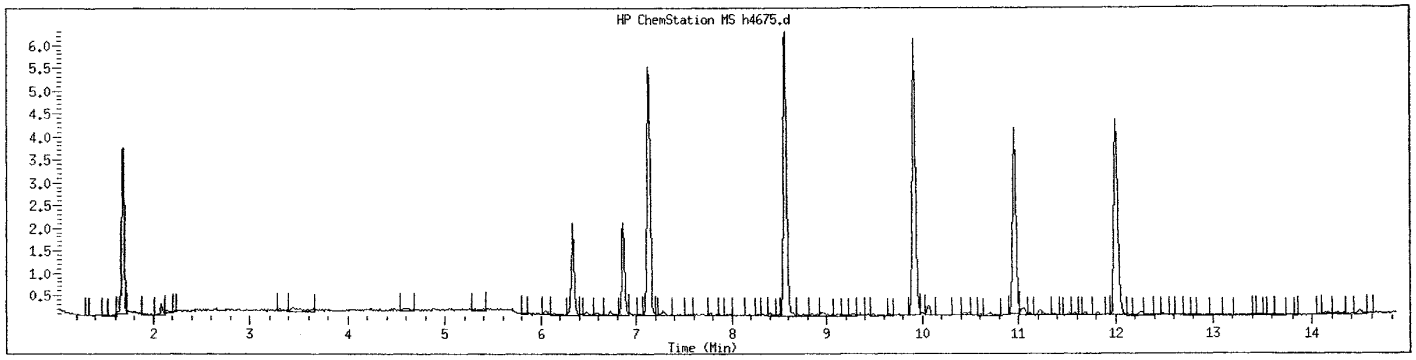
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080608q.b/h4675.d
Report Date: 06/11/2008 12:45

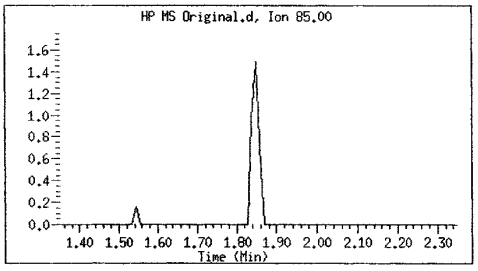
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1209	SampleType	: CALIB_9
Injection Date	: 06/08/2008 20:30	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 1209*V5STD0.40*6-23-8		
Misc Info	: MSV~13440~*1*JCK		
Method	: /var/chem/msv5.i/2080608q.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist:	8260b



Original Final

1 Dichlorodifluoromethane CAS#: 75-71-8 Reason: M1



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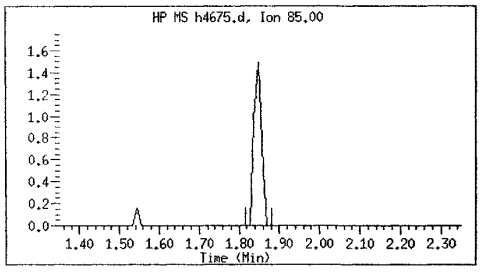
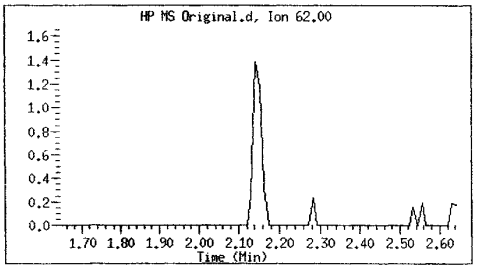


3 Vinyl Chloride + CAS#: 75-01-4 Reason: M1



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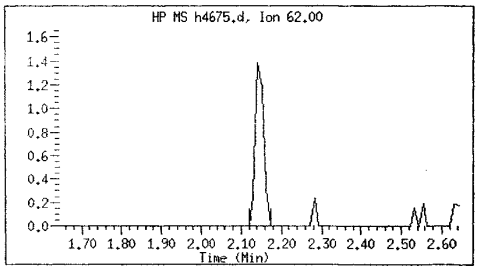

170394

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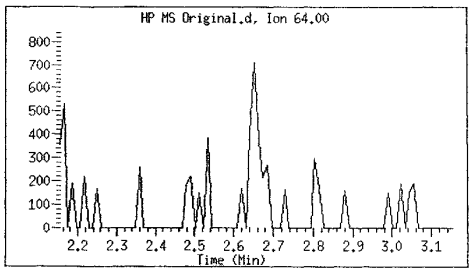
8 Chloroethane CAS#: 75-00-3 Reason: M1



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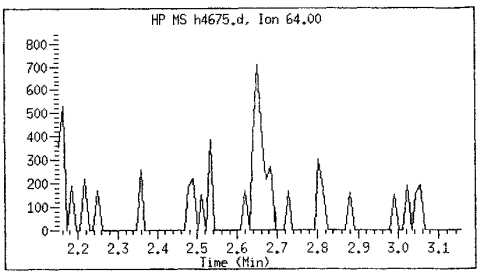
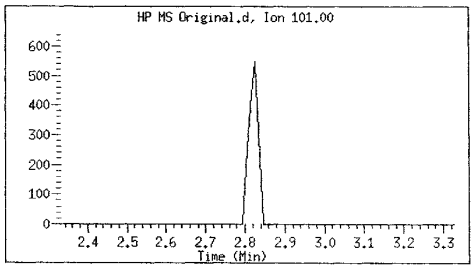


9 Trichlorofluoromethane CAS#: 75-69-4 Reason: M1



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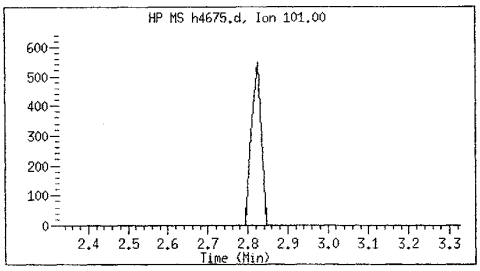
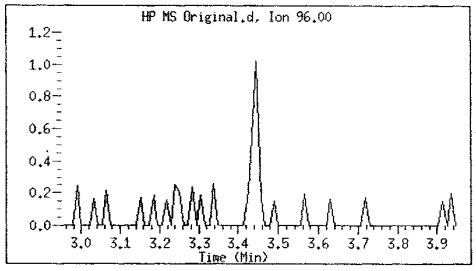


11 1,1-Dichloroethene + CAS#: 75-35-4 Reason: M1



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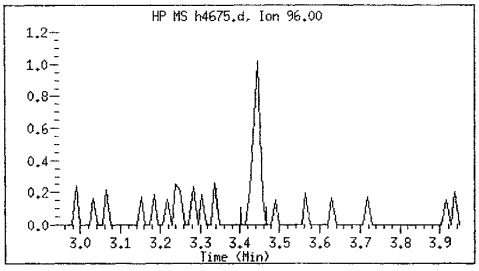
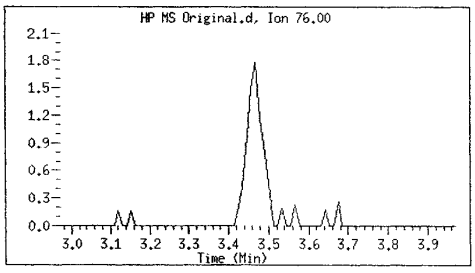


12 Carbon Disulfide CAS#: 75-15-0 Reason: M1



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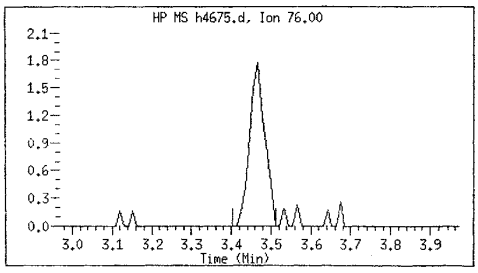
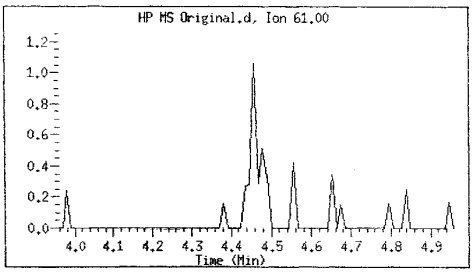


19 trans-1,2-Dichloroethene CAS#: 156-60-5 Reason: M1



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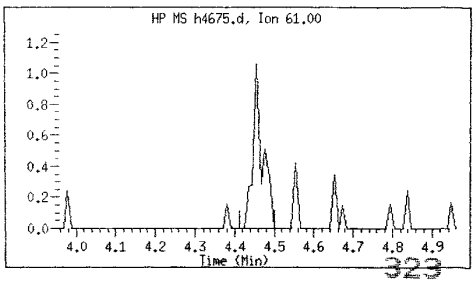
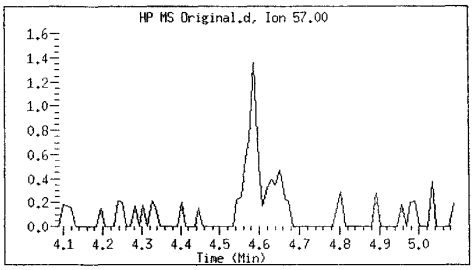


Original Final

21 Hexane CAS#: 110-54-3 Reason: M1



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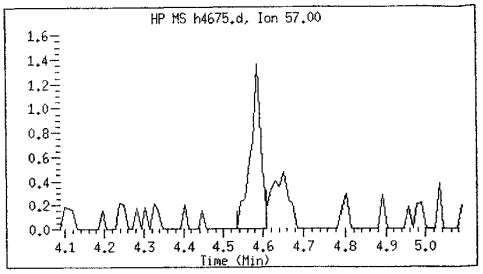
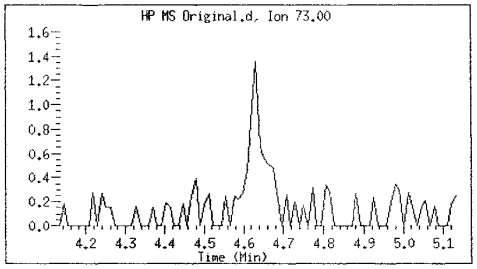


22 MTBE CAS#: 1634-04-4 Reason: M1



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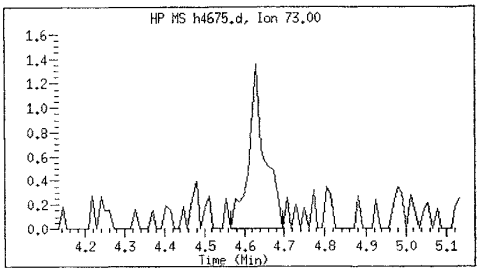
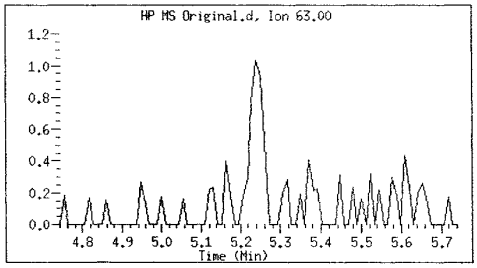


27 1,1-Dichloroethane ++ CAS#: 75-34-3 Reason: M1



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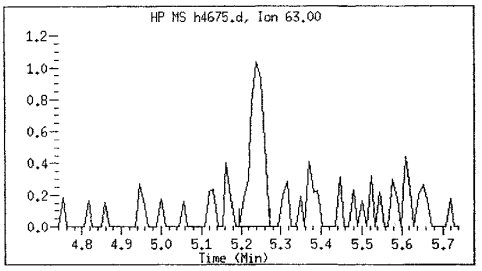
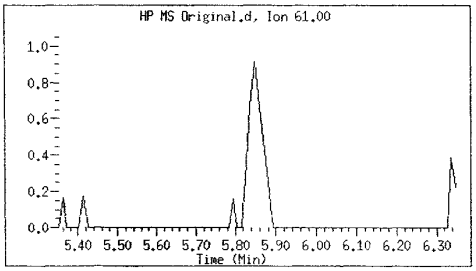


31 cis-1,2-Dichloroethene CAS#: 156-59-2 Reason: M1



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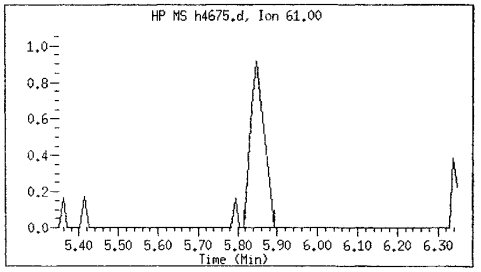
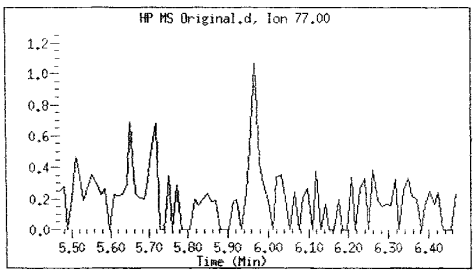


32 2,2-Dichloropropane CAS#: 594-20-7 Reason: M1



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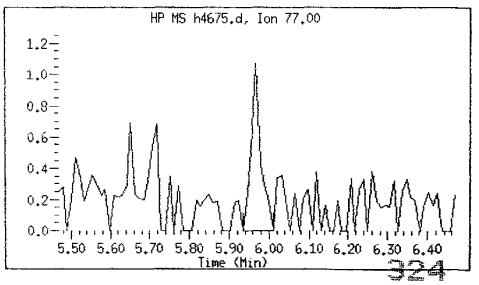
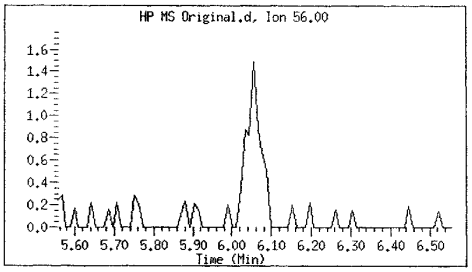


Original Final

34 Cyclohexane CAS#: 110-82-7 Reason: M1



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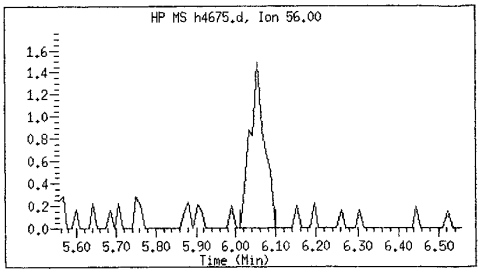
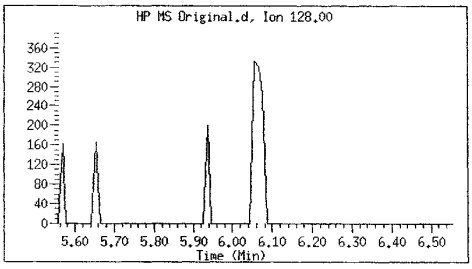


33 Bromochloromethane CAS#: 74-97-5 Reason: M1



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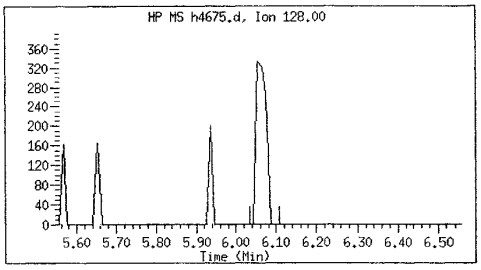
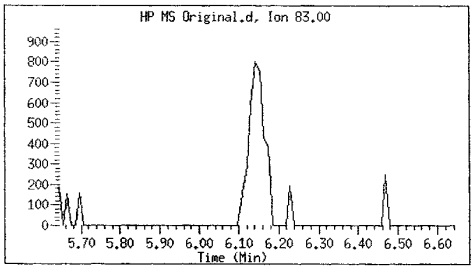


35 Chloroform + CAS#: 67-66-3 Reason: M1



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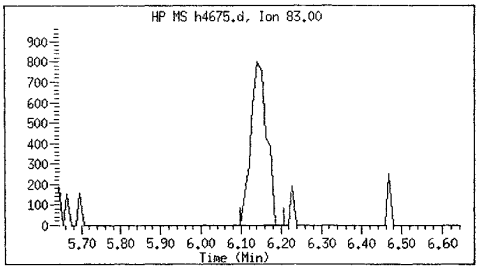
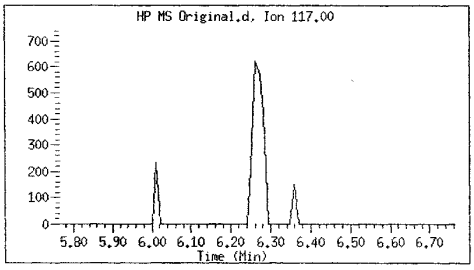


36 Carbon Tetrachloride CAS#: 56-23-5 Reason: M1



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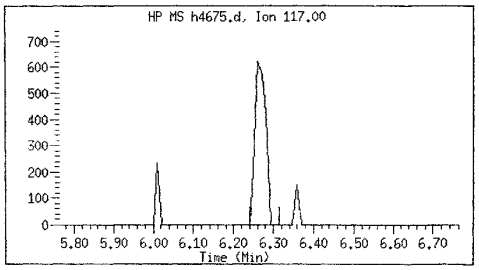
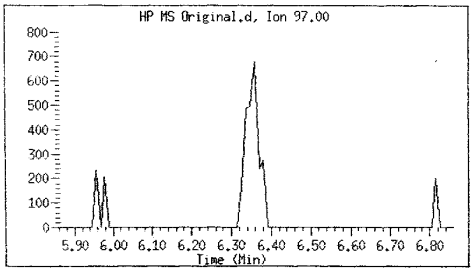


40 1,1,1-Trichloroethane CAS#: 71-55-6 Reason: M1



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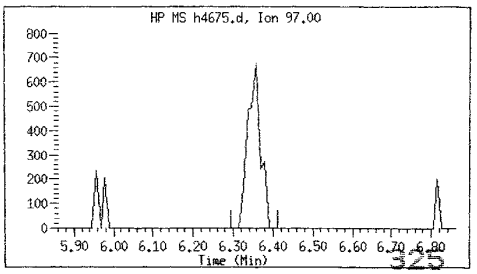
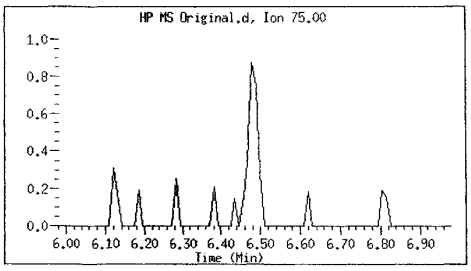


Original | Final

43 1,1-Dichloropropene CAS#: 563-58-6 Reason: M1



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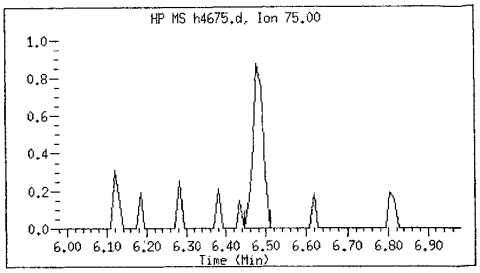
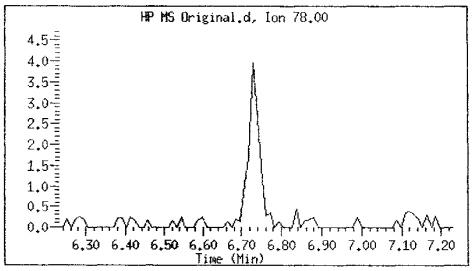


45 Benzene CAS#: 71-43-2 Reason: M1



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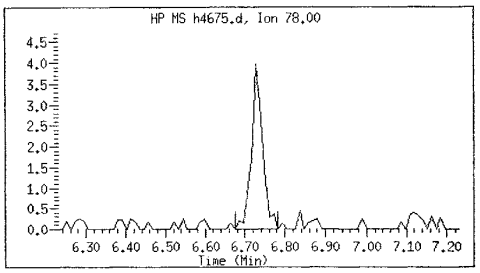
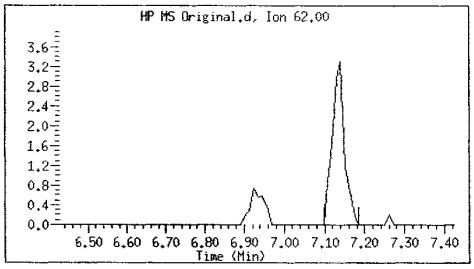


49 1,2-Dichloroethane CAS#: 107-06-2 Reason: M1



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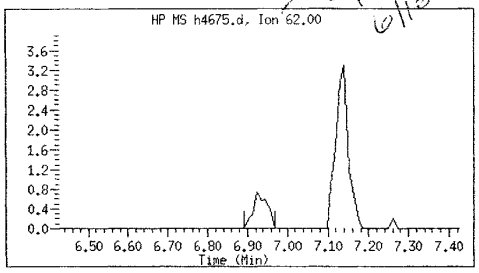
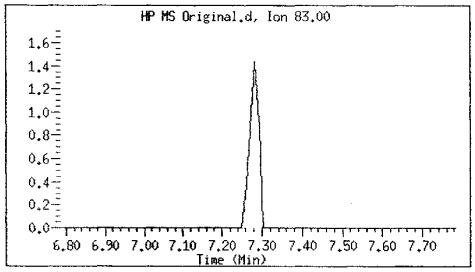


53 Methyl Cyclohexane CAS#: 108-87-2 Reason: M1



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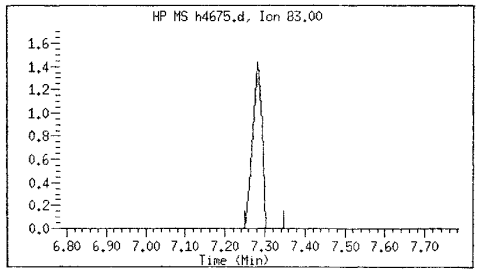
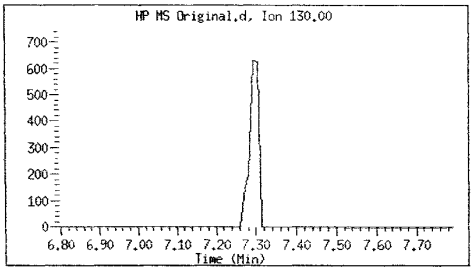


54 Trichloroethene CAS#: 79-01-6 Reason: M1



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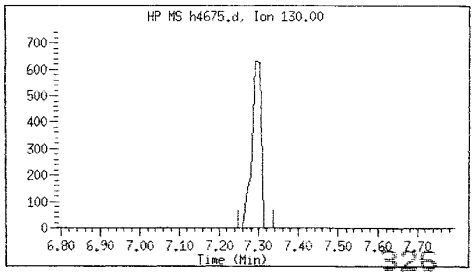
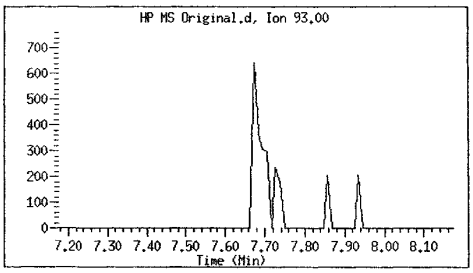


Original Final

57 Dibromomethane CAS#: 74-95-3 Reason: M1



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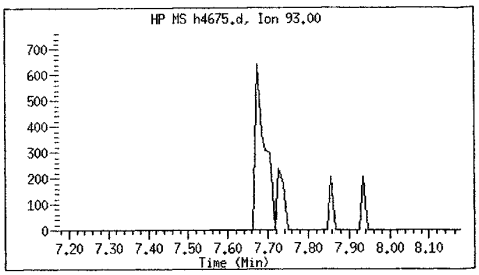
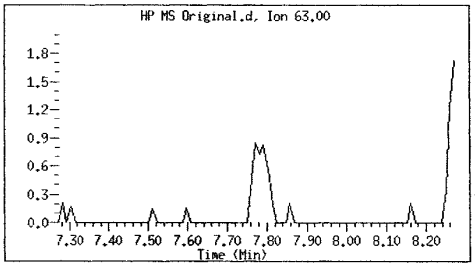


59 1,2-Dichloropropane + CAS#: 78-87-5 Reason: M1



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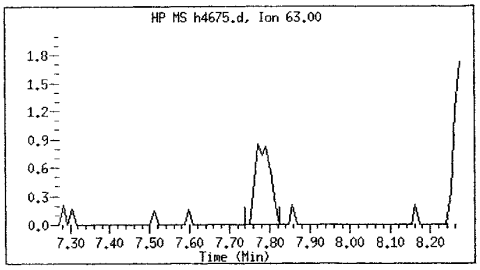
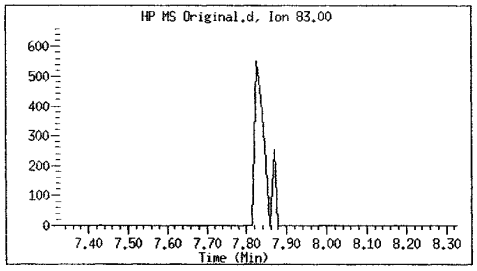


60 Bromodichloromethane CAS#: 75-27-4 Reason: M1



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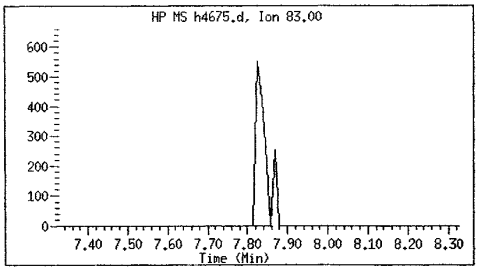
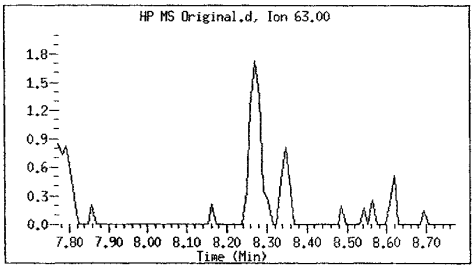


64 1-Bromo-2-chloroethane CAS#: 107-04-0 Reason: M1



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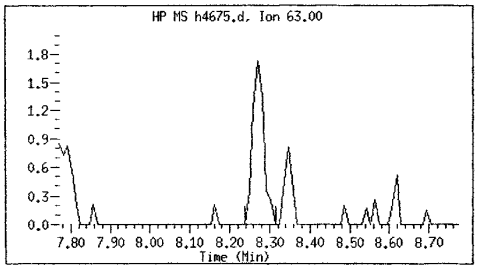
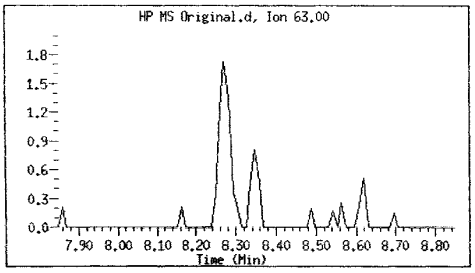


65 2-Chloroethyl vinyl ether CAS#: 110-75-8 Reason: M1



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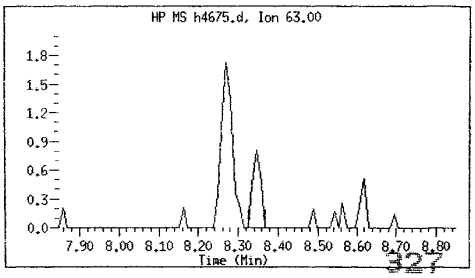
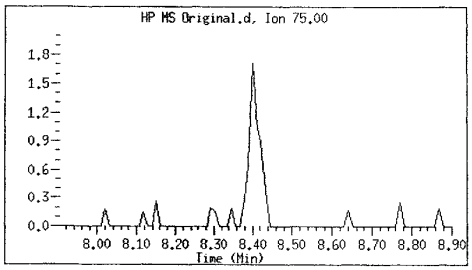


Original Final

66 cis-1,3-Dichloropropene CAS#: 10061-01-5 Reason: M1



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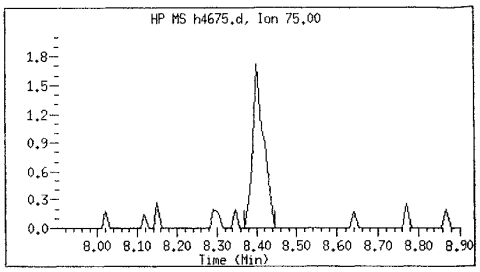

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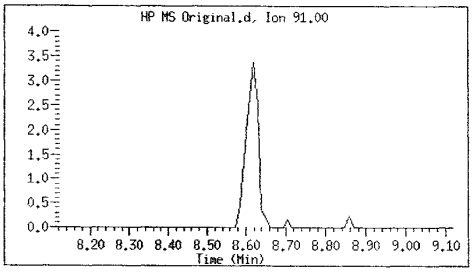
69 Toluene + CAS#: 108-88-3 Reason: M1



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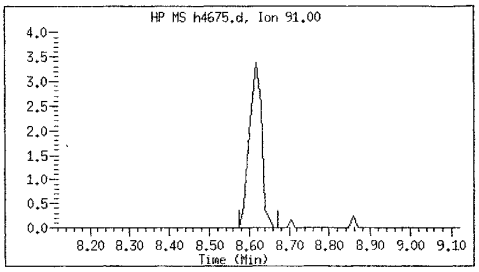

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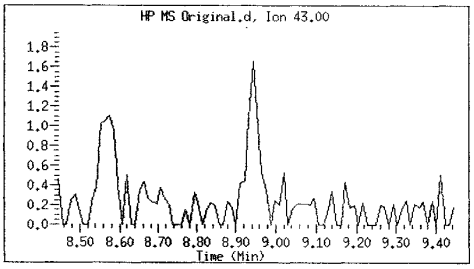
71 4-methyl-2-pentanone CAS#: 108-10-1 Reason: M1



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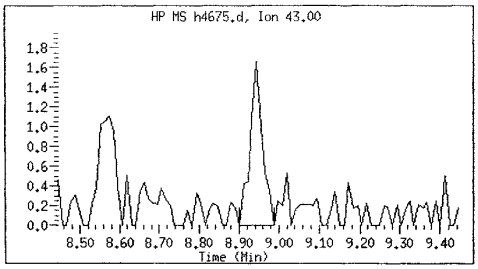

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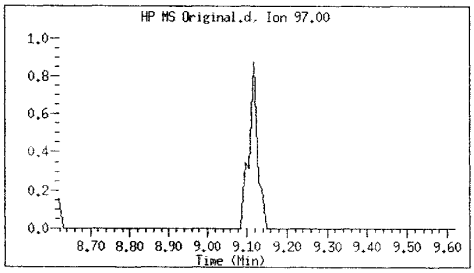
75 1,1,2-Trichloroethane CAS#: 79-00-5 Reason: M1



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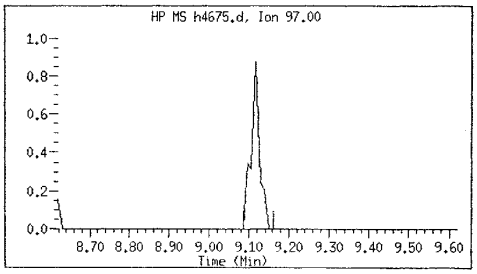

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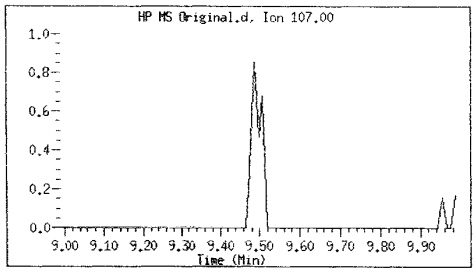
79 1,2-Dibromoethane(EDB) CAS#: 106-93-4 Reason: M1



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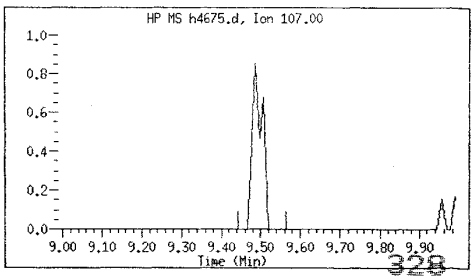
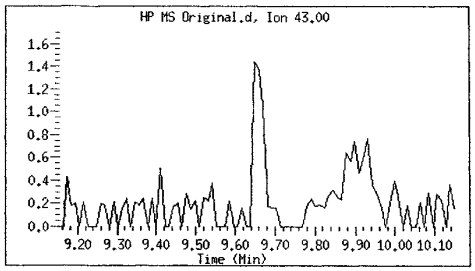


Original Final

80 2-Hexanone CAS#: 591-78-6 Reason: M1



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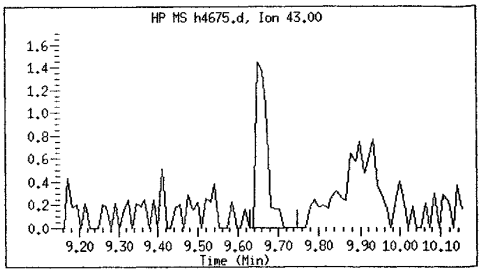
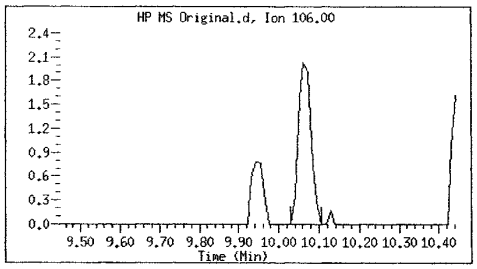


85 Ethylbenzene + CAS#: 100-41-4 Reason: M1 3 RBM 6/13/08



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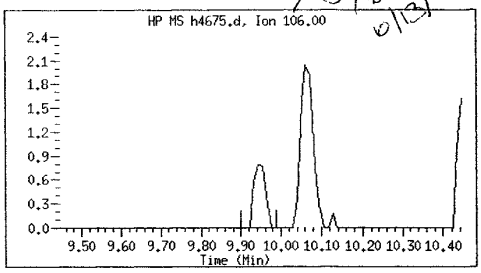
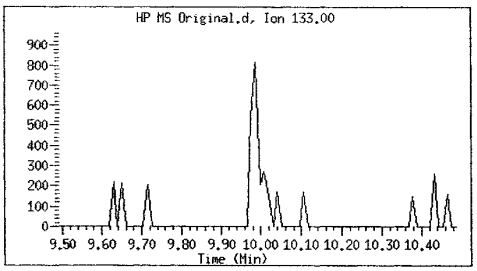


86 1,1,1,2-Tetrachloroethane CAS#: 630-20-6 Reason: M1



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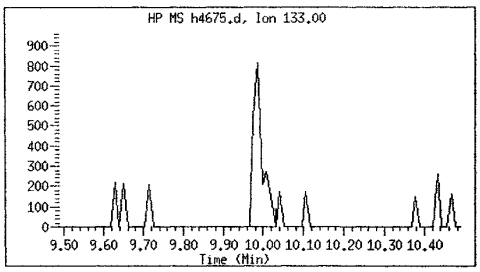
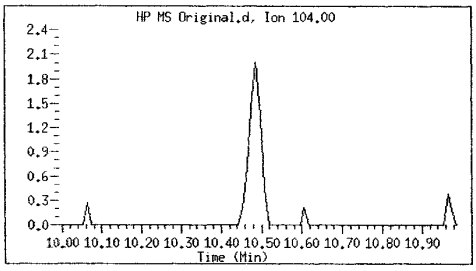


90 Styrene CAS#: 100-42-5 Reason: M1



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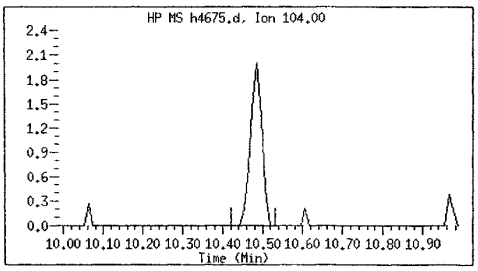
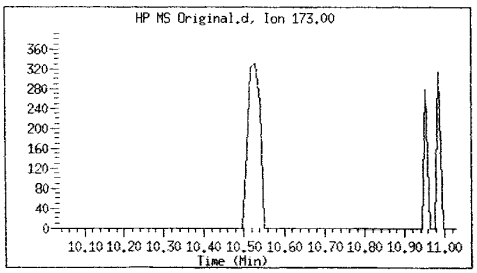


91 Bromoform ++ CAS#: 75-25-2 Reason: M1



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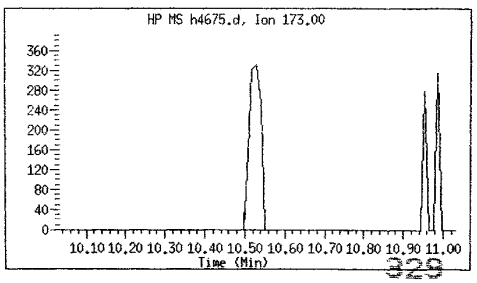
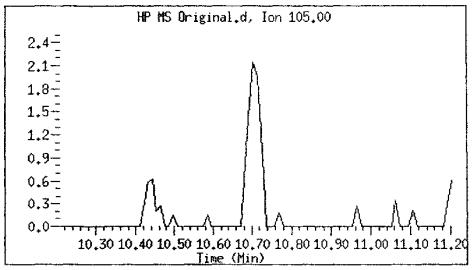


Original | Final

93 Isopropylbenzene CAS#: 98-82-8 Reason: M1



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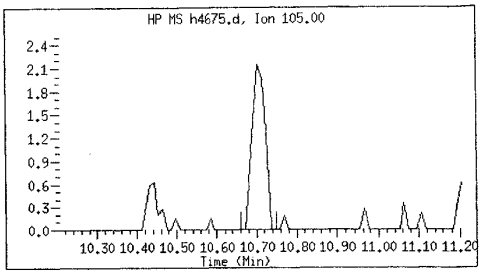
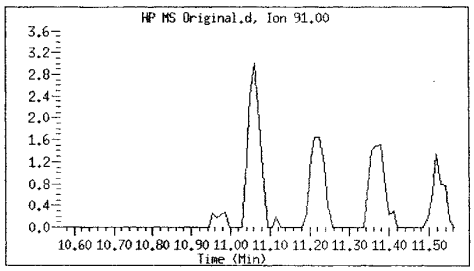


95 n-Propylbenzene CAS#: 103-65-1 Reason: M1



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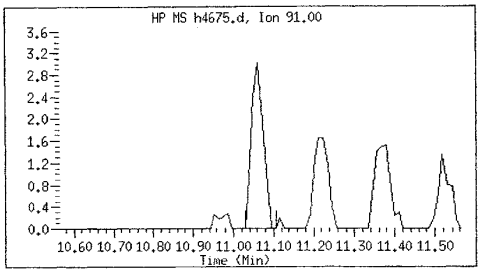
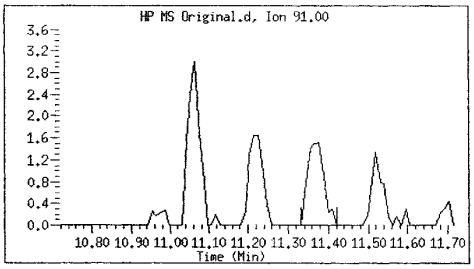


98 2-Chlorotoluene CAS#: 95-49-8 Reason: M1 3 fbm 6/13/08



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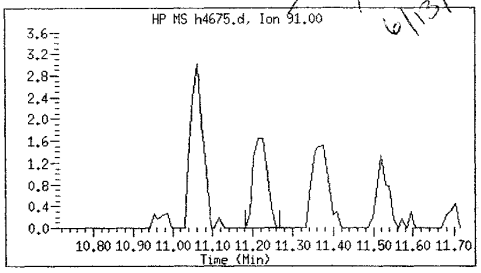
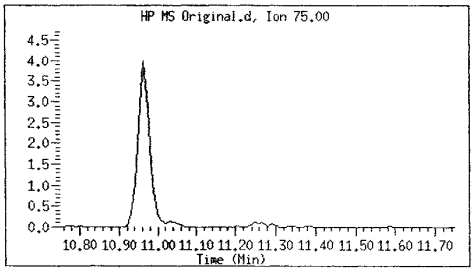


100 1,2,3-Trichloropropane CAS#: 96-18-4 Reason: M1



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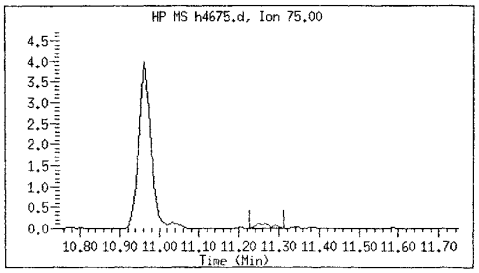
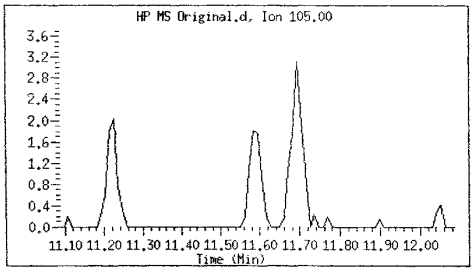


106 1,2,4-Trimethylbenzene CAS#: 95-63-6 Reason: M1



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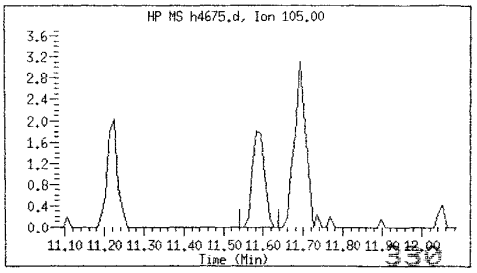
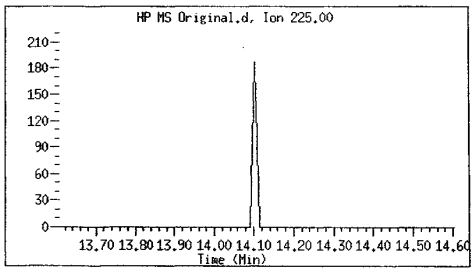


Original Final

122 Hexachlorobutadiene CAS#: 87-68-3 Reason: M1



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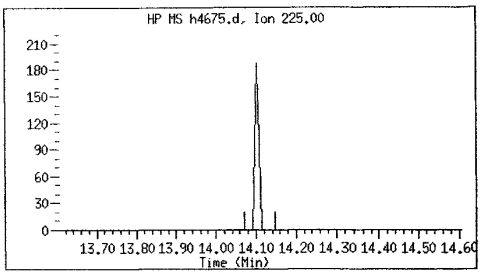
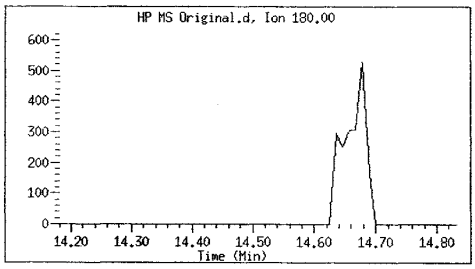


126 1,2,3-Trichlorobenzene CAS#: 87-61-6 Reason: M1



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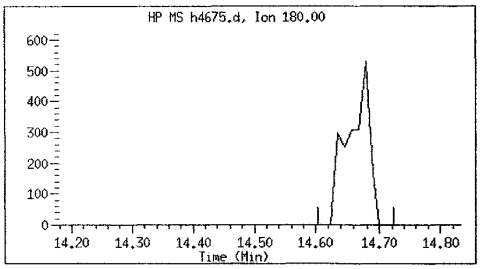

M1 - Target system did not integrate

170403

GCAL, Inc.

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Lab Smp Id: 1207 Client Smp ID: V5STD001
Inj Date : 08-JUN-2008 21:02
Operator : EGW Inst ID: msv5.i
Smp Info : 1207*V5STD001*6-23-8
Misc Info : MSV~13440~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Meth Date : 11-Jun-2008 12:45 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 12:49 Cal File: h4664.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	1.848	1.848	(0.259)	3516	1.00000	0.939		
2 Chloromethane ++	50	2.054	2.054	(0.288)	7631	1.00000	1.26		
3 Vinyl Chloride +	62	2.141	2.141	(0.300)	4500	1.00000	1.07		
5 Bromomethane	94	2.511	2.511	(0.352)	2670	1.00000	2.54		
11 1,1-Dichloroethene +	96	3.446	3.446	(0.483)	2082	1.00000	1.02		
12 Carbon Disulfide	76	3.467	3.467	(0.486)	9489	1.00000	1.24		(M1)
13 1,1,2Trichlotrifluoroethane	101	3.500	3.500	(0.491)	1742	1.00000	1.06		
15 Acrolein	56	3.913	3.913	(0.549)	2676	5.00000	6.18		
17 Methylene Chloride	49	4.239	4.239	(0.595)	5176	1.00000	1.22		
18 Acetone	43	4.337	4.337	(0.608)	6632	1.00000	1.65		
19 trans-1,2-Dichloroethene	61	4.467	4.467	(0.627)	2790	1.00000	1.09		
20 Methyl Acetate	43	4.500	4.500	(0.631)	2921	1.00000	0.884	2263	
21 Hexane	57	4.576	4.576	(0.642)	4734	1.00000	1.16	4111	
22 MTBE	73	4.641	4.641	(0.651)	6538	1.00000	0.627	3845	

170404

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	27 1,1-Dichloroethane ++	63	5.228	5.228	(0.733)	6099	1.00000	1.23	
	29 Acrylonitrile	53	5.304	5.304	(0.744)	8425	5.00000	5.63	
	30 Vinyl Acetate	43	5.554	5.554	(0.779)	12592	1.00000	0.660	
M	61 Total 1,2-Dichloroethene	61				6864	2.00000	2.11	
	31 cis-1,2-Dichloroethene	61	5.848	5.848	(0.820)	4074	1.00000	1.02	
	32 2,2-Dichloropropane	77	5.967	5.967	(0.837)	5502	1.00000	0.757	(M1)
	34 Cyclohexane	56	6.054	6.054	(0.849)	6920	1.00000	1.15	8717
	33 Bromochloromethane	128	6.076	6.076	(0.852)	1768	1.00000	1.17	
	35 Chloroform +	83	6.152	6.152	(0.863)	5363	1.00000	1.09	(M1)
	36 Carbon Tetrachloride	117	6.271	6.271	(0.880)	2109	1.00000	0.813	
$	39 Dibromofluoromethane	111	6.336	6.336	(0.889)	156673	50.0000	51.1	6273
	40 1,1,1-Trichloroethane	97	6.347	6.347	(0.890)	3637	1.00000	1.29	
	43 1,1-Dichloropropene	75	6.478	6.478	(0.909)	4323	1.00000	1.06	
$	48 1,2-Dichloroethane-d4	67	6.869	6.869	(0.963)	83451	50.0000	49.0	
	49 1,2-Dichloroethane	62	6.945	6.945	(0.974)	3551	1.00000	0.931	
*	52 FLUOROBENZENE	96	7.130	7.130	(1.000)	569644	50.0000		
	53 Methyl Cyclohexane	83	7.282	7.282	(1.021)	4015	1.00000	0.571	8832
	54 Trichloroethene	130	7.293	7.293	(1.023)	2741	1.00000	1.03	
	57 Dibromomethane	93	7.684	7.684	(1.078)	1866	1.00000	0.847	
	59 1,2-Dichloropropane +	63	7.792	7.792	(1.093)	4501	1.00000	1.08	
	60 Bromodichloromethane	83	7.836	7.836	(1.099)	4225	1.00000	1.44	
	64 1-Bromo-2-chloroethane	63	8.281	8.281	(1.161)	7154	1.00000	0.955	8381
	65 2-Chloroethyl vinyl ether	63	8.357	8.357	(1.172)	3085	1.00000	0.975	
	66 cis-1,3-Dichloropropene	75	8.411	8.411	(1.180)	5341	1.00000	0.996	
M	6 1-3 Dichloropropene-Total	100				10866	2.00000	2.16	0
$	67 Toluene-d8	98	8.574	8.574	(0.864)	472722	50.0000	52.8	
	69 Toluene +	91	8.618	8.618	(0.869)	13488	1.00000	0.609	
	71 4-methyl-2-pentanone	43	8.943	8.943	(1.254)	6891	1.00000	1.15	
	72 Tetrachloroethene	164	8.954	8.954	(0.903)	1748	1.00000	1.02	
	73 trans-1,3-Dichloropropene	75	8.976	8.976	(0.905)	5525	1.00000	1.26	
	75 1,1,2-Trichloroethane	97	9.106	9.106	(0.918)	3167	1.00000	1.16	
	76 Dibromochloromethane	129	9.269	9.269	(0.934)	3128	1.00000	1.07	
	77 1,3-Dichloropropane	76	9.367	9.367	(0.944)	5266	1.00000	1.03	
	79 1,2-Dibromoethane(EDB)	107	9.486	9.486	(0.956)	3419	1.00000	1.12	
	80 2-Hexanone	43	9.660	9.660	(0.974)	5369	1.00000	1.26	
	82 1-Chlorohexane	91	9.899	9.899	(0.998)	4113	1.00000	0.969	1813
*	83 CHLOROBENZENE-d5	82	9.921	9.921	(1.000)	234384	50.0000		
	84 Chlorobenzene ++	112	9.943	9.943	(1.002)	8804	1.00000	1.24	
	85 Ethylbenzene +	106	9.943	9.943	(1.002)	4728	1.00000	0.997	
	86 1,1,1,2-Tetrachloroethane	133	9.986	9.986	(1.007)	2680	1.00000	1.17	(M1)
	87 p,m-Xylene	106	10.062	10.062	(1.014)	8838	2.00000	2.01	
	89 o-Xylene	106	10.432	10.432	(1.051)	4838	1.00000	1.07	
	90 Styrene	104	10.486	10.486	(1.057)	9373	1.00000	1.16	
	91 Bromoform ++	173	10.529	10.529	(1.061)	1576	1.00000	0.920	
	93 Isopropylbenzene	105	10.703	10.703	(1.079)	11968	1.00000	1.14	
$	94 Bromofluorobenzene	174	10.964	10.964	(1.105)	140864	50.0000	52.8	
	95 n-Propylbenzene	91	11.062	11.062	(0.921)	15763	1.00000	1.08	

170405

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
96	Bromobenzene	77	11.062	11.062	(0.921)	7148	1.00000	1.21	(M1)
97	1,1,2,2-Tetrachloroethane++	83	11.127	11.127	(0.927)	4238	1.00000	0.925	
98	2-Chlorotoluene	91	11.214	11.214	(0.934)	10463	1.00000	1.11	
99	1,3,5-Trimethylbenzene	105	11.225	11.225	(0.935)	9155	1.00000	1.03	
100	1,2,3-Trichloropropane	75	11.257	11.257	(0.938)	4588	1.00000	0.854	
101	trans-1,4-Dichloro-2-Butene	53	11.279	11.279	(0.939)	1337	1.00000	0.950	
103	4-Chlorotoluene	91	11.366	11.366	(0.947)	10561	1.00000	1.21	
M 124	TOTAL XYLENE	106				13676	3.00000	3.08	
104	tert-butylbenzene	91	11.518	11.518	(0.959)	5412	1.00000	1.05	
106	1,2,4-Trimethylbenzene	105	11.594	11.594	(0.966)	9793	1.00000	1.06	
107	sec-Butylbenzene	105	11.703	11.703	(0.975)	11765	1.00000	1.02	
108	p-Isopropyltoluene	119	11.822	11.822	(0.985)	10475	1.00000	1.14	
110	1,3-Dichlorobenzene	146	11.942	11.942	(0.995)	4921	1.00000	1.04	
* 111	1,4-DICHLOROBENZENE-D4	152	12.007	12.007	(1.000)	174312	50.0000		
112	1,4-Dichlorobenzene	146	12.018	12.018	(1.001)	5602	1.00000	1.04	
115	n-Butylbenzene	91	12.257	12.257	(1.021)	9789	1.00000	1.05	
116	1,2-Dichlorobenzene	146	12.485	12.485	(1.040)	5020	1.00000	1.08	
120	1,2-Dibromo-3-Chloropropane	157	13.419	13.419	(1.118)	370	1.00000	1.10	(M1)
122	Hexachlorobutadiene	225	14.081	14.081	(1.173)	1103	1.00000	1.17	
123	1,2,4-Trichlorobenzene	180	14.135	14.135	(1.177)	2436	1.00000	0.896	
125	Naphthalene	128	14.483	14.483	(1.206)	8589	1.00000	0.971	
126	1,2,3-Trichlorobenzene	180	14.657	14.657	(1.221)	2745	1.00000	1.02	

QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.

Data File: /var/chem/msv5.i/2080608q.b/h4676.d

Date : 08-JUN-2008 21:02

Client ID: V5STD001

Instrument: msv5.i

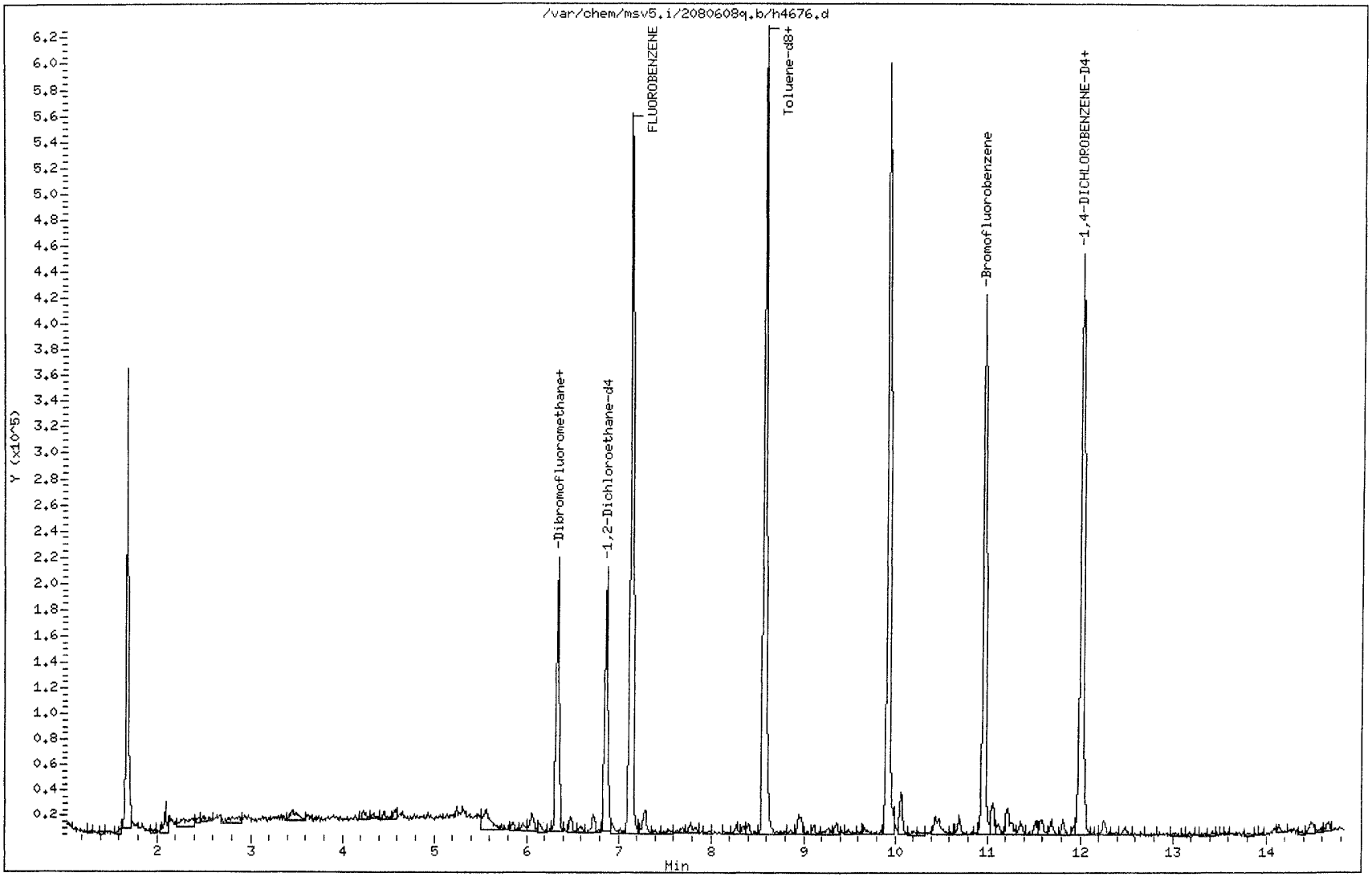
Sample Info: 1207*V5STD001*6-23-8

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-30M

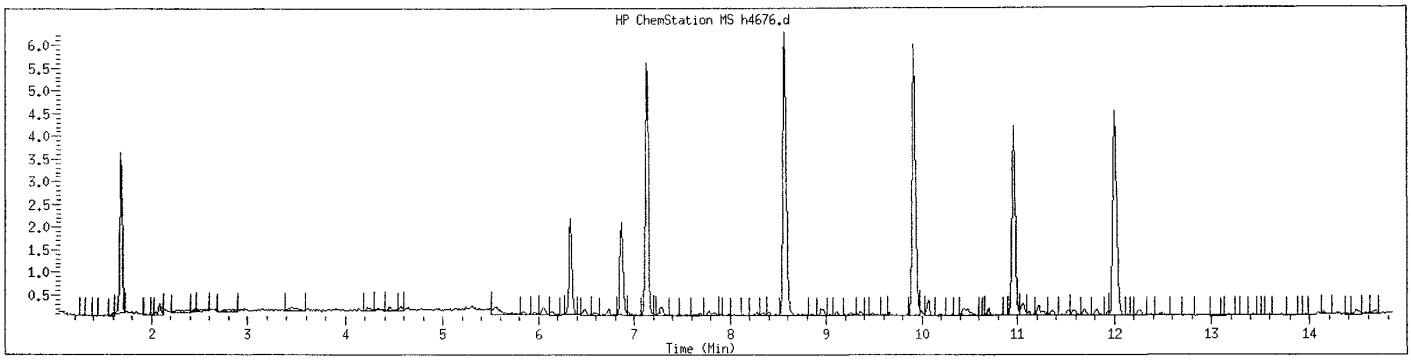
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080608q.b/h4676.d
Report Date: 06/11/2008 12:45

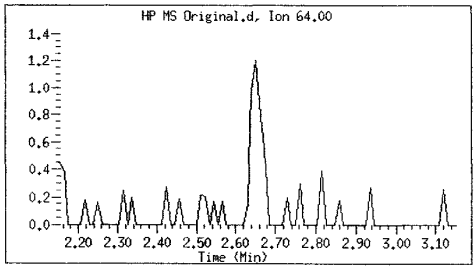
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1207	SampleType	: CALIB_7
Injection Date	: 06/08/2008 21:02	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 1207*V5STD001*6-23-8		
Misc Info	: MSV~13440~*1*JCK		
Method	: /var/chem/msv5.i/2080608q.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



Original Final

8 Chloroethane CAS#: 75-00-3 Reason: M1



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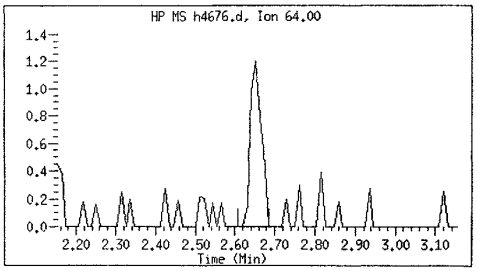
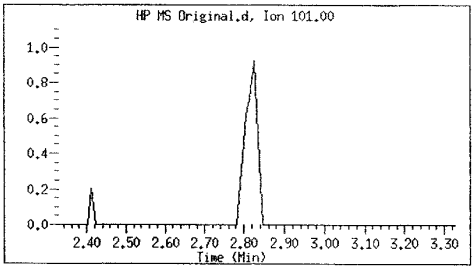


9 Trichlorofluoromethane CAS#: 75-69-4 Reason: M1



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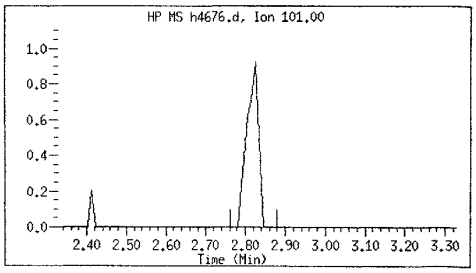
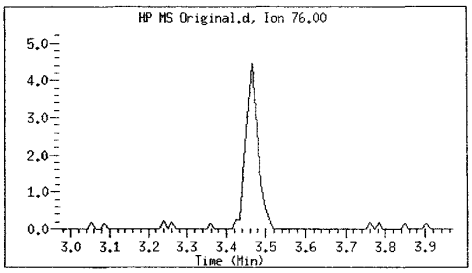


170408

Original | Final

12 Carbon Disulfide CAS#: 75-15-0 Reason: M1



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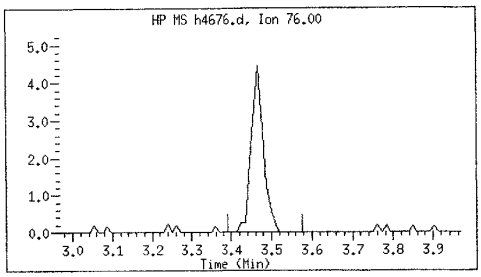
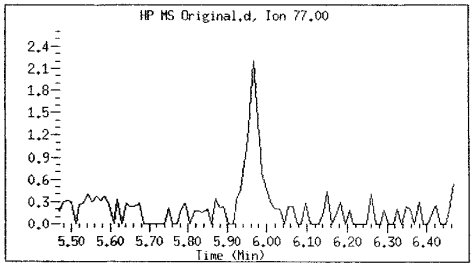


32 2,2-Dichloropropane CAS#: 594-20-7 Reason: M1



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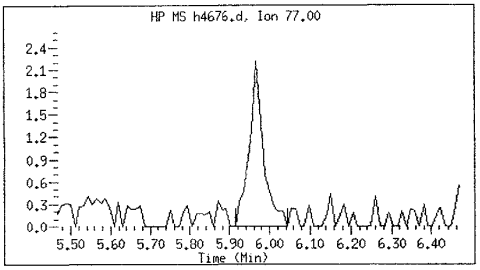
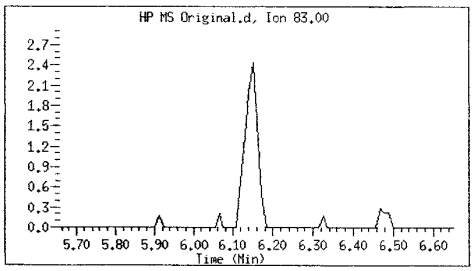


35 Chloroform + CAS#: 67-66-3 Reason: M1



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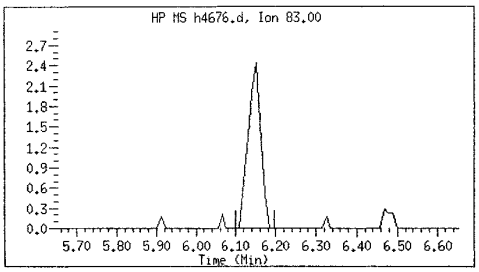
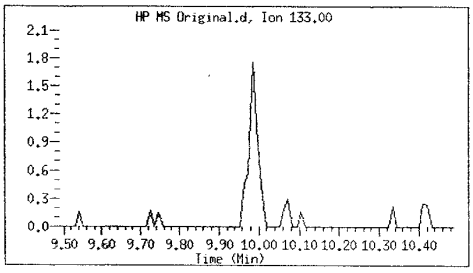


86 1,1,1,2-Tetrachloroethane CAS#: 630-20-6 Reason: M1



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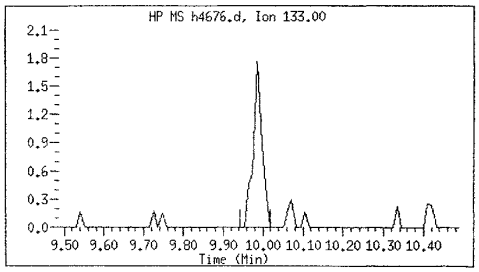
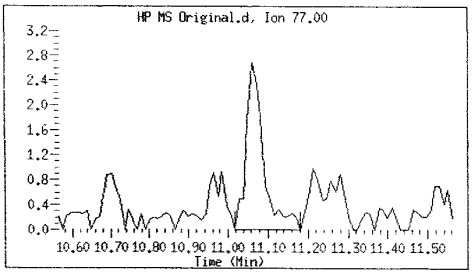


96 Bromobenzene CAS#: 108-86-1 Reason: M1 ? RBM 6/13/08



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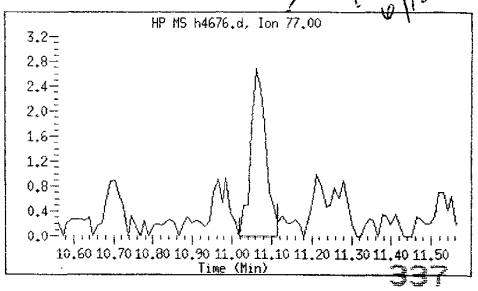
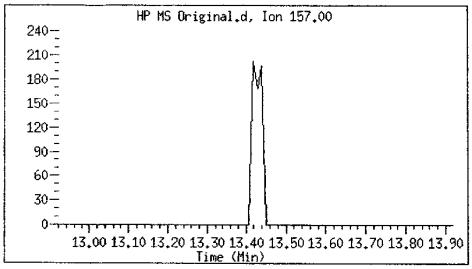


Original Final

120 1,2-Dibromo-3-Chloropropane CAS#: 96-12-8 Reason: M1



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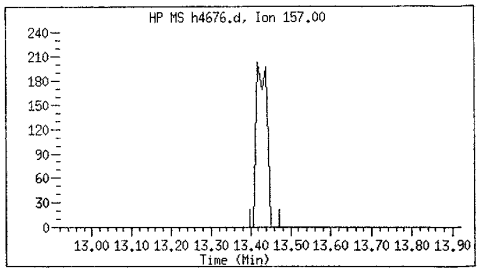


M1 - Target system did not integrate

M2 - Target System integrated incorrectly

170410

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608q.b/h4677.d
Lab Smp Id: 1201 Client Smp ID: V5STD005
Inj Date : 08-JUN-2008 21:25
Operator : EGW Inst ID: msv5.i
Smp Info : 1201*V5STD005*6-23-8
Misc Info : MSV~13440~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Meth Date : 11-Jun-2008 12:45 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 13:17 Cal File: h4665.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/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	1.848	1.848	(0.259)	18042	5.00000	4.88	
2 Chloromethane ++	50	2.054	2.054	(0.288)	28047	5.00000	4.68	
3 Vinyl Chloride +	62	2.141	2.141	(0.300)	18703	5.00000	4.50	
5 Bromomethane	94	2.510	2.510	(0.352)	9680	5.00000	6.11	
8 Chloroethane	64	2.652	2.652	(0.372)	9079	5.00000	2.47	
9 Trichlorofluoromethane	101	2.815	2.815	(0.395)	13538	5.00000	4.56	
11 1,1-Dichloroethene +	96	3.434	3.434	(0.482)	10444	5.00000	5.16	
12 Carbon Disulfide	76	3.467	3.467	(0.486)	37569	5.00000	4.97	
13 1,1,2Trichlotrifluoroethane	101	3.500	3.500	(0.491)	10863	5.00000	5.54	
14 Methyl Iodide	142	3.619	3.619	(0.508)	14450	5.00000	4.01	
15 Acrolein	56	3.902	3.902	(0.547)	8914	25.0000	20.8	
17 Methylene Chloride	49	4.239	4.239	(0.595)	20778	5.00000	4.96	
18 Acetone	43	4.326	4.326	(0.607)	5953	5.00000	1.23	
19 trans-1,2-Dichloroethene	61	4.456	4.456	(0.625)	18539	5.00000	5.75	

170411

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	20	Methyl Acetate	43	4.511	4.511	(0.633)	20127	5.00000	6.16	4179
	21	Hexane	57	4.576	4.576	(0.642)	20339	5.00000	5.02	7569(M2)
	22	MTBE	73	4.641	4.641	(0.651)	30572	5.00000	4.66	6844
	27	1,1-Dichloroethane ++	63	5.239	5.239	(0.735)	22829	5.00000	4.67	
	29	Acrylonitrile	53	5.315	5.315	(0.745)	37544	25.0000	25.4	
	30	Vinyl Acetate	43	5.554	5.554	(0.779)	40278	5.00000	4.88	
M	61	Total 1,2-Dichloroethene	61				38801	10.0000	10.7	
	31	cis-1,2-Dichloroethene	61	5.848	5.848	(0.820)	20262	5.00000	4.96	
	32	2,2-Dichloropropane	77	5.967	5.967	(0.837)	17004	5.00000	4.53	
	34	Cyclohexane	56	6.065	6.065	(0.851)	29505	5.00000	4.97	8977
	33	Bromochloromethane	128	6.054	6.054	(0.849)	7418	5.00000	4.95	
	35	Chloroform +	83	6.141	6.141	(0.861)	23900	5.00000	4.91	
	36	Carbon Tetrachloride	117	6.272	6.272	(0.880)	14108	5.00000	5.92	
$	39	Dibromofluoromethane	111	6.326	6.326	(0.887)	148696	50.0000	49.1	6416
	40	1,1,1-Trichloroethane	97	6.348	6.348	(0.890)	13851	5.00000	4.71	
	42	2-Butanone	43	6.478	6.478	(0.909)	19293	5.00000	4.60	
	43	1,1-Dichloropropene	75	6.478	6.478	(0.909)	21046	5.00000	5.21	
	45	Benzene	78	6.728	6.728	(0.944)	58470	5.00000	4.44	
$	48	1,2-Dichloroethane-d4	67	6.869	6.869	(0.963)	84017	50.0000	49.9	
	49	1,2-Dichloroethane	62	6.924	6.924	(0.971)	17820	5.00000	4.73	
*	52	FLUOROBENZENE	96	7.130	7.130	(1.000)	562969	50.0000		
	53	Methyl Cyclohexane	83	7.282	7.282	(1.021)	23555	5.00000	4.85	9233
	54	Trichloroethene	130	7.293	7.293	(1.023)	12023	5.00000	4.39	
	57	Dibromomethane	93	7.684	7.684	(1.078)	10402	5.00000	4.66	
	59	1,2-Dichloropropane +	63	7.782	7.782	(1.091)	19415	5.00000	4.69	
	60	Bromodichloromethane	83	7.836	7.836	(1.099)	18547	5.00000	5.07	
	64	1-Bromo-2-chloroethane	63	8.271	8.271	(1.160)	33439	5.00000	4.52	9515
	65	2-Chloroethyl vinyl ether	63	8.347	8.347	(1.171)	15370	5.00000	4.92	
	66	cis-1,3-Dichloropropene	75	8.401	8.401	(1.178)	28185	5.00000	5.32	
M	6	1-3 Dichloropropene-Total	100				50093	10.0000	10.1	0
$	67	Toluene-d8	98	8.564	8.564	(0.863)	462346	50.0000	47.1	
	69	Toluene +	91	8.619	8.619	(0.869)	56395	5.00000	4.14	
	71	4-methyl-2-pentanone	43	8.944	8.944	(1.254)	27956	5.00000	4.73	
	72	Tetrachloroethene	164	8.955	8.955	(0.903)	8690	5.00000	4.62	
	73	trans-1,3-Dichloropropene	75	8.966	8.966	(0.904)	21908	5.00000	4.56	
	75	1,1,2-Trichloroethane	97	9.118	9.118	(0.919)	14262	5.00000	4.75	
	76	Dibromochloromethane	129	9.281	9.281	(0.935)	14386	5.00000	4.48	
	77	1,3-Dichloropropane	76	9.357	9.357	(0.943)	26131	5.00000	4.65	
	79	1,2-Dibromoethane(EDB)	107	9.499	9.499	(0.957)	14355	5.00000	4.29	
	80	2-Hexanone	43	9.651	9.651	(0.973)	22061	5.00000	4.71	
	82	1-Chlorohexane	91	9.900	9.900	(0.998)	22792	5.00000	4.90	3248(H)
*	83	CHLOROBENZENE-d5	82	9.922	9.922	(1.000)	256839	50.0000		
	84	Chlorobenzene ++	112	9.933	9.933	(1.001)	35270	5.00000	4.53	
	85	Ethylbenzene +	106	9.944	9.944	(1.002)	18191	5.00000	4.39	
	86	1,1,1,2-Tetrachloroethane	133	9.988	9.988	(1.007)	12065	5.00000	4.80	
	87	p,m-Xylene	106	10.064	10.064	(1.014)	44000	10.0000	9.14	
	89	o-Xylene	106	10.444	10.444	(1.053)	21903	5.00000	4.42	

170412

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	90 Styrene	104	10.488	10.488	(1.057)	38964	5.00000	4.42	
	91 Bromoform ++	173	10.520	10.520	(1.060)	9259	5.00000	4.93	
	93 Isopropylbenzene	105	10.705	10.705	(1.079)	54722	5.00000	4.76	
$	94 Bromofluorobenzene	174	10.966	10.966	(1.105)	137620	50.0000	47.1	
	95 n-Propylbenzene	91	11.053	11.053	(0.920)	70380	5.00000	4.71	
	96 Bromobenzene	77	11.064	11.064	(0.921)	28819	5.00000	4.77	
	97 1,1,2,2-Tetrachloroethane++	83	11.118	11.118	(0.926)	22361	5.00000	4.78	
	98 2-Chlorotoluene	91	11.216	11.216	(0.934)	43649	5.00000	4.53	
	99 1,3,5-Trimethylbenzene	105	11.216	11.216	(0.934)	41880	5.00000	4.63	
	100 1,2,3-Trichloropropane	75	11.260	11.260	(0.938)	28417	5.00000	5.19	
	101 trans-1,4-Dichloro-2-Butene	53	11.281	11.281	(0.939)	7431	5.00000	5.18	
	103 4-Chlorotoluene	91	11.368	11.368	(0.947)	44738	5.00000	5.04	
M	124 TOTAL XYLENE	106				65903	15.0000	13.6	
	104 tert-butylbenzene	91	11.521	11.521	(0.959)	26067	5.00000	4.98	
	106 1,2,4-Trimethylbenzene	105	11.586	11.586	(0.965)	45444	5.00000	4.84	
	107 sec-Butylbenzene	105	11.695	11.695	(0.974)	57642	5.00000	4.92	
	108 p-Isopropyltoluene	119	11.814	11.814	(0.984)	45917	5.00000	4.90	
	110 1,3-Dichlorobenzene	146	11.934	11.934	(0.994)	21985	5.00000	4.56	
*	111 1,4-DICHLOROBENZENE-D4	152	12.010	12.010	(1.000)	177814	50.0000		
	112 1,4-Dichlorobenzene	146	12.021	12.021	(1.001)	26870	5.00000	4.88	
	115 n-Butylbenzene	91	12.249	12.249	(1.020)	42204	5.00000	4.45	
	116 1,2-Dichlorobenzene	146	12.477	12.477	(1.039)	21357	5.00000	4.52	
	120 1,2-Dibromo-3-Chloropropane	157	13.433	13.433	(1.118)	3197	5.00000	4.95	
	122 Hexachlorobutadiene	225	14.084	14.084	(1.173)	3755	5.00000	3.89	
	123 1,2,4-Trichlorobenzene	180	14.139	14.139	(1.177)	12056	5.00000	4.35	
	125 Naphthalene	128	14.475	14.475	(1.205)	43745	5.00000	4.85	
	126 1,2,3-Trichlorobenzene	180	14.660	14.660	(1.221)	12463	5.00000	4.54	

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

170413

Data File: /var/chem/msv5.i/2080608q.b/h4677.d

Date : 08-JUN-2008 21:25

Client ID: V5STD005

Sample Info: 1201*V5STD005*6-23-8

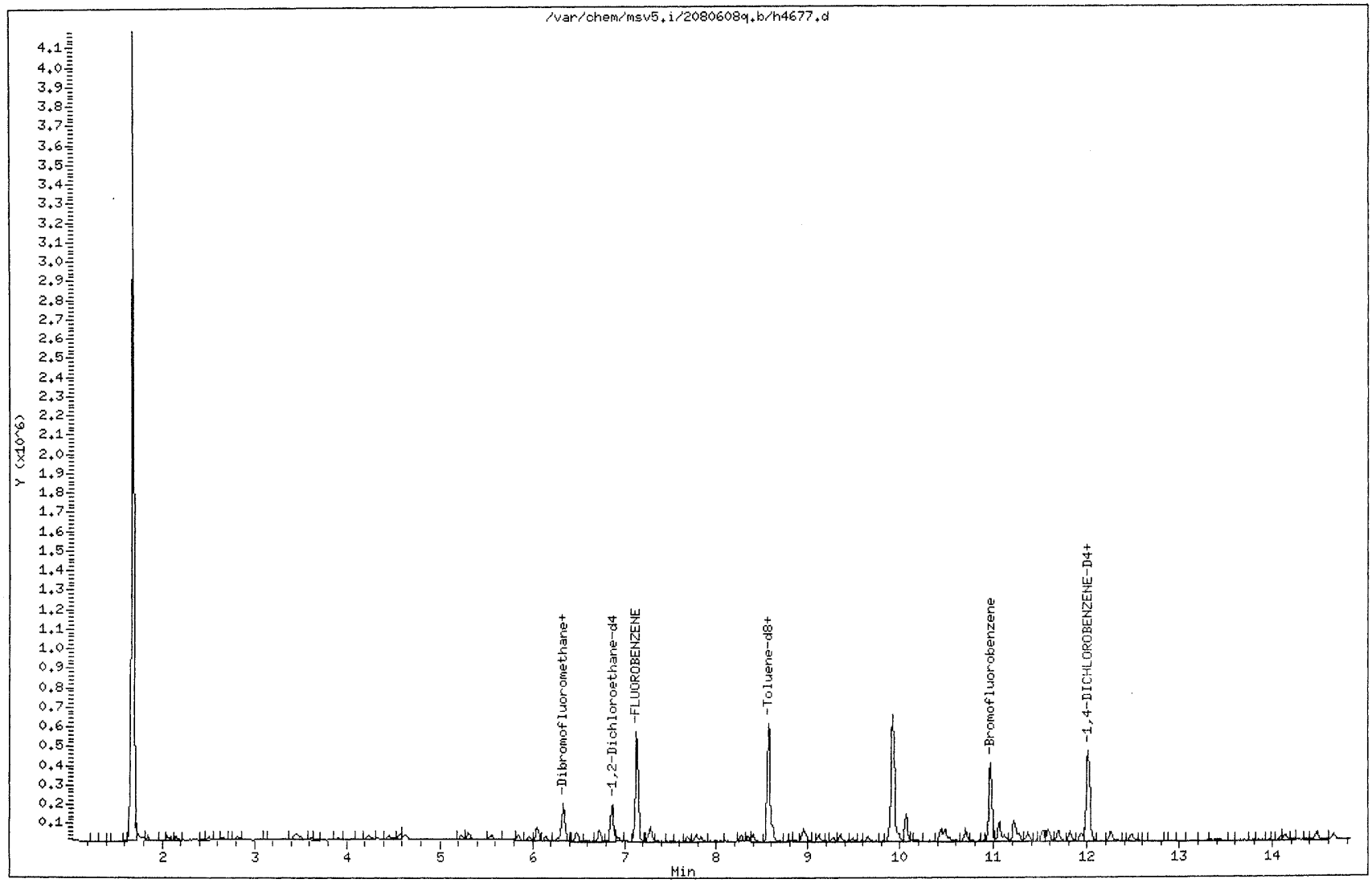
Purge Volume: 5.0

Column phase: DB-VRX-30M

Instrument: msv5.i

Operator: EGW

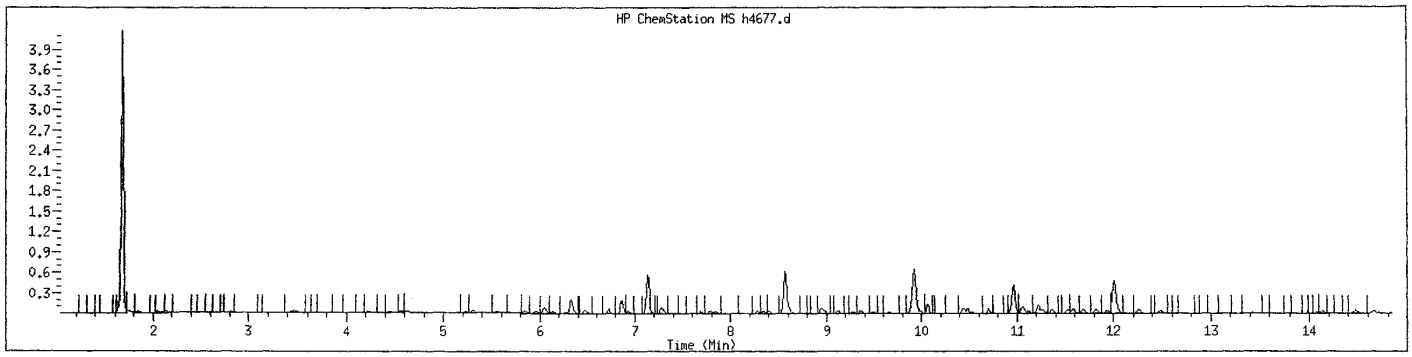
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080608q.b/h4677.d Page: 1
Report Date: 06/11/2008 12:45

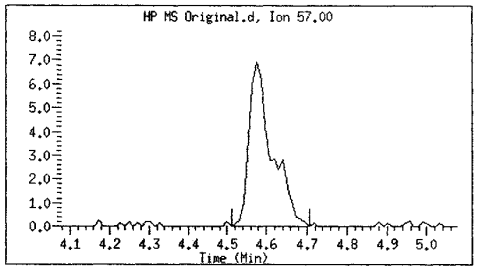
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1201	SampleType	: CALIB_1
Injection Date	: 06/08/2008 21:25	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 1201*V5STD005*6-23-8		
Misc Info	: MSV~13440~*1*JCK		
Method	: /var/chem/msv5.i/2080608q.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist:	8260b



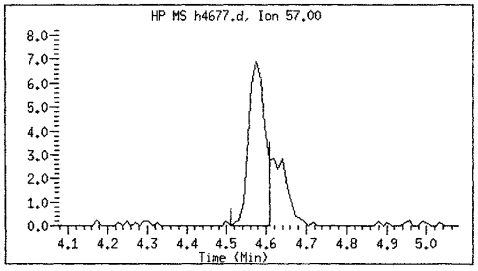
Original Final

21 Hexane CAS#: 110-54-3 Reason: M2



Electronic Signature Applied

User: root
Date: 06/09/2008 08:49



M2 - Target system integrated incorrectly

170415

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608q.b/h4678.d
Lab Smp Id: 1208 Client Smp ID: V5STD010
Inj Date : 08-JUN-2008 21:48
Operator : EGW Inst ID: msv5.i
Smp Info : 1208*V5STD010*6-23-8
Misc Info : MSV~13440~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Meth Date : 11-Jun-2008 12:45 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 13:56 Cal File: h4666.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	1.848	1.848	(0.259)	37351	10.0000	10.1	
2	Chloromethane ++	50	2.054	2.054	(0.288)	60053	10.0000	10.0	
3	Vinyl Chloride +	62	2.152	2.152	(0.302)	36311	10.0000	8.76	
5	Bromomethane	94	2.511	2.511	(0.352)	17502	10.0000	10.1	
8	Chloroethane	64	2.652	2.652	(0.372)	16721	10.0000	7.30	
9	Trichlorofluoromethane	101	2.815	2.815	(0.395)	26714	10.0000	9.58	
11	1,1-Dichloroethene +	96	3.446	3.446	(0.483)	21318	10.0000	10.6	
12	Carbon Disulfide	76	3.467	3.467	(0.486)	70288	10.0000	9.34	
13	1,1,2Trichlotrifluoroethane	101	3.500	3.500	(0.491)	20091	10.0000	10.1	
14	Methyl Iodide	142	3.620	3.620	(0.508)	27786	10.0000	8.68	
15	Acrolein	56	3.913	3.913	(0.549)	20504	50.0000	48.1	
17	Methylene Chloride	49	4.239	4.239	(0.594)	42063	10.0000	10.1	
18	Acetone	43	4.337	4.337	(0.608)	20562	10.0000	11.7	
19	trans-1,2-Dichloroethene	61	4.457	4.457	(0.625)	34794	10.0000	10.6	

170416

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	20	Methyl Acetate	43	4.511	4.511	(0.633)	35170	10.0000	10.8	4251
	21	Hexane	57	4.576	4.576	(0.642)	43181	10.0000	10.7	8394(M2)
	22	MTBE	73	4.631	4.631	(0.649)	65701	10.0000	10.6	8334
	27	1,1-Dichloroethane ++	63	5.228	5.228	(0.733)	46113	10.0000	9.48	
	29	Acrylonitrile	53	5.305	5.305	(0.744)	74014	50.0000	50.3	
	30	Vinyl Acetate	43	5.555	5.555	(0.779)	75955	10.0000	10.4	
M	61	Total 1,2-Dichloroethene	61				77542	20.0000	21.0	
	31	cis-1,2-Dichloroethene	61	5.848	5.848	(0.820)	42748	10.0000	10.4	
	32	2,2-Dichloropropane	77	5.968	5.968	(0.837)	32880	10.0000	9.74	
	34	Cyclohexane	56	6.055	6.055	(0.849)	58184	10.0000	9.84	9073
	33	Bromochloromethane	128	6.055	6.055	(0.849)	15537	10.0000	10.4	
	35	Chloroform +	83	6.142	6.142	(0.861)	49989	10.0000	10.3	
	36	Carbon Tetrachloride	117	6.283	6.283	(0.881)	23858	10.0000	10.1	
$	39	Dibromofluoromethane	111	6.337	6.337	(0.889)	150929	50.0000	50.0	7189
	40	1,1,1-Trichloroethane	97	6.348	6.348	(0.890)	30448	10.0000	10.3	
	42	2-Butanone	43	6.479	6.479	(0.909)	35526	10.0000	10.2	
	43	1,1-Dichloropropene	75	6.479	6.479	(0.909)	38264	10.0000	9.50	
	45	Benzene	78	6.729	6.729	(0.944)	117196	10.0000	9.63	
$	48	1,2-Dichloroethane-d4	67	6.870	6.870	(0.963)	84991	50.0000	50.7	
	49	1,2-Dichloroethane	62	6.924	6.924	(0.971)	35417	10.0000	9.43	
*	52	FLUOROBENZENE	96	7.131	7.131	(1.000)	560916	50.0000		
	53	Methyl Cyclohexane	83	7.283	7.283	(1.021)	47482	10.0000	10.1	9620
	54	Trichloroethene	130	7.294	7.294	(1.023)	26340	10.0000	9.60	
	57	Dibromomethane	93	7.685	7.685	(1.078)	21630	10.0000	9.69	
	59	1,2-Dichloropropane +	63	7.783	7.783	(1.091)	38700	10.0000	9.39	
	60	Bromodichloromethane	83	7.837	7.837	(1.099)	39212	10.0000	10.3	
	64	1-Bromo-2-chloroethane	63	8.272	8.272	(1.160)	67865	10.0000	9.20	9360
	65	2-Chloroethyl vinyl ether	63	8.348	8.348	(1.171)	31727	10.0000	10.2	
	66	cis-1,3-Dichloropropene	75	8.402	8.402	(1.178)	51013	10.0000	9.66	
M	6	1-3 Dichloropropene-Total	100				95510	20.0000	19.3	0
$	67	Toluene-d8	98	8.565	8.565	(0.863)	465989	50.0000	48.9	
	69	Toluene +	91	8.620	8.620	(0.869)	118661	10.0000	9.71	
	71	4-methyl-2-pentanone	43	8.945	8.945	(1.254)	56878	10.0000	9.67	
	72	Tetrachloroethene	164	8.956	8.956	(0.903)	17560	10.0000	9.60	
	73	trans-1,3-Dichloropropene	75	8.967	8.967	(0.904)	44497	10.0000	9.53	
	75	1,1,2-Trichloroethane	97	9.120	9.120	(0.919)	28405	10.0000	9.73	
	76	Dibromochloromethane	129	9.272	9.272	(0.934)	28760	10.0000	9.21	
	77	1,3-Dichloropropane	76	9.359	9.359	(0.943)	52744	10.0000	9.66	
	79	1,2-Dibromoethane(EDB)	107	9.489	9.489	(0.956)	30428	10.0000	9.36	
	80	2-Hexanone	43	9.652	9.652	(0.973)	44926	10.0000	9.87	
	82	1-Chlorohexane	91	9.891	9.891	(0.997)	41247	10.0000	9.13	7607
*	83	CHLOROBENZENE-d5	82	9.924	9.924	(1.000)	249567	50.0000		
	84	Chlorobenzene ++	112	9.935	9.935	(1.001)	71308	10.0000	9.43	
	85	Ethylbenzene +	106	9.945	9.945	(1.002)	37859	10.0000	9.82	
	86	1,1,1,2-Tetrachloroethane	133	9.989	9.989	(1.007)	23619	10.0000	9.67	
	87	p,m-Xylene	106	10.065	10.065	(1.014)	93303	20.0000	19.9	
	89	o-Xylene	106	10.435	10.435	(1.052)	45643	10.0000	9.49	

170417

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	90 Styrene	104	10.478	10.478	(1.056)	78219	10.0000	9.12	
	91 Bromoform ++	173	10.533	10.533	(1.061)	17875	10.0000	9.80	
	93 Isopropylbenzene	105	10.707	10.707	(1.079)	108302	10.0000	9.69	
$	94 Bromofluorobenzene	174	10.967	10.967	(1.105)	138277	50.0000	48.7	
	95 n-Propylbenzene	91	11.054	11.054	(0.920)	141601	10.0000	9.51	
	96 Bromobenzene	77	11.065	11.065	(0.921)	58410	10.0000	9.72	
	97 1,1,2,2-Tetrachloroethane++	83	11.120	11.120	(0.926)	48561	10.0000	10.4	
	98 2-Chlorotoluene	91	11.218	11.218	(0.934)	96418	10.0000	10.0	
	99 1,3,5-Trimethylbenzene	105	11.218	11.218	(0.934)	88971	10.0000	9.88	
	100 1,2,3-Trichloropropane	75	11.261	11.261	(0.938)	56113	10.0000	10.3	
	101 trans-1,4-Dichloro-2-Butene	53	11.272	11.272	(0.938)	14388	10.0000	10.1	
	103 4-Chlorotoluene	91	11.359	11.359	(0.946)	85957	10.0000	9.73	
M	124 TOTAL XYLENE	106				138946	30.0000	29.4	
	104 tert-butylbenzene	91	11.523	11.523	(0.959)	54601	10.0000	10.5	(M2)
	106 1,2,4-Trimethylbenzene	105	11.588	11.588	(0.965)	91772	10.0000	9.81	
	107 sec-Butylbenzene	105	11.686	11.686	(0.973)	116632	10.0000	9.99	
	108 p-Isopropyltoluene	119	11.816	11.816	(0.984)	88606	10.0000	9.50	
	110 1,3-Dichlorobenzene	146	11.936	11.936	(0.994)	47778	10.0000	9.95	
*	111 1,4-DICHLOROBENZENE-D4	152	12.012	12.012	(1.000)	177102	50.0000		
	112 1,4-Dichlorobenzene	146	12.023	12.023	(1.001)	51616	10.0000	9.41	
	115 n-Butylbenzene	91	12.251	12.251	(1.020)	93003	10.0000	9.84	
	116 1,2-Dichlorobenzene	146	12.480	12.480	(1.039)	46521	10.0000	9.88	
	120 1,2-Dibromo-3-Chloropropane	157	13.413	13.413	(1.117)	6418	10.0000	9.38	
	122 Hexachlorobutadiene	225	14.087	14.087	(1.173)	9116	10.0000	9.49	
	123 1,2,4-Trichlorobenzene	180	14.141	14.141	(1.177)	26561	10.0000	9.61	
	125 Naphthalene	128	14.478	14.478	(1.205)	84395	10.0000	9.39	
	126 1,2,3-Trichlorobenzene	180	14.663	14.663	(1.221)	23411	10.0000	8.57	

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

170418

Data File: /var/chem/msv5.i/2080608q.b/h4678.d

Date : 08-JUN-2008 21:48

Client ID: V5STD010

Sample Info: 1208*V5STD010*6-23-8

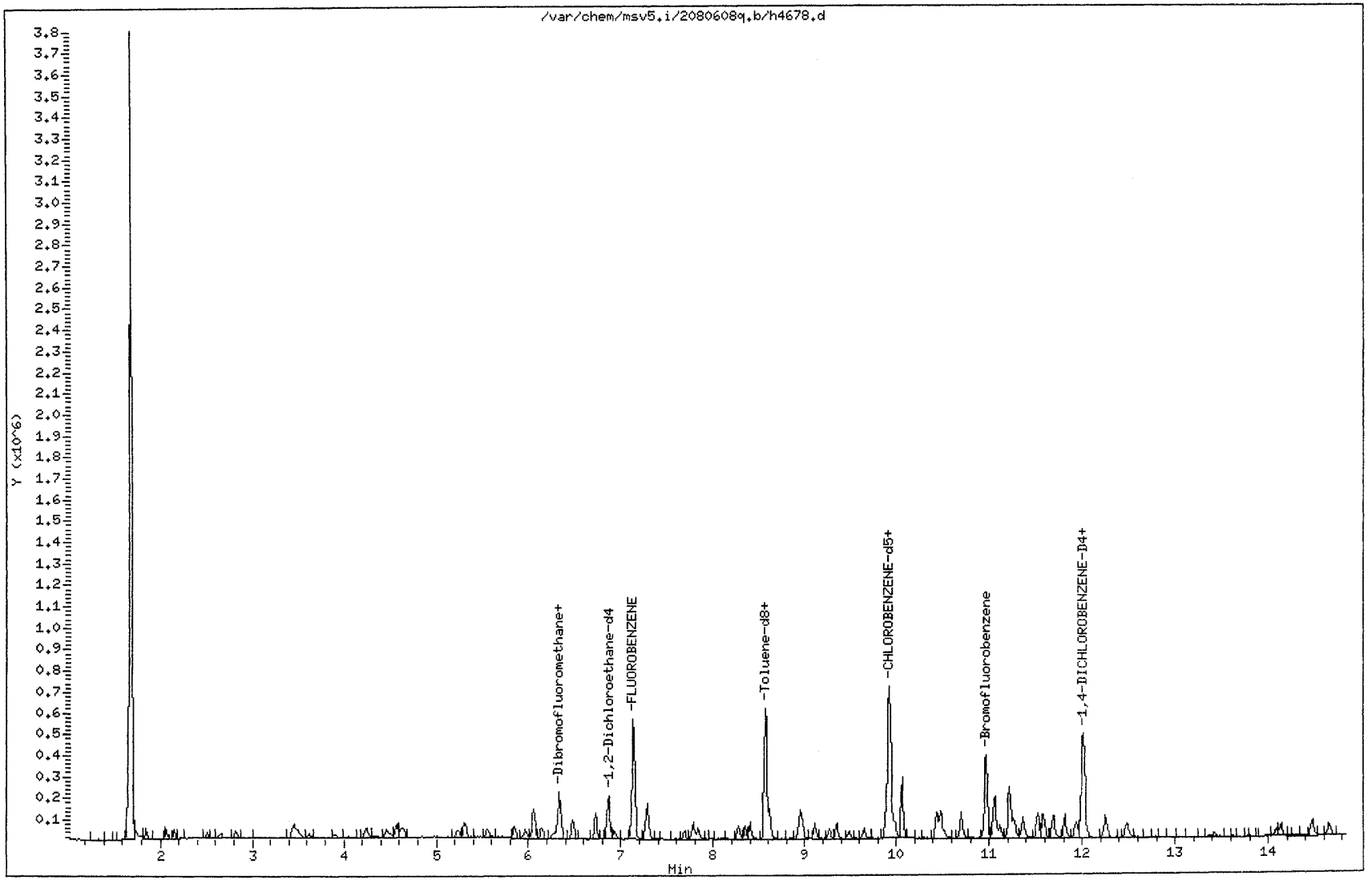
Purge Volume: 5.0

Column phase: DB-VRX-30M

Instrument: msv5.i

Operator: EGW

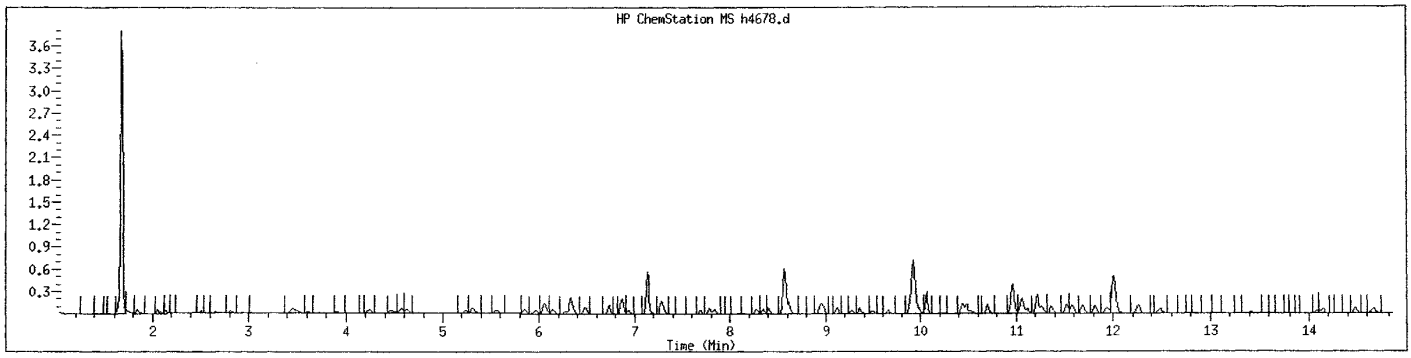
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080608q.b/h4678.d
Report Date: 06/11/2008 12:45

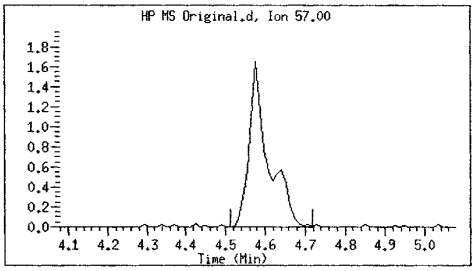
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1208	SampleType	: CALIB_8
Injection Date	: 06/08/2008 21:48	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 1208*V5STD010*6-23-8		
Misc Info	: MSV~13440~*1*JCK		
Method	: /var/chem/msv5.i/2080608q.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



Original Final

21 Hexane CAS#: 110-54-3 Reason: M2



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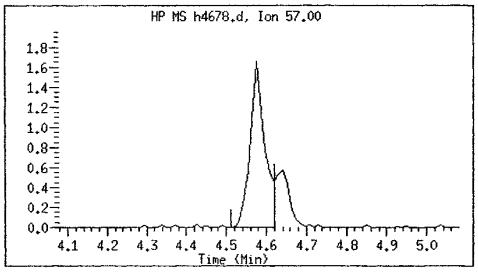
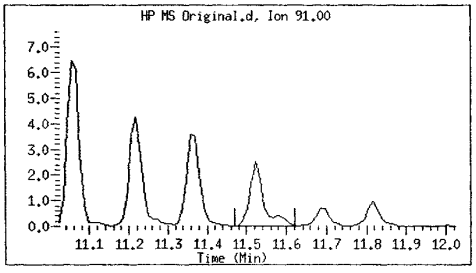
User: root
Date: 06/09/2008 08:48

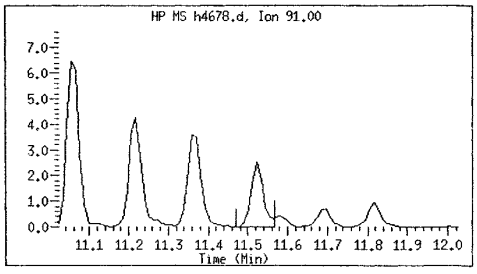


104 tert-butylbenzene CAS#: 98-06-6 Reason: M2



Electronic Signature Applied

User: root
Date: 06/09/2008 08:48



170420

M2 - Target system integrated incorrectly

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608q.b/h4679.d
Lab Smp Id: 1202 Client Smp ID: V5STD020
Inj Date : 08-JUN-2008 22:11
Operator : EGW Inst ID: msv5.i
Smp Info : 1202*V5STD020*6-23-8
Misc Info : MSV~13440~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Meth Date : 11-Jun-2008 12:45 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 15:23 Cal File: h4667.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/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	1.848	1.848	(0.259)	66887	20.0000	18.2	
2 Chloromethane ++	50	2.054	2.054	(0.288)	116964	20.0000	19.7	
3 Vinyl Chloride +	62	2.141	2.141	(0.300)	80021	20.0000	19.4	
5 Bromomethane	94	2.511	2.511	(0.352)	32175	20.0000	17.7	
8 Chloroethane	64	2.652	2.652	(0.372)	35761	20.0000	19.4	
9 Trichlorofluoromethane	101	2.815	2.815	(0.395)	54548	20.0000	20.3	
11 1,1-Dichloroethene +	96	3.446	3.446	(0.483)	36489	20.0000	18.2	
12 Carbon Disulfide	76	3.467	3.467	(0.486)	143760	20.0000	19.2	
13 1,1,2Trichlotrifluoroethane	101	3.500	3.500	(0.491)	38043	20.0000	19.0	
14 Methyl Iodide	142	3.620	3.620	(0.508)	55936	20.0000	18.6	
15 Acrolein	56	3.902	3.902	(0.547)	43141	100.000	102	
17 Methylene Chloride	49	4.239	4.239	(0.594)	80901	20.0000	19.5	
18 Acetone	43	4.326	4.326	(0.607)	28926	20.0000	17.7	
19 trans-1,2-Dichloroethene	61	4.457	4.457	(0.625)	66561	20.0000	20.1	

170422

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	20 Methyl Acetate	43	4.511	4.511	(0.633)	63900	20.0000	19.7	4359
	21 Hexane	57	4.576	4.576	(0.642)	75604	20.0000	18.8	9043(M2)
	22 MTBE	73	4.631	4.631	(0.649)	121150	20.0000	20.0	8530
	27 1,1-Dichloroethane ++	63	5.240	5.240	(0.735)	84546	20.0000	17.5	
	29 Acrylonitrile	53	5.316	5.316	(0.745)	143181	100.000	97.7	
	30 Vinyl Acetate	43	5.555	5.555	(0.779)	138790	20.0000	20.3	
M	61 Total 1,2-Dichloroethene	61				139854	40.0000	38.1	
	31 cis-1,2-Dichloroethene	61	5.848	5.848	(0.820)	73293	20.0000	18.0	
	32 2,2-Dichloropropane	77	5.968	5.968	(0.837)	67746	20.0000	21.3	
	34 Cyclohexane	56	6.055	6.055	(0.849)	110072	20.0000	18.7	9226
	33 Bromochloromethane	128	6.055	6.055	(0.849)	28829	20.0000	19.4	
	35 Chloroform +	83	6.142	6.142	(0.861)	90261	20.0000	18.7	
	36 Carbon Tetrachloride	117	6.273	6.273	(0.880)	41838	20.0000	17.9	
$	39 Dibromofluoromethane	111	6.327	6.327	(0.887)	150506	50.0000	50.1	7212
	40 1,1,1-Trichloroethane	97	6.349	6.349	(0.890)	57702	20.0000	19.5	
	42 2-Butanone	43	6.479	6.479	(0.909)	62834	20.0000	19.6	
	43 1,1-Dichloropropene	75	6.479	6.479	(0.909)	74228	20.0000	18.5	
	45 Benzene	78	6.729	6.729	(0.944)	230826	20.0000	19.7	
$	48 1,2-Dichloroethane-d4	67	6.871	6.871	(0.963)	85887	50.0000	51.5	
	49 1,2-Dichloroethane	62	6.925	6.925	(0.971)	68747	20.0000	18.4	
*	52 FLUOROBENZENE	96	7.132	7.132	(1.000)	557887	50.0000		
	53 Methyl Cyclohexane	83	7.284	7.284	(1.021)	91916	20.0000	20.0	9517
	54 Trichloroethene	130	7.295	7.295	(1.023)	54102	20.0000	19.8	
	57 Dibromomethane	93	7.686	7.686	(1.078)	41582	20.0000	18.7	
	59 1,2-Dichloropropane +	63	7.784	7.784	(1.091)	74703	20.0000	18.2	
	60 Bromodichloromethane	83	7.838	7.838	(1.099)	76200	20.0000	19.8	
	64 1-Bromo-2-chloroethane	63	8.273	8.273	(1.160)	139639	20.0000	19.0	9409
	65 2-Chloroethyl vinyl ether	63	8.349	8.349	(1.171)	60239	20.0000	19.4	
	66 cis-1,3-Dichloropropene	75	8.403	8.403	(1.178)	102459	20.0000	19.5	
M	6 1-3 Dichloropropene-Total	100				192025	40.0000	39.0	0
$	67 Toluene-d8	98	8.566	8.566	(0.864)	483208	50.0000	51.2	
	69 Toluene +	91	8.610	8.610	(0.868)	231935	20.0000	19.8	
	71 4-methyl-2-pentanone	43	8.947	8.947	(1.255)	112302	20.0000	19.2	
	72 Tetrachloroethene	164	8.958	8.958	(0.903)	39233	20.0000	21.7	
	73 trans-1,3-Dichloropropene	75	8.969	8.969	(0.905)	89566	20.0000	19.4	
	75 1,1,2-Trichloroethane	97	9.110	9.110	(0.919)	53172	20.0000	18.4	
	76 Dibromochloromethane	129	9.273	9.273	(0.935)	56159	20.0000	18.2	
	77 1,3-Dichloropropane	76	9.349	9.349	(0.943)	98421	20.0000	18.2	
	79 1,2-Dibromoethane(EDB)	107	9.491	9.491	(0.957)	65093	20.0000	20.2	
	80 2-Hexanone	43	9.654	9.654	(0.974)	85636	20.0000	19.0	
	82 1-Chlorohexane	91	9.893	9.893	(0.998)	85962	20.0000	19.2	8279
*	83 CHLOROBENZENE-d5	82	9.914	9.914	(1.000)	246949	50.0000		
	84 Chlorobenzene ++	112	9.936	9.936	(1.002)	139125	20.0000	18.6	
	85 Ethylbenzene +	106	9.947	9.947	(1.003)	73896	20.0000	19.7	
	86 1,1,1,2-Tetrachloroethane	133	9.980	9.980	(1.007)	44022	20.0000	18.2	
	87 p,m-Xylene	106	10.067	10.067	(1.015)	178402	40.0000	38.5	
	89 o-Xylene	106	10.437	10.437	(1.053)	92629	20.0000	19.5	

170423

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
90	Styrene	104	10.480	10.480	(1.057)	161938	20.0000	19.1	
91	Bromoform ++	173	10.524	10.524	(1.061)	37554	20.0000	20.8	
93	Isopropylbenzene	105	10.698	10.698	(1.079)	209131	20.0000	18.9	
$ 94	Bromofluorobenzene	174	10.959	10.959	(1.105)	143709	50.0000	51.1	
95	n-Propylbenzene	91	11.057	11.057	(0.921)	291366	20.0000	19.9	
96	Bromobenzene	77	11.068	11.068	(0.922)	115727	20.0000	19.6	
97	1,1,2,2-Tetrachloroethane++	83	11.111	11.111	(0.926)	85836	20.0000	18.8	
98	2-Chlorotoluene	91	11.220	11.220	(0.935)	183755	20.0000	19.5	
99	1,3,5-Trimethylbenzene	105	11.220	11.220	(0.935)	180051	20.0000	20.3	
100	1,2,3-Trichloropropane	75	11.253	11.253	(0.937)	112456	20.0000	21.0	
101	trans-1,4-Dichloro-2-Butene	53	11.275	11.275	(0.939)	28445	20.0000	20.3	
103	4-Chlorotoluene	91	11.362	11.362	(0.946)	169215	20.0000	19.5	
M 124	TOTAL XYLENE	106				271031	60.0000	58.0	
104	tert-butylbenzene	91	11.525	11.525	(0.960)	99096	20.0000	19.3	
106	1,2,4-Trimethylbenzene	105	11.580	11.580	(0.965)	183299	20.0000	19.9	
107	sec-Butylbenzene	105	11.688	11.688	(0.974)	235161	20.0000	20.5	
108	p-Isopropyltoluene	119	11.819	11.819	(0.985)	176252	20.0000	19.2	
110	1,3-Dichlorobenzene	146	11.939	11.939	(0.995)	97740	20.0000	20.7	
* 111	1,4-DICHLOROBENZENE-D4	152	12.004	12.004	(1.000)	173952	50.0000		
112	1,4-Dichlorobenzene	146	12.026	12.026	(1.002)	107704	20.0000	20.0	
115	n-Butylbenzene	91	12.254	12.254	(1.021)	186013	20.0000	20.0	
116	1,2-Dichlorobenzene	146	12.483	12.483	(1.040)	92704	20.0000	20.0	
120	1,2-Dibromo-3-Chloropropane	157	13.427	13.427	(1.119)	12824	20.0000	18.5	
122	Hexachlorobutadiene	225	14.090	14.090	(1.174)	18571	20.0000	19.7	
123	1,2,4-Trichlorobenzene	180	14.134	14.134	(1.177)	51351	20.0000	18.9	
125	Naphthalene	128	14.471	14.471	(1.205)	175732	20.0000	19.9	
126	1,2,3-Trichlorobenzene	180	14.656	14.656	(1.221)	47696	20.0000	17.8	

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

170424

Data File: /var/chem/msv5.i/2080608q.b/h4679.d

Date : 08-JUN-2008 22:11

Client ID: V5STD020

Instrument: msv5.i

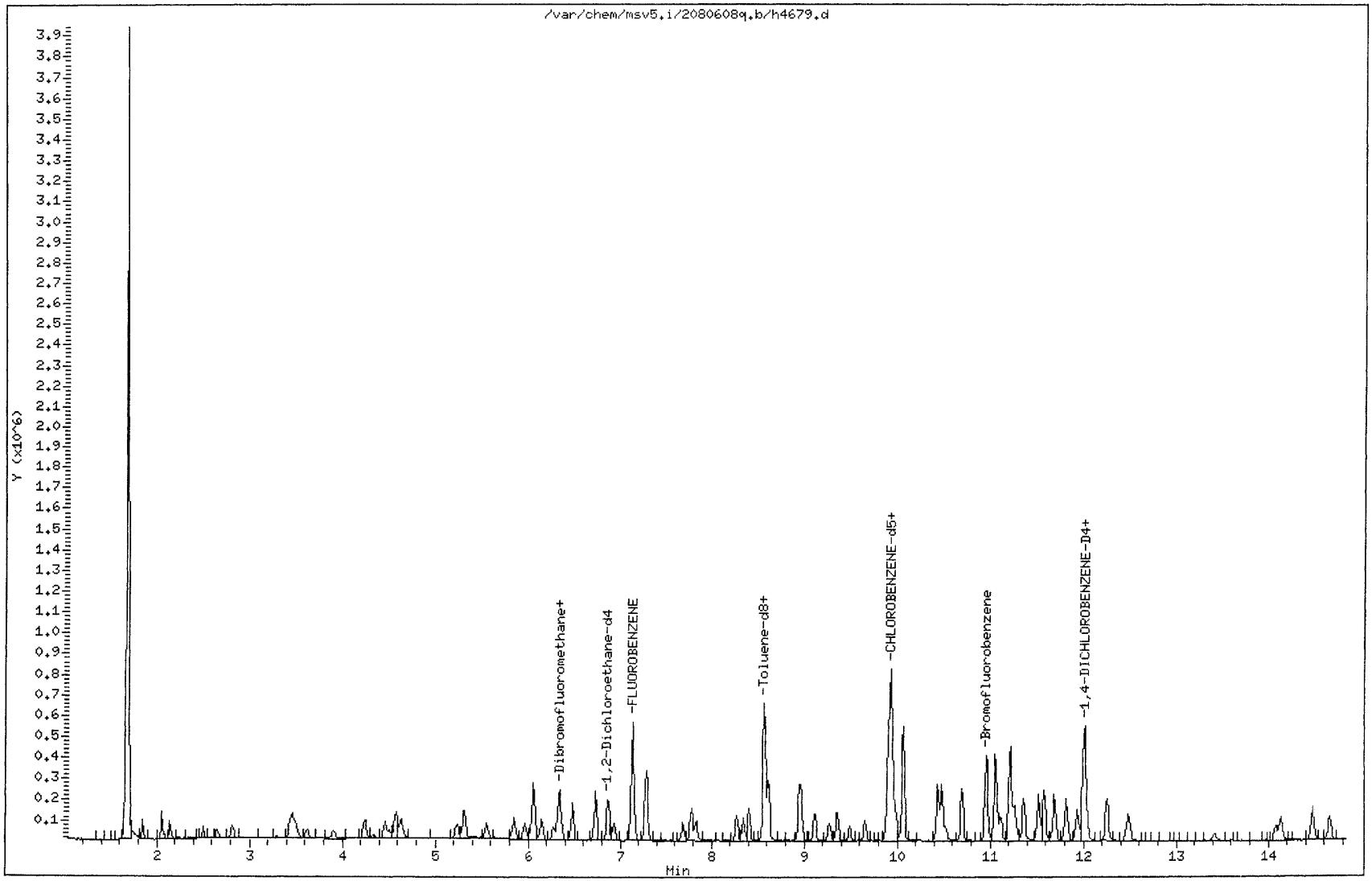
Sample Info: 1202*V5STD020*6-23-8

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-30M

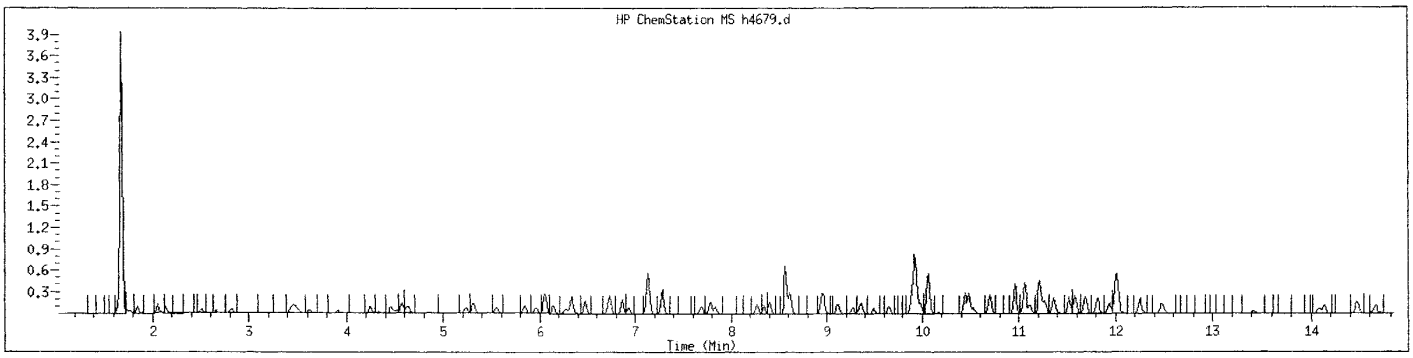
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080608q.b/h4679.d
Report Date: 06/11/2008 12:45

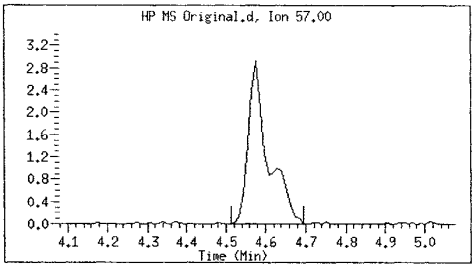
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1202	SampleType	: CALIB_2
Injection Date	: 06/08/2008 22:11	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 1202*V5STD020*6-23-8		
Misc Info	: MSV~13440~*1*JCK		
Method	: /var/chem/msv5.i/2080608q.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



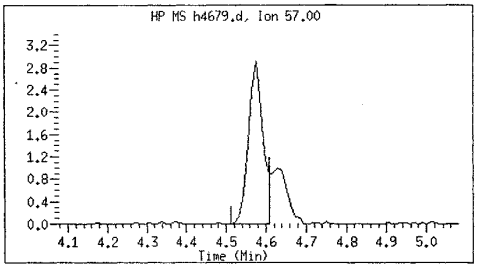
Original Final

21 Hexane CAS#: 110-54-3 Reason: M2



Electronic Signature Applied

User: root
Date: 06/09/2008 08:47



M2 - Target system integrated incorrectly

170426

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608q.b/h4680.d
Lab Smp Id: 1203 Client Smp ID: V5STD050
Inj Date : 08-JUN-2008 22:33
Operator : EGW Inst ID: msv5.i
Smp Info : 1203*V5STD050*6-23-8
Misc Info : MSV~13440~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Meth Date : 11-Jun-2008 12:45 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 15:56 Cal File: h4668.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/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	1.848	1.848	(0.259)	178360	50.0000	48.2	
2 Chloromethane ++	50	2.054	2.054	(0.288)	287748	50.0000	48.0	
3 Vinyl Chloride +	62	2.141	2.141	(0.300)	204917	50.0000	49.3	
5 Bromomethane	94	2.511	2.511	(0.352)	96164	50.0000	50.0	
8 Chloroethane	64	2.652	2.652	(0.372)	97349	50.0000	57.9	
9 Trichlorofluoromethane	101	2.815	2.815	(0.395)	138603	50.0000	51.9	
11 1,1-Dichloroethene +	96	3.446	3.446	(0.483)	105988	50.0000	52.4	
12 Carbon Disulfide	76	3.468	3.468	(0.486)	359087	50.0000	47.5	
13 1,1,2Trichlotrifluoroethane	101	3.500	3.500	(0.491)	99707	50.0000	49.0	
14 Methyl Iodide	142	3.620	3.620	(0.508)	155690	50.0000	53.2	
15 Acrolein	56	3.903	3.903	(0.547)	102723	250.000	240	
17 Methylene Chloride	49	4.240	4.240	(0.594)	202046	50.0000	48.2	
18 Acetone	43	4.338	4.338	(0.608)	76666	50.0000	51.5	
19 trans-1,2-Dichloroethene	61	4.457	4.457	(0.625)	165280	50.0000	49.1	

170427

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	20 Methyl Acetate	43	4.512	4.512	(0.633)	163298	50.0000	50.0	4422
	21 Hexane	57	4.577	4.577	(0.642)	198420	50.0000	49.0	9229(M2)
	22 MTBE	73	4.631	4.631	(0.649)	313219	50.0000	51.9	9089
	27 1,1-Dichloroethane ++	63	5.240	5.240	(0.735)	229367	50.0000	47.0	
	29 Acrylonitrile	53	5.306	5.306	(0.744)	349131	250.000	236	
	30 Vinyl Acetate	43	5.556	5.556	(0.779)	321726	50.0000	49.7	
M	61 Total 1,2-Dichloroethene	61				382824	100.000	102	
	31 cis-1,2-Dichloroethene	61	5.849	5.849	(0.820)	217544	50.0000	52.8	
	32 2,2-Dichloropropane	77	5.969	5.969	(0.837)	164380	50.0000	52.6	
	34 Cyclohexane	56	6.056	6.056	(0.849)	292975	50.0000	49.4	9284
	33 Bromochloromethane	128	6.056	6.056	(0.849)	76603	50.0000	51.1	
	35 Chloroform +	83	6.143	6.143	(0.861)	235214	50.0000	48.4	
	36 Carbon Tetrachloride	117	6.274	6.274	(0.880)	121483	50.0000	51.5	
$	39 Dibromofluoromethane	111	6.328	6.328	(0.887)	144394	50.0000	47.7	8649
	40 1,1,1-Trichloroethane	97	6.350	6.350	(0.890)	149186	50.0000	49.9	
	42 2-Butanone	43	6.480	6.480	(0.909)	159157	50.0000	52.2	
	43 1,1-Dichloropropene	75	6.480	6.480	(0.909)	192890	50.0000	47.7	
	45 Benzene	78	6.730	6.730	(0.944)	598329	50.0000	51.8	
$	48 1,2-Dichloroethane-d4	67	6.861	6.861	(0.962)	79994	50.0000	47.6	
	49 1,2-Dichloroethane	62	6.926	6.926	(0.971)	180015	50.0000	47.8	
*	52 FLUOROBENZENE	96	7.133	7.133	(1.000)	562797	50.0000		
	53 Methyl Cyclohexane	83	7.285	7.285	(1.021)	233239	50.0000	50.7	9679
	54 Trichloroethene	130	7.285	7.285	(1.021)	138188	50.0000	50.0	
	57 Dibromomethane	93	7.687	7.687	(1.078)	114643	50.0000	51.1	
	59 1,2-Dichloropropane +	63	7.785	7.785	(1.091)	193739	50.0000	46.8	
	60 Bromodichloromethane	83	7.840	7.840	(1.099)	191366	50.0000	48.7	
	64 1-Bromo-2-chloroethane	63	8.274	8.274	(1.160)	352691	50.0000	47.7	9503
	65 2-Chloroethyl vinyl ether	63	8.340	8.340	(1.169)	154085	50.0000	49.3	
	66 cis-1,3-Dichloropropene	75	8.405	8.405	(1.178)	266949	50.0000	50.4	
M	6 1-3 Dichloropropene-Total	100				495170	100.000	99.7	0
$	67 Toluene-d8	98	8.568	8.568	(0.864)	445346	50.0000	47.3	
	69 Toluene +	91	8.612	8.612	(0.868)	600508	50.0000	52.4	
	71 4-methyl-2-pentanone	43	8.938	8.938	(1.253)	302144	50.0000	51.2	
	72 Tetrachloroethene	164	8.949	8.949	(0.902)	93618	50.0000	51.9	
	73 trans-1,3-Dichloropropene	75	8.971	8.971	(0.905)	228221	50.0000	49.5	
	75 1,1,2-Trichloroethane	97	9.112	9.112	(0.919)	141439	50.0000	49.1	
	76 Dibromochloromethane	129	9.275	9.275	(0.935)	154759	50.0000	50.2	
	77 1,3-Dichloropropane	76	9.352	9.352	(0.943)	269158	50.0000	50.0	
	79 1,2-Dibromoethane(EDB)	107	9.493	9.493	(0.957)	158631	50.0000	49.4	
	80 2-Hexanone	43	9.656	9.656	(0.974)	221279	50.0000	49.2	
	82 1-Chlorohexane	91	9.895	9.895	(0.998)	247290	50.0000	55.5	9007
*	83 CHLOROBENZENE-d5	82	9.917	9.917	(1.000)	246323	50.0000		
	84 Chlorobenzene ++	112	9.939	9.939	(1.002)	361042	50.0000	48.4	
	85 Ethylbenzene +	106	9.939	9.939	(1.002)	196597	50.0000	53.2	
	86 1,1,1,2-Tetrachloroethane	133	9.983	9.983	(1.007)	110049	50.0000	45.6	
	87 p,m-Xylene	106	10.070	10.070	(1.015)	460994	100.000	99.8	
	89 o-Xylene	106	10.440	10.440	(1.053)	233153	50.0000	49.1	

170428

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	90 Styrene	104	10.483	10.483	(1.057)	422924	50.0000	50.0	
	91 Bromoform ++	173	10.527	10.527	(1.061)	95556	50.0000	53.1	
	93 Isopropylbenzene	105	10.701	10.701	(1.079)	542771	50.0000	49.2	
$	94 Bromofluorobenzene	174	10.962	10.962	(1.105)	133051	50.0000	47.5	
	95 n-Propylbenzene	91	11.060	11.060	(0.921)	772229	50.0000	51.4	
	96 Bromobenzene	77	11.060	11.060	(0.921)	309439	50.0000	51.0	
	97 1,1,2,2-Tetrachloroethane++	83	11.115	11.115	(0.926)	234893	50.0000	50.0	
	98 2-Chlorotoluene	91	11.213	11.213	(0.934)	469196	50.0000	48.4	
	99 1,3,5-Trimethylbenzene	105	11.213	11.213	(0.934)	467583	50.0000	51.4	
	100 1,2,3-Trichloropropane	75	11.267	11.267	(0.938)	292836	50.0000	53.1	
	101 trans-1,4-Dichloro-2-Butene	53	11.267	11.267	(0.938)	76157	50.0000	52.7	
	103 4-Chlorotoluene	91	11.366	11.366	(0.946)	437662	50.0000	49.1	
M	124 TOTAL XYLENE	106				694147	150.000	149	
	104 tert-butylbenzene	91	11.518	11.518	(0.959)	269940	50.0000	51.2	
	106 1,2,4-Trimethylbenzene	105	11.583	11.583	(0.965)	471851	50.0000	49.9	
	107 sec-Butylbenzene	105	11.692	11.692	(0.974)	604790	50.0000	51.3	
	108 p-Isopropyltoluene	119	11.812	11.812	(0.984)	485671	50.0000	51.6	
	110 1,3-Dichlorobenzene	146	11.943	11.943	(0.995)	252304	50.0000	52.0	
*	111 1,4-DICHLOROBENZENE-D4	152	12.008	12.008	(1.000)	178818	50.0000		
	112 1,4-Dichlorobenzene	146	12.019	12.019	(1.001)	281903	50.0000	50.9	
	115 n-Butylbenzene	91	12.248	12.248	(1.020)	502082	50.0000	52.6	
	116 1,2-Dichlorobenzene	146	12.487	12.487	(1.040)	247600	50.0000	52.1	
	120 1,2-Dibromo-3-Chloropropane	157	13.421	13.421	(1.118)	39237	50.0000	53.9	
	122 Hexachlorobutadiene	225	14.084	14.084	(1.173)	51791	50.0000	53.4	
	123 1,2,4-Trichlorobenzene	180	14.139	14.139	(1.177)	146105	50.0000	52.4	
	125 Naphthalene	128	14.476	14.476	(1.206)	488234	50.0000	53.8	
	126 1,2,3-Trichlorobenzene	180	14.650	14.650	(1.220)	136667	50.0000	49.5	

QC Flag Legend

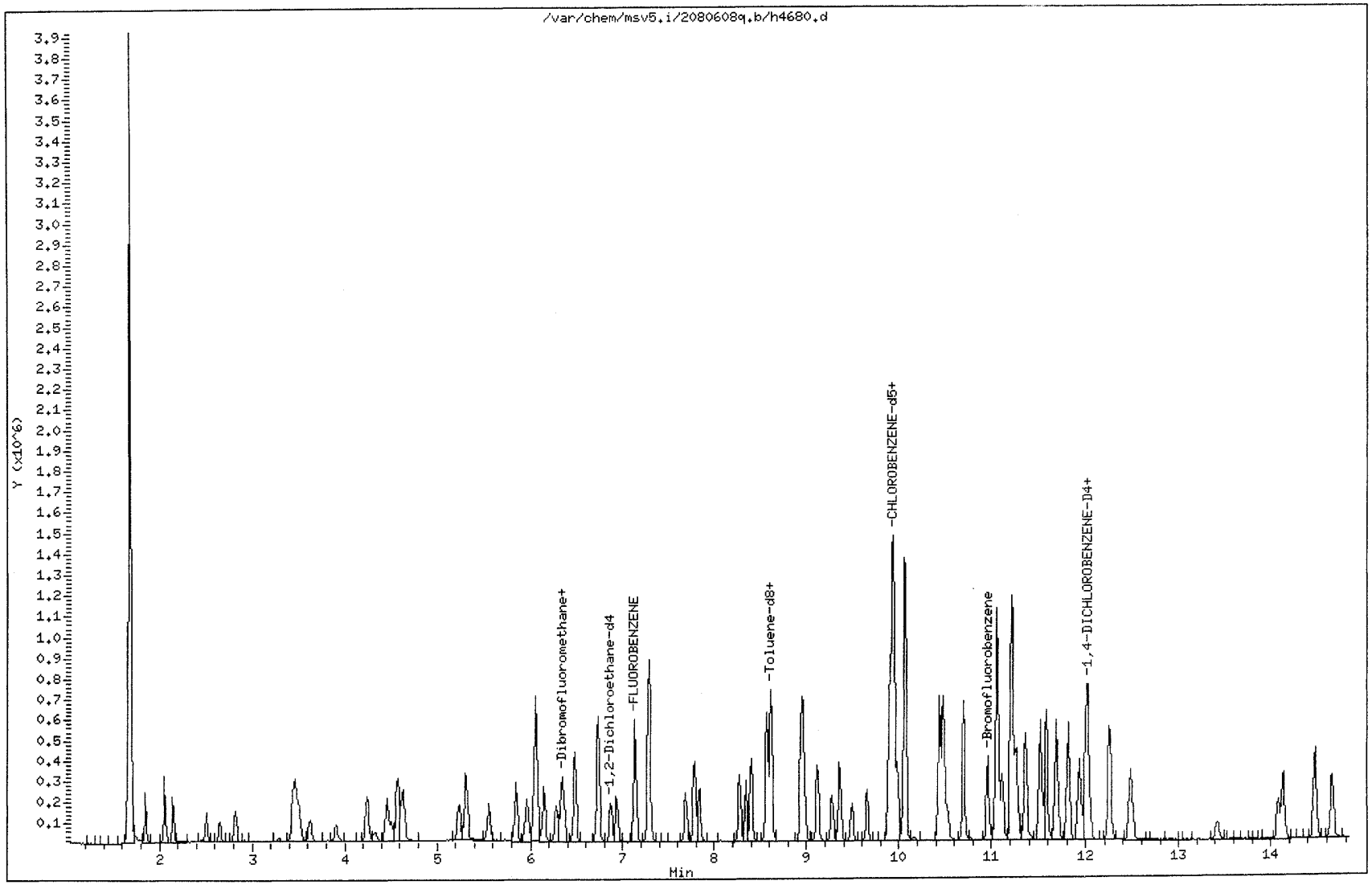
M2- Compound response manually integrated because
Target system integrated incorrectly.

170429

Data File: /var/chem/msv5.i/2080608q.b/h4680.d
Date : 08-JUN-2008 22:33
Client ID: V5STD050
Sample Info: 1203*V5STD050*6-23-8
Purge Volume: 5.0
Column phase: DB-VRX-30M

Instrument: msv5.i

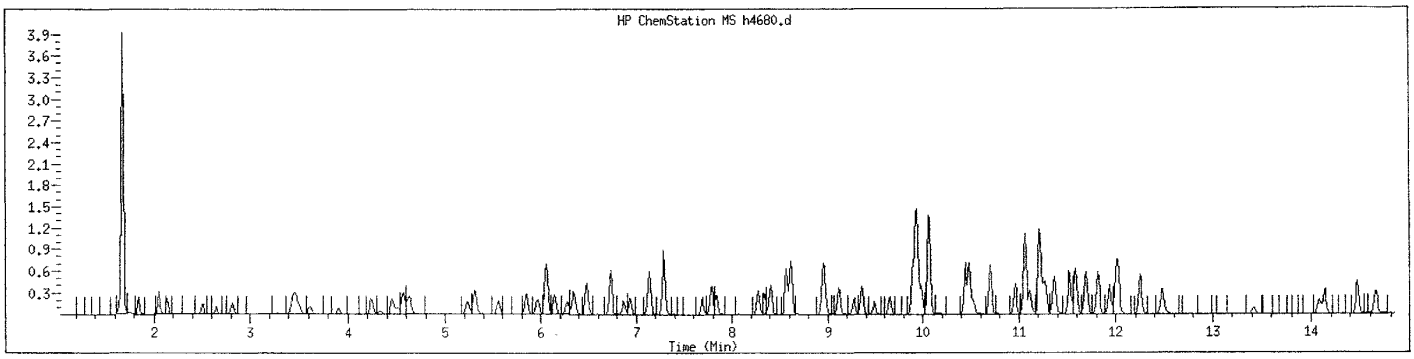
Operator: EGW
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080608q.b/h4680.d
Report Date: 06/11/2008 12:45

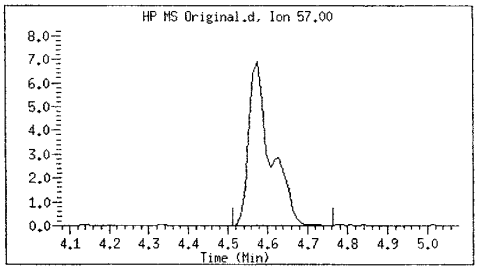
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 06/08/2008 22:33	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 1203*V5STD050*6-23-8		
Misc Info	: MSV~13440~*1*JCK		
Method	: /var/chem/msv5.i/2080608q.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



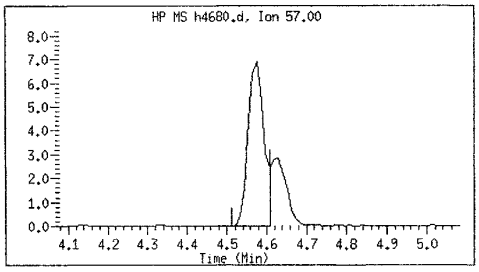
Original Final

21 Hexane CAS#: 110-54-3 Reason: M2



Electronic Signature Applied

User: root
Date: 06/09/2008 08:47



M2 - Target system integrated incorrectly

170431

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608q.b/h4681.d
Lab Smp Id: 1204 Client Smp ID: V5STD100
Inj Date : 08-JUN-2008 22:56
Operator : EGW Inst ID: msv5.i
Smp Info : 1204*V5STD100*6-23-8
Misc Info : MSV~13440~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Meth Date : 11-Jun-2008 12:45 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 16:25 Cal File: h4669.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/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	1.848	1.848	(1.000)	341953	100.000	93.4	
2 Chloromethane ++	50	2.054	2.054	(1.000)	548991	100.000	92.5	
3 Vinyl Chloride +	62	2.141	2.141	(1.000)	400390	100.000	97.3	
5 Bromomethane	94	2.511	2.511	(1.000)	190253	100.000	98.8	
8 Chloroethane	64	2.652	2.652	(1.000)	172394	100.000	106	
9 Trichlorofluoromethane	101	2.815	2.815	(1.000)	266389	100.000	101	
11 1,1-Dichloroethene +	96	3.435	3.435	(1.000)	190066	100.000	95.0	
12 Carbon Disulfide	76	3.468	3.468	(1.000)	719783	100.000	96.3	
13 1,1,2Trichlotrifluoroethane	101	3.501	3.501	(1.000)	205691	100.000	102	
14 Methyl Iodide	142	3.620	3.620	(1.000)	300677	100.000	105	
15 Acrolein	56	3.903	3.903	(1.000)	213567	500.000	504	
17 Methylene Chloride	49	4.240	4.240	(1.000)	380465	100.000	91.8	
18 Acetone	43	4.327	4.327	(1.000)	144651	100.000	101	
19 trans 1,2-Dichloroethene	61	4.458	4.458	(1.000)	323235	100.000	96.8	

170432

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	20 Methyl Acetate	43	4.512	4.512	(1.000)	294205	100.000	91.0	4427
	21 Hexane	57	4.578	4.578	(1.000)	356615	100.000	89.0	9305 (M1)
	22 MTBE	73	4.632	4.632	(1.000)	586326	100.000	98.6	9031
	27 1,1-Dichloroethane ++	63	5.230	5.230	(1.000)	429557	100.000	88.9	
	29 Acrylonitrile	53	5.306	5.306	(1.000)	695397	500.000	475	
	30 Vinyl Acetate	43	5.556	5.556	(1.000)	605318	100.000	100	
M	61 Total 1,2-Dichloroethene	61				723171	200.000	195	
	31 cis-1,2-Dichloroethene	61	5.850	5.850	(1.000)	399936	100.000	98.0	
	32 2,2-Dichloropropane	77	5.959	5.959	(1.000)	302433	100.000	98.6	
	34 Cyclohexane	56	6.057	6.057	(1.000)	567708	100.000	96.7	9195
	33 Bromochloromethane	128	6.057	6.057	(1.000)	133883	100.000	90.2	
	35 Chloroform +	83	6.144	6.144	(1.000)	446396	100.000	92.7	
	36 Carbon Tetrachloride	117	6.275	6.275	(1.000)	232532	100.000	99.8	
$	39 Dibromofluoromethane	111	6.329	6.329	(1.000)	145256	50.0000	48.5	9341
	40 1,1,1-Trichloroethane	97	6.351	6.351	(1.000)	295337	100.000	99.8	
	42 2-Butanone	43	6.482	6.482	(1.000)	296139	100.000	99.9	
	43 1,1-Dichloropropene	75	6.482	6.482	(1.000)	376850	100.000	94.2	
	45 Benzene	78	6.732	6.732	(1.000)	1162431	100.000	102	
$	48 1,2-Dichloroethane-d4	67	6.862	6.862	(1.000)	83786	50.0000	50.3	
	49 1,2-Dichloroethane	62	6.928	6.928	(1.000)	343695	100.000	92.2	
*	52 FLUOROBENZENE	96	7.134	7.134	(1.000)	557005	50.0000		(M1)
	53 Methyl Cyclohexane	83	7.276	7.276	(1.000)	456187	100.000	100	8967
	54 Trichloroethene	130	7.287	7.287	(1.000)	278780	100.000	102	
	57 Dibromomethane	93	7.689	7.689	(1.000)	226271	100.000	102	
	59 1,2-Dichloropropane +	63	7.787	7.787	(1.000)	378143	100.000	92.4	
	60 Bromodichloromethane	83	7.830	7.830	(1.000)	388139	100.000	99.5	
	64 1-Bromo-2-chloroethane	63	8.276	8.276	(1.000)	681798	100.000	93.1	9518
	65 2-Chloroethyl vinyl ether	63	8.342	8.342	(1.000)	323317	100.000	105	
	66 cis-1,3-Dichloropropene	75	8.407	8.407	(1.000)	523581	100.000	99.8	
M	6 1-3 Dichloropropene-Total	100				972222	200.000	198	0
$	67 Toluene-d8	98	8.570	8.570	(0.864)	477462	50.0000	49.4	
	69 Toluene +	91	8.614	8.614	(0.868)	1189607	100.000	102	
	71 4-methyl-2-pentanone	43	8.940	8.940	(1.000)	585815	100.000	100	
	72 Tetrachloroethene	164	8.951	8.951	(0.902)	179017	100.000	96.5	
	73 trans-1,3-Dichloropropene	75	8.973	8.973	(0.905)	448641	100.000	94.8	
	75 1,1,2-Trichloroethane	97	9.114	9.114	(0.919)	280075	100.000	94.6	
	76 Dibromochloromethane	129	9.278	9.278	(0.935)	295865	100.000	93.5	
	77 1,3-Dichloropropane	76	9.354	9.354	(0.943)	515506	100.000	93.1	
	79 1,2-Dibromoethane (EDB)	107	9.496	9.496	(0.957)	313197	100.000	94.9	
	80 2-Hexanone	43	9.648	9.648	(0.973)	437304	100.000	94.7	
	82 1-Chlorohexane	91	9.898	9.898	(0.998)	416173	100.000	90.8	9284
*	83 CHLOROBENZENE-d5	82	9.920	9.920	(1.000)	253127	50.0000		
	84 Chlorobenzene ++	112	9.931	9.931	(1.001)	688510	100.000	89.8	
	85 Ethylbenzene +	106	9.942	9.942	(1.002)	373616	100.000	98.6	
	86 1,1,1,2-Tetrachloroethane	133	9.985	9.985	(1.007)	218280	100.000	88.1	
	87 p,m-Xylene	106	10.062	10.062	(1.014)	906151	200.000	191	
	89 o-Xylene	106	10.443	10.443	(1.053)	455252	100.000	93.3	

170433

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	90 Styrene	104	10.486	10.486	(1.057)	831640	100.000	95.7	
	91 Bromoform ++	173	10.519	10.519	(1.060)	186855	100.000	101	
	93 Isopropylbenzene	105	10.704	10.704	(1.079)	1083038	100.000	95.6	
$	94 Bromofluorobenzene	174	10.965	10.965	(1.105)	139849	50.0000	48.5	
	95 n-Propylbenzene	91	11.064	11.064	(0.921)	1507503	100.000	94.0	
	96 Bromobenzene	77	11.064	11.064	(0.921)	600078	100.000	92.7	
	97 1,1,2,2-Tetrachloroethane++	83	11.118	11.118	(0.926)	453905	100.000	90.5	
	98 2-Chlorotoluene	91	11.216	11.216	(0.934)	960559	100.000	93.0	
	99 1,3,5-Trimethylbenzene	105	11.216	11.216	(0.934)	900287	100.000	92.8	
	100 1,2,3-Trichloropropane	75	11.260	11.260	(0.937)	575959	100.000	98.0	
	101 trans-1,4-Dichloro-2-Butene	53	11.271	11.271	(0.938)	151363	100.000	98.3	
	103 4-Chlorotoluene	91	11.369	11.369	(0.946)	866992	100.000	91.1	
M	124 TOTAL XYLENE	106				1361403	300.000	284	
	104 tert-butylbenzene	91	11.522	11.522	(0.959)	538589	100.000	95.9	
	106 1,2,4-Trimethylbenzene	105	11.587	11.587	(0.965)	957422	100.000	95.0	
	107 sec-Butylbenzene	105	11.685	11.685	(0.973)	1213900	100.000	96.6	
	108 p-Isopropyltoluene	119	11.816	11.816	(0.984)	941811	100.000	93.8	
	110 1,3-Dichlorobenzene	146	11.936	11.936	(0.994)	494227	100.000	95.5	
*	111 1,4-DICHLOROBENZENE-D4	152	12.013	12.013	(1.000)	190727	50.0000		
	112 1,4-Dichlorobenzene	146	12.024	12.024	(1.001)	550634	100.000	93.2	
	115 n-Butylbenzene	91	12.252	12.252	(1.020)	1006652	100.000	98.9	
	116 1,2-Dichlorobenzene	146	12.481	12.481	(1.039)	494371	100.000	97.5	
	120 1,2-Dibromo-3-Chloropropane	157	13.426	13.426	(1.118)	76702	100.000	98.2	
	122 Hexachlorobutadiene	225	14.079	14.079	(1.172)	105778	100.000	102	
	123 1,2,4-Trichlorobenzene	180	14.133	14.133	(1.177)	296713	100.000	99.7	
	125 Naphthalene	128	14.471	14.471	(1.205)	976754	100.000	101	
	126 1,2,3-Trichlorobenzene	180	14.656	14.656	(1.220)	285562	100.000	97.0	

QC Flag Legend

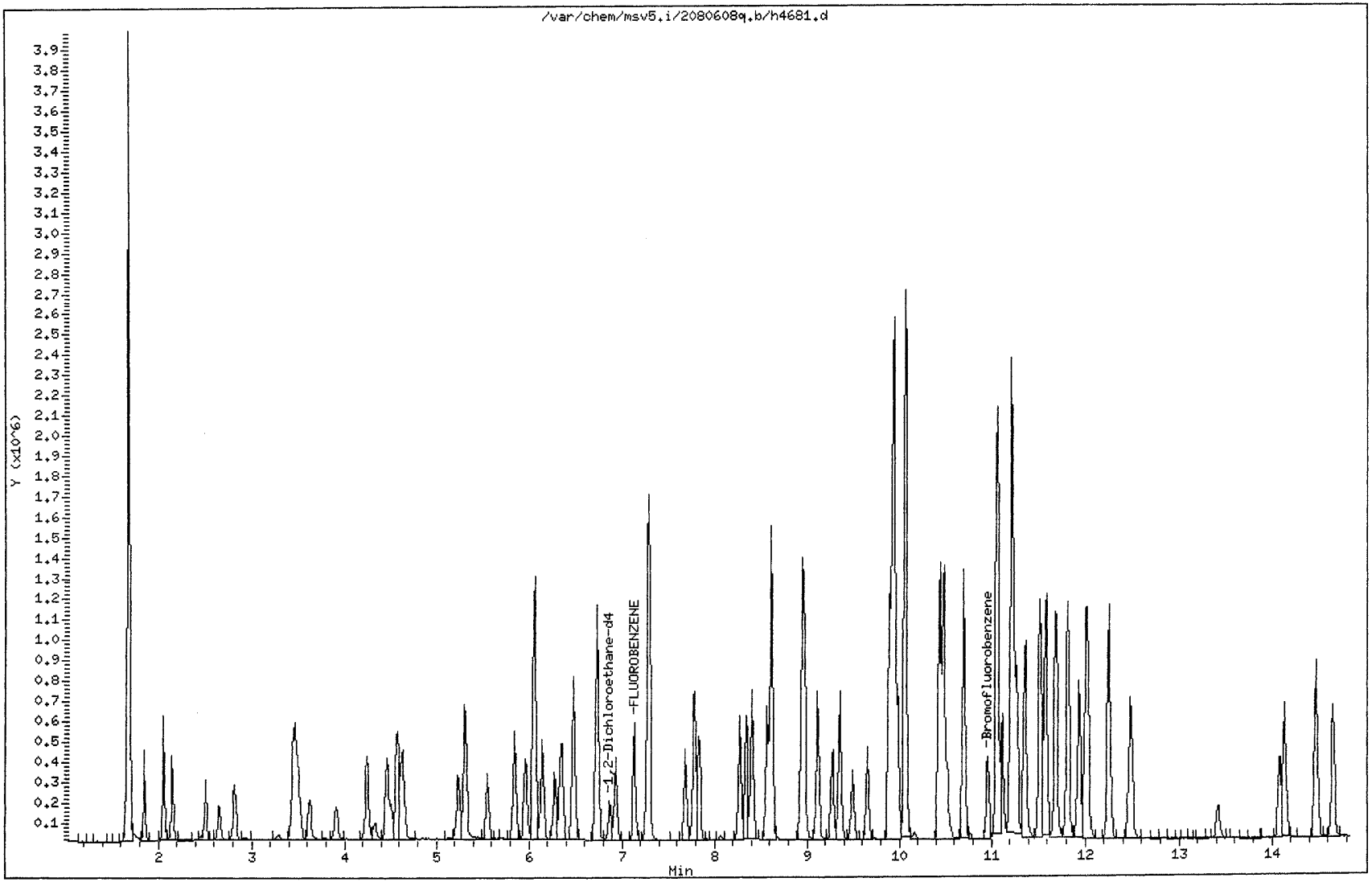
M1- Compound response manually integrated because
Target system did not integrate.

170434

Data File: /var/chem/msv5.i/2080608q.b/h4681.d
Date : 08-JUN-2008 22:56
Client ID: V5STD100
Sample Info: 1204*V5STD100*6-23-8
Purge Volume: 5.0
Column phase: DB-VRX-30M

Instrument: msv5.i

Operator: EGW
Column diameter: 0.53

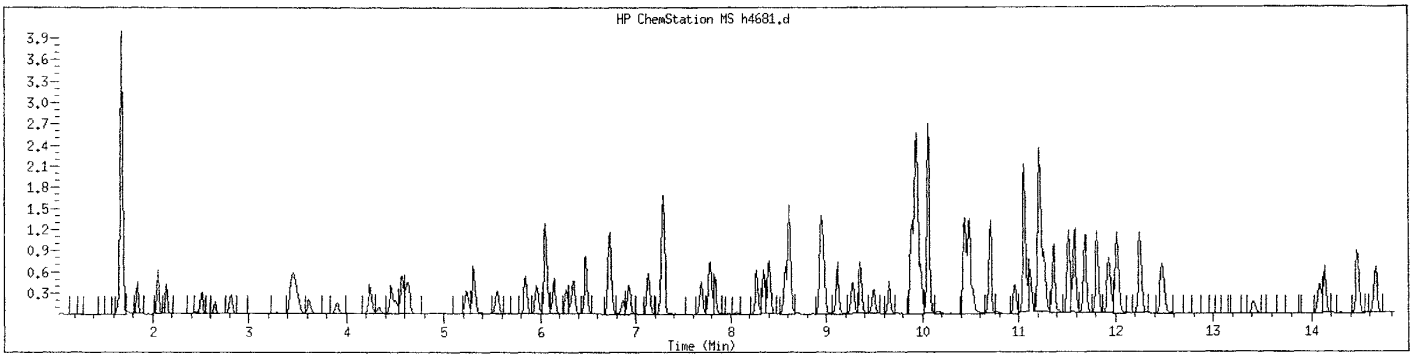


Data file : /var/chem/msv5.i/2080608q.b/h4681.d
Report Date: 06/11/2008 12:45

MANUAL INTEGRATION GRAPHIC REPORT

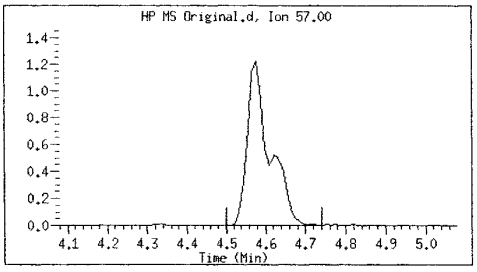
Lab ID : 1204
Injection Date: 06/08/2008 22:56
Operator : EGW
Sample Info : 1204*V5STD100*6-23-8
Misc Info : MSV~13440~*1*JCK
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE

SampleType : CALIB_4
Instrument : msv5.i
Compound Sublist: 8260b



Original | Final

21 Hexane CAS#: 110-54-3 Reason: M1



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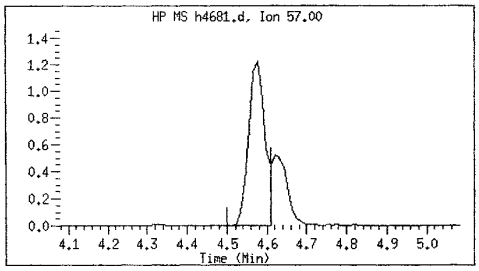
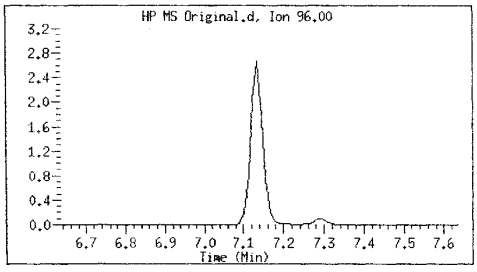
Date: 06/09/2008 09:02



* 52 FLUOROBENZENE CAS#: 462-06-6 Reason: M1



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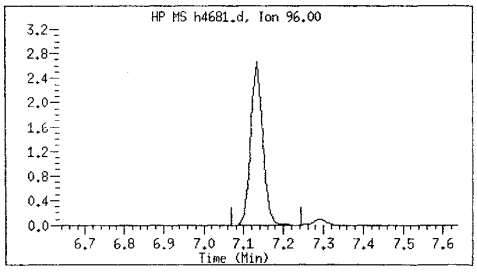


170436

M1 - Target system did not integrate

170437

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608q.b/h4682.d
Lab Smp Id: 1205 Client Smp ID: V5STD200
Inj Date : 08-JUN-2008 23:19
Operator : EGW Inst ID: msv5.i
Smp Info : 1205*V5STD200*6-23-8
Misc Info : MSV~13440~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Meth Date : 13-Jun-2008 10:28 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50

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	1.848	1.848	(1.000)	681273	200.000	188	
2 Chloromethane ++	50	2.054	2.055	(1.000)	1098744	200.000	187	
3 Vinyl Chloride +	62	2.141	2.142	(1.000)	798215	200.000	196	
5 Bromomethane	94	2.511	2.500	(1.000)	384988	200.000	201	(A)
8 Chloroethane	64	2.642	2.652	(1.000)	308127	200.000	194	
9 Trichlorofluoromethane	101	2.816	2.826	(1.000)	516086	200.000	199	
11 1,1-Dichloroethene +	96	3.436	3.446	(1.000)	390024	200.000	197	
12 Carbon Disulfide	76	3.468	3.468	(1.000)	1417452	200.000	192	
13 1,1,2Trichlotrifluoroethane	101	3.501	3.501	(1.000)	398428	200.000	199	
14 Methyl Iodide	142	3.621	3.620	(1.000)	556673	200.000	197	
15 Acrolein	56	3.904	3.904	(1.000)	412350	1000.00	984	
17 Methylene Chloride	49	4.241	4.240	(1.000)	757511	200.000	185	
18 Acetone	43	4.328	4.327	(1.000)	278992	200.000	199	
19 trans-1,2-Dichloroethene	61	4.459	4.457	(1.000)	667519	200.000	202	(A)
20 Methyl Acetate	43	4.513	4.513	(1.000)	580770	200.000	181	4464

170438

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	21 Hexane	57	4.568	4.588	(1.000)	758036	200.000	191	9320(M2)
	22 MTBE	73	4.633	4.631	(1.000)	1176105	200.000	200	9102(A)
	27 1,1-Dichloroethane ++	63	5.231	5.240	(1.000)	883616	200.000	185	
	29 Acrylonitrile	53	5.308	5.308	(1.000)	1417378	1000.00	979	
	30 Vinyl Acetate	43	5.558	5.558	(1.000)	1105273	200.000	200	(A)
M	61 Total 1,2-Dichloroethene	61				1477104	400.000	402	
	31 cis-1,2-Dichloroethene	61	5.851	5.848	(1.000)	809585	200.000	200	(A)
	32 2,2-Dichloropropane	77	5.971	5.968	(1.000)	603823	200.000	200	
	34 Cyclohexane	56	6.058	6.055	(1.000)	1136264	200.000	196	9139
	33 Bromochloromethane	128	6.058	6.055	(1.000)	264581	200.000	180	
	35 Chloroform +	83	6.145	6.142	(1.000)	870365	200.000	183	
	36 Carbon Tetrachloride	117	6.276	6.261	(1.000)	460963	200.000	200	
$	39 Dibromofluoromethane	111	6.330	6.337	(1.000)	151639	50.0000	51.1	7839
	40 1,1,1-Trichloroethane	97	6.352	6.359	(1.000)	586719	200.000	200	(A)
	42 2-Butanone	43	6.483	6.479	(1.000)	579691	200.000	200	
	43 1,1-Dichloropropene	75	6.472	6.479	(1.000)	747114	200.000	189	
	45 Benzene	78	6.733	6.728	(1.000)	2221966	200.000	198	
$	48 1,2-Dichloroethane-d4	67	6.864	6.869	(1.000)	82458	50.0000	50.1	
	49 1,2-Dichloroethane	62	6.929	6.924	(1.000)	670460	200.000	182	
*	52 FLUOROBENZENE	96	7.136	7.130	(1.000)	551328	50.0000		(M1)
	53 Methyl Cyclohexane	83	7.277	7.282	(1.000)	895438	200.000	200	9153
	54 Trichloroethene	130	7.288	7.293	(1.000)	539458	200.000	199	
	57 Dibromomethane	93	7.691	7.673	(1.000)	437615	200.000	199	
	59 1,2-Dichloropropane +	63	7.778	7.771	(1.000)	725332	200.000	179	
	60 Bromodichloromethane	83	7.832	7.825	(1.000)	776241	200.000	201	(A)
	64 1-Bromo-2-chloroethane	63	8.279	8.271	(1.000)	1333498	200.000	184	9527
	65 2-Chloroethyl vinyl ether	63	8.344	8.347	(1.000)	624624	200.000	204	(A)
	66 cis-1,3-Dichloropropene	75	8.399	8.401	(1.000)	1031138	200.000	199	
M	6 1-3 Dichloropropene-Total	100				1911804	400.000	393	0
$	67 Toluene-d8	98	8.573	8.575	(0.864)	466425	50.0000	50.0	
	69 Toluene +	91	8.616	8.618	(0.868)	2233510	200.000	199	
	71 4-methyl-2-pentanone	43	8.943	8.944	(1.000)	1096568	200.000	190	
	72 Tetrachloroethene	164	8.954	8.955	(0.902)	362652	200.000	203	(A)
	73 trans-1,3-Dichloropropene	75	8.976	8.977	(0.904)	880666	200.000	193	
	75 1,1,2-Trichloroethane	97	9.117	9.118	(0.919)	552353	200.000	194	
	76 Dibromochloromethane	129	9.270	9.281	(0.934)	598820	200.000	196	
	77 1,3-Dichloropropane	76	9.357	9.346	(0.943)	1029966	200.000	193	
	79 1,2-Dibromoethane(EDB)	107	9.488	9.487	(0.956)	633812	200.000	199	
	80 2-Hexanone	43	9.651	9.650	(0.973)	832723	200.000	187	
	82 1-Chlorohexane	91	9.891	9.889	(0.997)	867145	200.000	196	9605
*	83 CHLOROBENZENE-d5	82	9.923	9.921	(1.000)	244021	50.0000		
	84 Chlorobenzene ++	112	9.934	9.932	(1.001)	1357882	200.000	184	
	85 Ethylbenzene +	106	9.945	9.943	(1.002)	728749	200.000	200	
	86 1,1,1,2-Tetrachloroethane	133	9.989	9.987	(1.007)	426631	200.000	179	
	87 p,m-Xylene	106	10.065	10.063	(1.014)	1777658	400.000	389	
	89 o-Xylene	106	10.436	10.443	(1.052)	901561	200.000	192	
	90 Styrene	104	10.479	10.486	(1.056)	1640014	200.000	196	

170439

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	91 Bromoform ++	173	10.523	10.530	(1.060)	378483	200.000	212	(A)
	93 Isopropylbenzene	105	10.697	10.704	(1.078)	2077500	200.000	190	
$	94 Bromofluorobenzene	174	10.970	10.964	(1.105)	146110	50.0000	52.6	
	95 n-Propylbenzene	91	11.057	11.062	(0.921)	2940786	200.000	194	
	96 Bromobenzene	77	11.068	11.073	(0.922)	1147443	200.000	188	
	97 1,1,2,2-Tetrachloroethane++	83	11.112	11.117	(0.925)	871376	200.000	184	
	98 2-Chlorotoluene	91	11.221	11.214	(0.935)	1903622	200.000	195	
	99 1,3,5-Trimethylbenzene	105	11.221	11.225	(0.935)	1804052	200.000	197	
	100 1,2,3-Trichloropropane	75	11.265	11.247	(0.938)	1097955	200.000	198	
	101 trans-1,4-Dichloro-2-Butene	53	11.276	11.276	(0.939)	278554	200.000	192	
	103 4-Chlorotoluene	91	11.363	11.377	(0.946)	1685209	200.000	188	
M	124 TOTAL XYLENE	106				2679219	600.000	580	
	104 tert-butylbenzene	91	11.526	11.518	(0.960)	1012559	200.000	191	
	106 1,2,4-Trimethylbenzene	105	11.581	11.584	(0.965)	1832522	200.000	193	
	107 sec-Butylbenzene	105	11.690	11.692	(0.974)	2315942	200.000	195	
	108 p-Isopropyltoluene	119	11.821	11.823	(0.985)	1887820	200.000	199	
	110 1,3-Dichlorobenzene	146	11.941	11.942	(0.995)	996860	200.000	204	(A)
*	111 1,4-DICHLOROBENZENE-D4	152	12.007	12.007	(1.000)	180070	50.0000		
	112 1,4-Dichlorobenzene	146	12.029	12.029	(1.002)	1050097	200.000	188	
	115 n-Butylbenzene	91	12.258	12.246	(1.021)	1978629	200.000	206	(A)
	116 1,2-Dichlorobenzene	146	12.486	12.496	(1.040)	964414	200.000	201	(A)
	120 1,2-Dibromo-3-Chloropropane	157	13.422	13.422	(1.118)	147871	200.000	200	
	122 Hexachlorobutadiene	225	14.085	14.103	(1.173)	201771	200.000	207	(A)
	123 1,2,4-Trichlorobenzene	180	14.140	14.135	(1.178)	580194	200.000	206	(A)
	125 Naphthalene	128	14.477	14.483	(1.206)	1902217	200.000	208	(A)
	126 1,2,3-Trichlorobenzene	180	14.663	14.679	(1.221)	553060	200.000	199	

QC Flag Legend

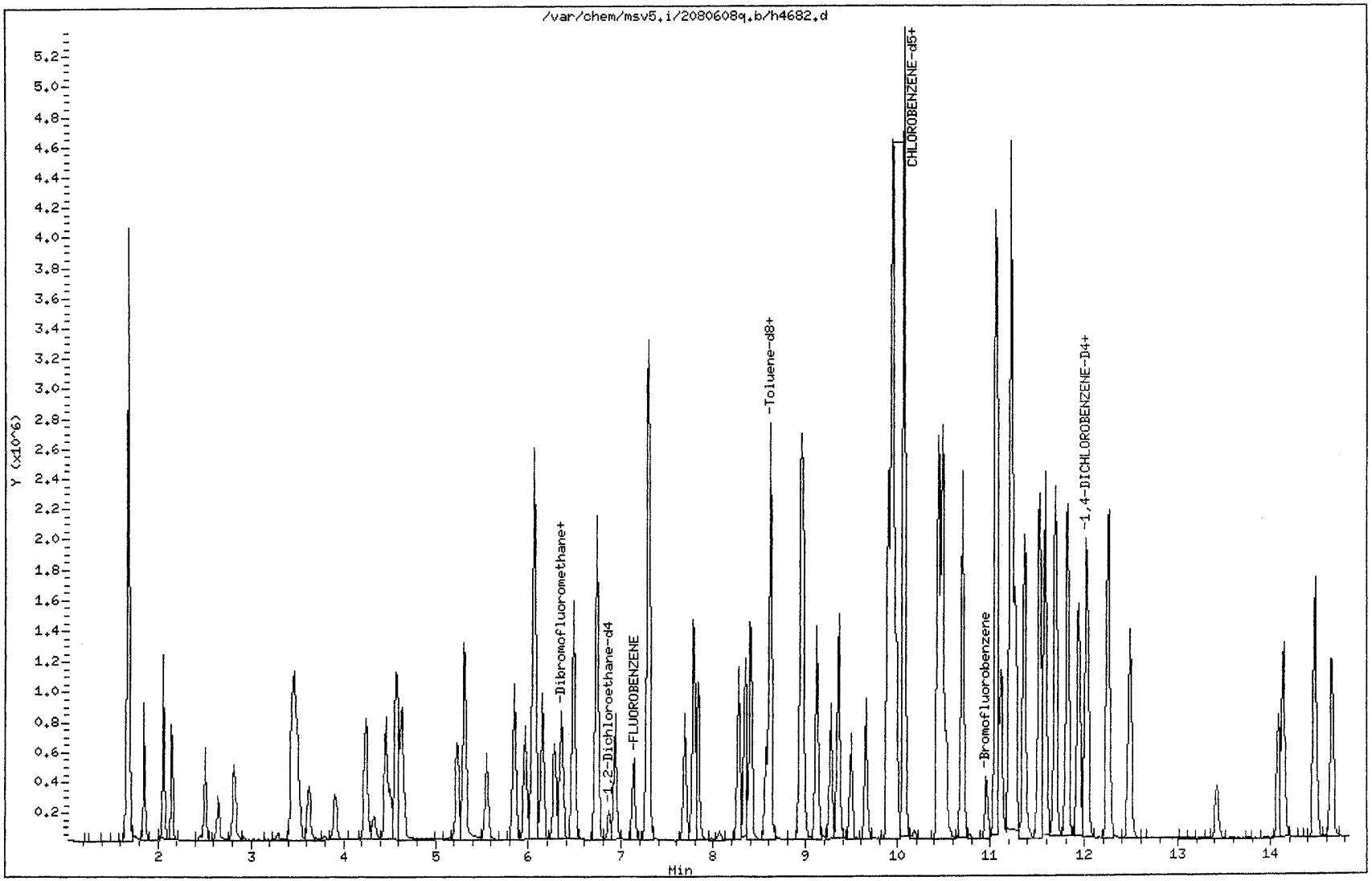
A - Target compound detected but, quantitated amount exceeded maximum amount.
M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.

170440

Data File: /var/chem/msv5.i/2080608q.b/h4682.d
Date : 08-JUN-2008 23:19
Client ID: V5STD200
Sample Info: 1205*V5STD200*6-23-8
Purge Volume: 5.0
Column phase: DB-VRX-30M

Instrument: msv5.i

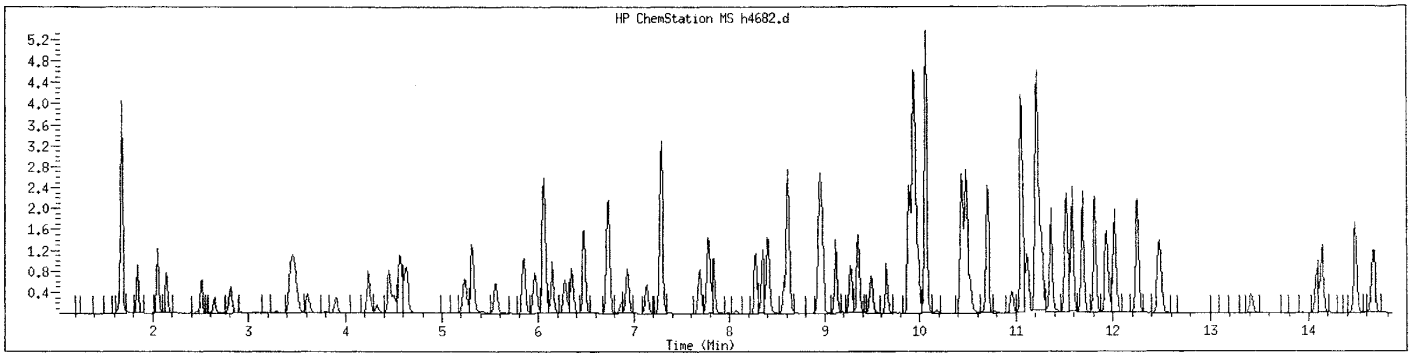
Operator: EGW
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080608q.b/h4682.d
Report Date: 06/13/2008 10:31

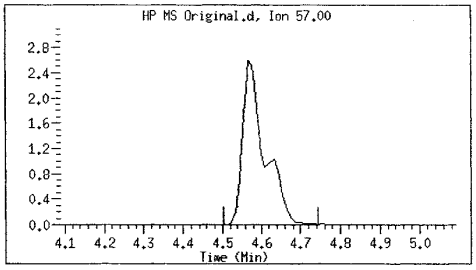
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 06/08/2008 23:19	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 1205*V5STD200*6-23-8		
Misc Info	: MSV~13440~*1*JCK		
Method	: /var/chem/msv5.i/2080608q.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



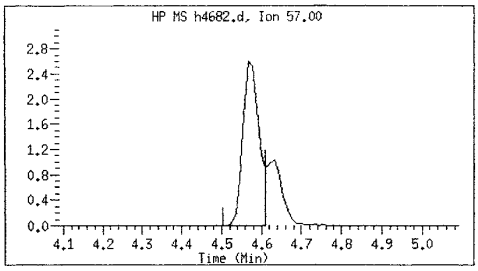
Original Final

21 Hexane CAS#: 110-54-3 Reason: M2

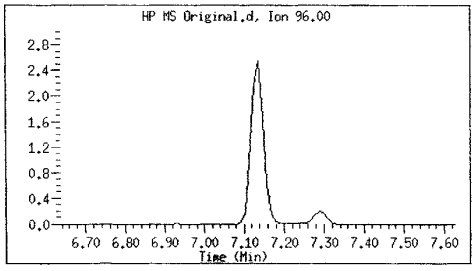


Electronic Signature Applied

User: root
Date: 06/09/2008 09:04

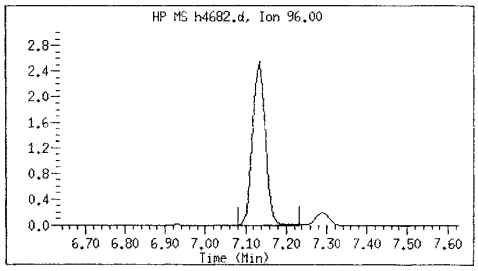


* 52 FLUOROBENZENE CAS#: 462-06-6 Reason: M1



Electronic Signature Applied

User: root
Date: 06/09/2008 09:05



170442

Data file : /var/chem/msv5.i/2080608q.b/h4682.d
Report Date: 06/13/2008 10:31

M1 - Target system did not integrate
M2 - Target system integrated incorrectly

170443

Data File: /var/chem/msv5.i/2080608q.b/h4684.d
Report Date: 09-Jun-2008 09:37

GCAL, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 1600
Level: LOW
Data Type: MS DATA
SpikeList File: ICV.spk
Sublist File: 8260b.sub
Method File: /var/chem/msv5.i/2080608q.b/8260Bw5.m
Misc Info: MSV~13440~*1*JCK

Client SDG: 2080608q
Fraction: VOA
Client Smp ID: 8260ICV
Operator: EGW
SampleType: LCS
Quant Type: ISTD

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1	Dichlorodifluoromethane	50.0	46.7	93.36	60-140
2	Chloromethane ++	50.0	45.2	90.38	70-130
3	Vinyl Chloride +	50.0	51.5	102.97	70-130
5	Bromomethane	50.0	46.6	93.14	60-140
8	Chloroethane	50.0	54.0	108.09	70-130
9	Trichlorofluoromethane	50.0	54.6	109.11	70-130
11	1,1-Dichloroethene +	50.0	52.5	104.99	70-130
12	Carbon Disulfide	50.0	51.8	103.62	70-130
13	1,1,2Trichlotrifluoroethane	50.0	52.6	105.17	70-130
14	Methyl Iodide	50.0	51.3	102.65	70-130
15	Acrolein	250	225	89.92	60-140
17	Methylene Chloride	50.0	50.3	100.59	70-130
18	Acetone	50.0	54.0	108.01	60-140
19	trans-1,2-Dichloroethene	50.0	57.4	114.90	70-130
22	MTBE	50.0	54.1	108.23	70-130
27	1,1-Dichloroethane ++	50.0	50.9	101.81	70-130
29	Acrylonitrile	250	238	95.03	60-140
30	Vinyl Acetate	50.0	40.8	81.70	60-140
31	cis-1,2-Dichloroethene	50.0	57.5	114.94	70-130
32	2,2-Dichloropropane	50.0	54.0	107.94	70-130
34	Cyclohexane	50.0	54.3	108.59	70-130
33	Bromochloromethane	50.0	53.6	107.11	70-130
35	Chloroform +	50.0	52.2	104.48	70-130
36	Carbon Tetrachloride	50.0	56.8	113.53	70-130
40	1,1,1-Trichloroethane	50.0	56.1	112.15	70-130
43	1,1-Dichloropropene	50.0	51.1	102.23	70-130
42	2-Butanone	50.0	50.3	100.58	60-140
45	Benzene	50.0	54.4	108.78	70-130
49	1,2-Dichloroethane	50.0	51.2	102.31	70-130
53	Methyl Cyclohexane	50.0	53.9	107.73	70-130
54	Trichloroethene	50.0	57.0	113.92	70-130
57	Dibromomethane	50.0	51.7	103.33	70-130
59	1,2-Dichloropropane +	50.0	50.3	100.54	70-130

170444

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
60 Bromodichloromethane	50.0	53.0	106.01	70-130
65 2-Chloroethyl vinyl ether	50.0	51.3	102.60	60-140
66 cis-1,3-Dichloropropene	50.0	51.5	103.04	70-130
69 Toluene +	50.0	51.9	103.80	70-130
72 Tetrachloroethene	50.0	54.3	108.59	70-130
71 4-methyl-2-pentanone	50.0	49.0	97.98	60-140
73 trans-1,3-Dichloropropene	50.0	50.9	101.83	70-130
75 1,1,2-Trichloroethane	50.0	51.4	102.81	70-130
76 Dibromochloromethane	50.0	51.4	102.77	70-130
77 1,3-Dichloropropane	50.0	51.6	103.17	70-130
79 1,2-Dibromoethane(EDB)	50.0	54.8	109.69	70-130
80 2-Hexanone	50.0	51.6	103.29	60-140
84 Chlorobenzene ++	50.0	50.1	100.16	70-130
85 Ethylbenzene +	50.0	51.6	103.23	70-130
86 1,1,1,2-Tetrachloroethane	50.0	49.5	98.95	70-130
87 p,m-Xylene	100	101	101.13	70-130
89 o-Xylene	50.0	49.9	99.85	70-130
90 Styrene	50.0	48.7	97.32	70-130
91 Bromoform ++	50.0	56.9	113.89	70-130
93 Isopropylbenzene	50.0	50.1	100.25	70-130
96 Bromobenzene	50.0	55.3	110.60	70-130
95 n-Propylbenzene	50.0	54.3	108.65	70-130
97 1,1,2,2-Tetrachloroethane++	50.0	53.9	107.81	70-130
98 2-Chlorotoluene	50.0	55.3	110.60	70-130
99 1,3,5-Trimethylbenzene	50.0	53.4	106.90	70-130
100 1,2,3-Trichloropropane	50.0	54.9	109.90	70-130
101 trans-1,4-Dichloro-2-Butene	50.0	49.8	99.62	70-130
103 4-Chlorotoluene	50.0	54.5	108.95	70-130
104 tert-butylbenzene	50.0	53.5	107.05	70-130
106 1,2,4-Trimethylbenzene	50.0	53.0	106.00	70-130
107 sec-Butylbenzene	50.0	55.5	110.98	70-130
108 p-Isopropyltoluene	50.0	52.2	104.45	70-130
110 1,3-Dichlorobenzene	50.0	55.3	110.66	70-130
112 1,4-Dichlorobenzene	50.0	55.0	109.92	70-130
115 n-Butylbenzene	50.0	55.4	110.80	70-130
116 1,2-Dichlorobenzene	50.0	55.9	111.77	70-130
120 1,2-Dibromo-3-Chloropropane	50.0	53.9	107.80	60-140
122 Hexachlorobutadiene	50.0	47.7	95.42	70-130
123 1,2,4-Trichlorobenzene	50.0	56.0	111.98	70-130
125 Naphthalene	50.0	55.4	110.81	70-130
126 1,2,3-Trichlorobenzene	50.0	51.3	102.56	70-130

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 39 Dibromofluoromethane	50.0	50.2	100.48	77-127

170445

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 48 1,2-Dichloroethane-d4	50.0	47.5	95.05	71-127
$ 67 Toluene-d8	50.0	49.5	98.99	76-134
$ 94 Bromofluorobenzene	50.0	49.1	98.20	78-130

170446

GCAL, Inc.

Data file : /var/chem/msv5.i/2080608q.b/h4684.d
Lab Smp Id: 1600 Client Smp ID: 8260ICV
Inj Date : 09-JUN-2008 00:05
Operator : EGW Inst ID: msv5.i
Smp Info : 1600*8260ICV
Misc Info : MSV~13440~*1*JCK
Comment :
Method : /var/chem/msv5.i/2080608q.b/8260Bw5.m
Meth Date : 09-Jun-2008 09:37 root Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 9 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	1.848	1.848	(0.259)	173098	46.6822	46.7	
2 Chloromethane ++	50	2.054	2.054	(0.288)	271668	45.1895	45.2	
3 Vinyl Chloride +	62	2.152	2.141	(0.302)	214530	51.4855	51.5	
5 Bromomethane	94	2.511	2.511	(0.352)	89574	46.5697	46.6	
8 Chloroethane	64	2.652	2.642	(0.372)	91382	54.0465	54.0	
9 Trichlorofluoromethane	101	2.815	2.816	(0.395)	145971	54.5560	54.6	
11 1,1-Dichloroethene +	96	3.446	3.436	(0.483)	106407	52.4939	52.5	
12 Carbon Disulfide	76	3.468	3.468	(0.486)	392304	51.8085	51.8	
13 1,1,2Trichlotrifluoroethane	101	3.500	3.501	(0.491)	107224	52.5842	52.6	
14 Methyl Iodide	142	3.631	3.621	(0.509)	150709	51.3225	51.3	
15 Acrolein	56	3.903	3.904	(0.547)	96421	224.801	225	
17 Methylene Chloride	49	4.251	4.241	(0.596)	211176	50.2960	50.3	
18 Acetone	43	4.338	4.328	(0.608)	80440	54.0070	54.0	
19 trans-1,2-Dichloroethene	61	4.468	4.459	(0.626)	193897	57.4483	57.4	

170447

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
	20 Methyl Acetate	43	4.512	4.513	(0.633)	159382	48.6782	48.7	4619
	21 Hexane	57	4.577	4.568	(0.642)	260043	64.0997	64.1	9349
	22 MTBE	73	4.632	4.633	(0.649)	327277	54.1155	54.1	8934
	27 1,1-Dichloroethane ++	63	5.241	5.231	(0.735)	249131	50.9073	50.9	
	29 Acrylonitrile	53	5.317	5.308	(0.745)	351900	237.563	238	
	30 Vinyl Acetate	43	5.556	5.558	(0.779)	268574	40.8484	40.8	
M	61 Total 1,2-Dichloroethene	61				431318	114.916	115	
	31 cis-1,2-Dichloroethene	61	5.850	5.851	(0.820)	237421	57.4679	57.5	
	32 2,2-Dichloropropane	77	5.969	5.971	(0.837)	169089	53.9715	54.0	
	34 Cyclohexane	56	6.056	6.058	(0.849)	322838	54.2974	54.3	9139
	33 Bromochloromethane	128	6.067	6.058	(0.851)	80479	53.5554	53.6	
	35 Chloroform +	83	6.143	6.145	(0.861)	254712	52.2383	52.2	
	36 Carbon Tetrachloride	117	6.285	6.276	(0.881)	134077	56.7649	56.8	
$	39 Dibromofluoromethane	111	6.339	6.330	(0.889)	152504	50.2415	50.2	9288
	40 1,1,1-Trichloroethane	97	6.350	6.352	(0.890)	167987	56.0731	56.1	
	42 2-Butanone	43	6.481	6.483	(0.909)	153847	50.2905	50.3	
	43 1,1-Dichloropropene	75	6.481	6.472	(0.909)	207036	51.1136	51.1	
	45 Benzene	78	6.731	6.733	(0.944)	629142	54.3910	54.4	
$	48 1,2-Dichloroethane-d4	67	6.872	6.864	(0.963)	80113	47.5231	47.5	
	49 1,2-Dichloroethane	62	6.938	6.929	(0.973)	193182	51.1542	51.2	
*	52 FLUOROBENZENE	96	7.133	7.136	(1.000)	564140	50.0000		
	53 Methyl Cyclohexane	83	7.286	7.277	(1.021)	248292	53.8663	53.9	9636
	54 Trichloroethene	130	7.296	7.288	(1.023)	157823	56.9601	57.0	
	57 Dibromomethane	93	7.688	7.691	(1.078)	116251	51.6658	51.7	
	59 1,2-Dichloropropane +	63	7.786	7.778	(1.091)	208389	50.2676	50.3	
	60 Bromodichloromethane	83	7.840	7.832	(1.099)	208776	53.0027	53.0	
	64 1-Bromo-2-chloroethane	63	8.275	8.279	(1.160)	310362	41.8363	41.8	9505
	65 2-Chloroethyl vinyl ether	63	8.351	8.344	(1.171)	160733	51.3019	51.3	
	66 cis-1,3-Dichloropropene	75	8.405	8.399	(1.178)	273643	51.5208	51.5	
M	6 1-3 Dichloropropene-Total	100				513170	103.120	103	0
$	67 Toluene-d8	98	8.569	8.573	(0.864)	475606	49.4967	49.5	
	69 Toluene +	91	8.612	8.616	(0.868)	607372	51.9000	51.9	
	71 4-methyl-2-pentanone	43	8.938	8.943	(1.253)	289941	48.9925	49.0	
	72 Tetrachloroethene	164	8.960	8.954	(0.903)	100124	54.2934	54.3	
	73 trans-1,3-Dichloropropene	75	8.971	8.976	(0.905)	239527	50.9131	50.9	
	75 1,1,2-Trichloroethane	97	9.113	9.117	(0.919)	151227	51.4026	51.4	
	76 Dibromochloromethane	129	9.276	9.270	(0.935)	161692	51.3869	51.4	
	77 1,3-Dichloropropane	76	9.352	9.357	(0.943)	283918	51.5874	51.6	
	79 1,2-Dibromoethane(EDB)	107	9.494	9.488	(0.957)	179830	54.8444	54.8	
	80 2-Hexanone	43	9.657	9.651	(0.974)	237100	51.6457	51.6	
	82 1-Chlorohexane	91	9.896	9.891	(0.998)	255901	56.1836	56.2	9256
*	83 CHLOROBENZENE-d5	82	9.918	9.923	(1.000)	251593	50.0000		
	84 Chlorobenzene ++	112	9.939	9.934	(1.002)	381730	50.0822	50.1	
	85 Ethylbenzene +	106	9.939	9.945	(1.002)	195008	51.6170	51.6	
	86 1,1,1,2-Tetrachloroethane	133	9.983	9.989	(1.007)	121881	49.4741	49.5	
	87 p,m-Xylene	106	10.070	10.065	(1.015)	476966	101.125	101	
	89 o Xylene	106	10.440	10.436	(1.053)	242173	49.9272	49.9	

170448

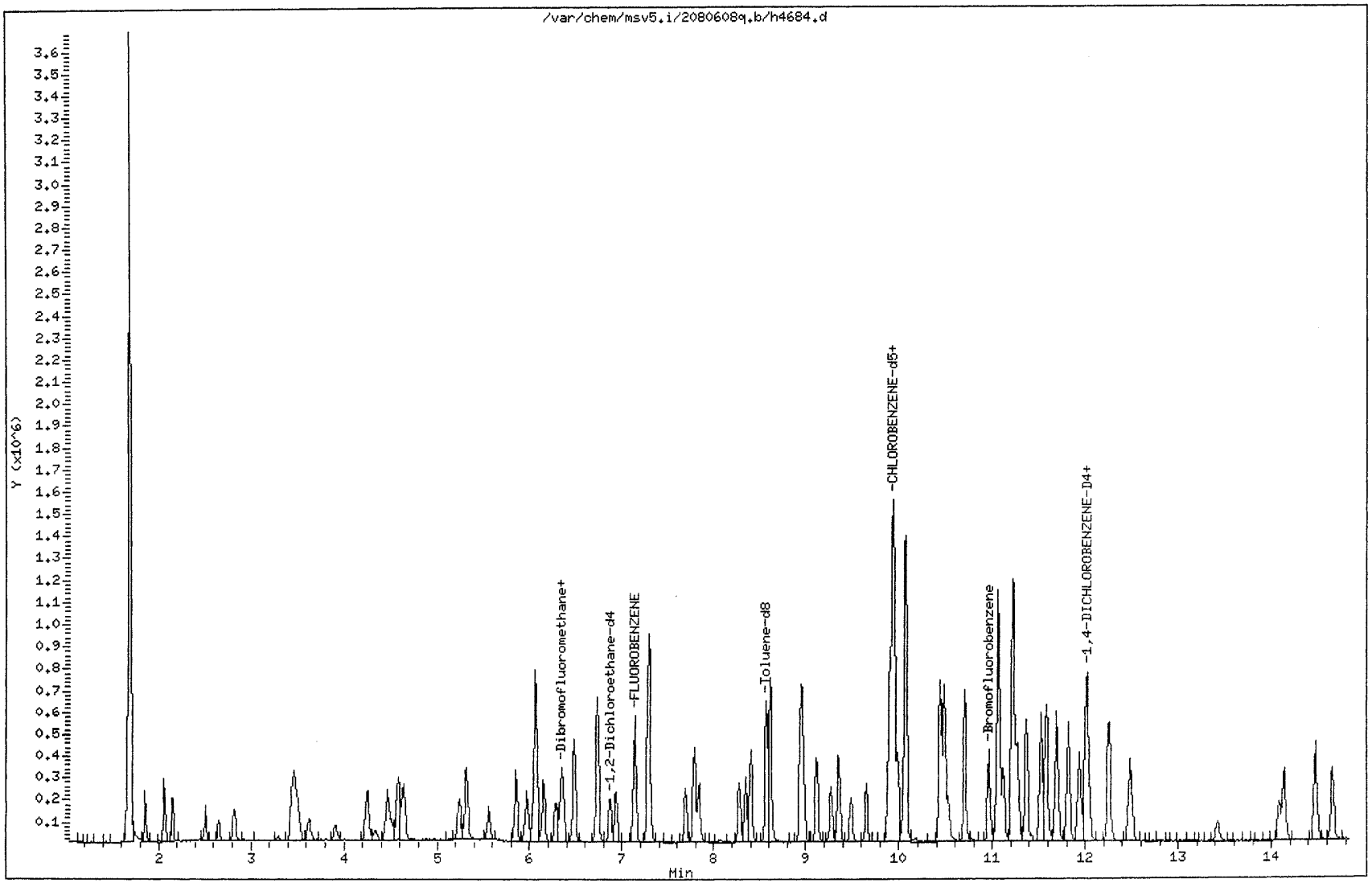
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
	90 Styrene	104	10.484	10.479	(1.057)	420491	48.6585	48.7	
	91 Bromoform ++	173	10.527	10.523	(1.061)	104662	56.9456	56.9	
	93 Isopropylbenzene	105	10.702	10.697	(1.079)	564482	50.1232	50.1	
$	94 Bromofluorobenzene	174	10.963	10.970	(1.105)	140584	49.1022	49.1	
	95 n-Propylbenzene	91	11.061	11.057	(0.921)	799639	54.3249	54.3	
	96 Bromobenzene	77	11.072	11.068	(0.922)	328596	55.2993	55.3	
	97 1,1,2,2-Tetrachloroethane++	83	11.115	11.112	(0.926)	237033	53.9063	53.9	
	98 2-Chlorotoluene	91	11.213	11.221	(0.934)	524521	55.3008	55.3	
	99 1,3,5-Trimethylbenzene	105	11.224	11.221	(0.935)	475986	53.4487	53.4	
	100 1,2,3-Trichloropropane	75	11.268	11.265	(0.938)	296454	54.9482	54.9	
	101 trans-1,4-Dichloro-2-Butene	53	11.279	11.276	(0.939)	70403	49.8098	49.8	
	103 4-Chlorotoluene	91	11.366	11.363	(0.946)	475830	54.4728	54.5	
M	124 TOTAL XYLENE	106				719139	151.052	151	
	104 tert-butylbenzene	91	11.530	11.526	(0.960)	276069	53.5273	53.5	
	106 1,2,4-Trimethylbenzene	105	11.584	11.581	(0.965)	490194	53.0015	53.0	
	107 sec-Butylbenzene	105	11.693	11.690	(0.974)	640270	55.4900	55.5	
	108 p-Isopropyltoluene	119	11.824	11.821	(0.985)	481351	52.2238	52.2	
	110 1,3-Dichlorobenzene	146	11.944	11.941	(0.995)	262687	55.3285	55.3	
*	111 1,4-DICHLOROBENZENE-D4	152	12.009	12.007	(1.000)	175063	50.0000		
	112 1,4-Dichlorobenzene	146	12.031	12.029	(1.002)	297916	54.9606	55.0	
	115 n-Butylbenzene	91	12.260	12.258	(1.021)	517471	55.4010	55.4	
	116 1,2-Dichlorobenzene	146	12.488	12.486	(1.040)	260148	55.8875	55.9	
	120 1,2-Dibromo-3-Chloropropane	157	13.433	13.422	(1.119)	38440	53.9015	53.9	
	122 Hexachlorobutadiene	225	14.085	14.085	(1.173)	45315	47.7108	47.7	
	123 1,2,4-Trichlorobenzene	180	14.140	14.140	(1.177)	152944	55.9920	56.0	
	125 Naphthalene	128	14.477	14.477	(1.206)	492290	55.4057	55.4	
	126 1,2,3-Trichlorobenzene	180	14.662	14.663	(1.221)	138549	51.2791	51.3	

170449

Data File: /var/chem/msv5.i/2080608q.b/h4684.d
Date : 09-JUN-2008 00:05
Client ID: 8260ICV
Sample Info: 1600*8260ICV
Purge Volume: 5.0
Column phase: DB-VRX-30M

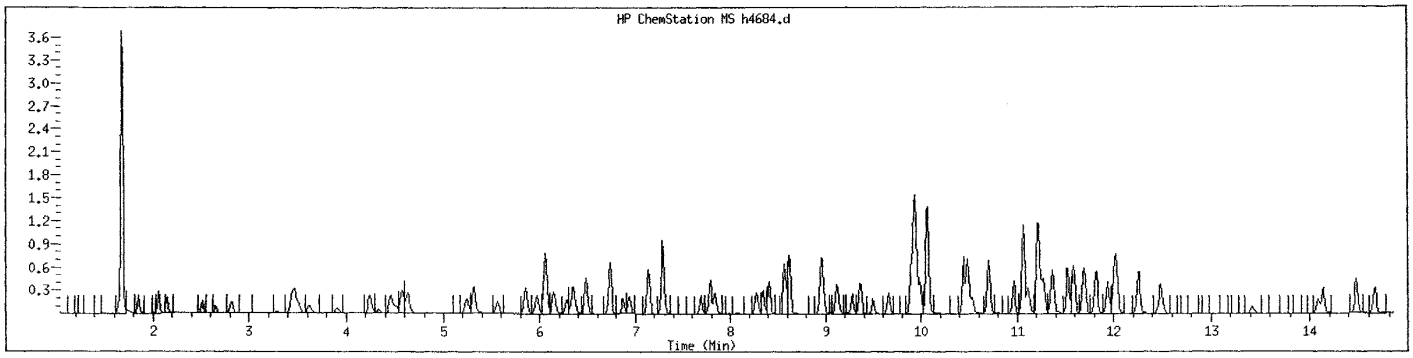
Instrument: msv5.i

Operator: EGW
Column diameter: 0.53



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 06/09/2008 00:05	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 1600*8260ICV		
Misc Info	: MSV~13440~*1*JCK		
Method	: /var/chem/msv5.i/2080608q.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

170451

Data File: /var/chem/msv5.i/2080610.b/h4724.d
Report Date: 10-Jun-2008 09:09

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv5.i
Lab File ID: h4724.d
Analysis Type: WATER
Lab Sample ID: 1400
Method: /var/chem/msv5.i/2080610.b/8260Bw5.m

Injection Date: 10-JUN-2008 07:43
Init. Cal. Date(s): 06-JUN-2008 08-JUN-2008
Init. Cal. Times: 16:30 23:19
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
10 Ethyl Ether	0.21898	0.21539	0.21539	0.050	-1.63820	40.00000	Averaged	
16 Allyl chloride	0.27321	0.27517	0.27517	0.050	0.71567	40.00000	Averaged	
25 Isopropyl Ether	1.01768	0.96692	0.96692	0.050	-4.98797	40.00000	Averaged	
26 Chloroprene	0.34540	0.34061	0.34061	0.050	-1.38629	40.00000	Averaged	
38 Tetrahydrofuran	0.17427	0.15764	0.15764	0.050	-9.54374	40.00000	Averaged	
37 Ethyl Acetate	0.40301	0.38352	0.38352	0.050	-4.83541	40.00000	Averaged	
46 Propionitrile	0.06331	0.05778	0.05778	0.050	-8.72886	40.00000	Averaged	
47 Methacrylonitrile	0.31736	0.28488	0.28488	0.050	-10.23399	40.00000	Averaged	
50 Isobutyl Alcohol	0.02605	0.01858	0.01858	0.050	-28.66559	40.00000	Averaged	<-
58 2-3 Dichloro-1-Proprene	0.47479	0.48938	0.48938	0.050	3.07332	40.00000	Averaged	
56 n-Butanol	0.01636	0.01231	0.01231	0.050	-24.74406	40.00000	Averaged	<-
74 Ethyl Methacrylate	0.97729	0.88382	0.88382	0.050	-9.56433	40.00000	Averaged	
63 1,4- Dioxane	0.00361	0.00312	0.00312	0.050	-13.45186	40.00000	Averaged	<-
70 2-nitropropane	0.11182	0.09620	0.09620	0.050	-13.97553	40.00000	Averaged	
62 Methyl methacrylate	0.30057	0.27428	0.27428	0.050	-8.74864	40.00000	Averaged	
78 1-nitropropane	0.08246	0.06911	0.06911	0.050	-16.19768	40.00000	Averaged	
92 1,5 Cyclooctadiene	0.48759	0.47984	0.47984	0.050	-1.58973	40.00000	Averaged	
102 Cyclohexanone	0.17172	0.13630	0.13630	0.050	-20.62750	40.00000	Averaged	
105 Pentachloroethane	0.43178	0.47509	0.47509	0.050	10.03073	40.00000	Averaged	
121 Benzal Chloride	88.12308	100	0.30220	0.050	-11.87692	40.00000	Linear	
$ 39 Dibromofluoromethane	0.26903	0.26382	0.26382	0.050	-1.93784	30.00000	Averaged	
$ 48 1,2-Dichloroethane-d4	0.14941	0.14684	0.14684	0.050	-1.71730	30.00000	Averaged	
$ 67 Toluene-d8	1.90960	1.85805	1.85805	0.050	-2.69949	30.00000	Averaged	
$ 94 Bromofluorobenzene	0.56899	0.55501	0.55501	0.050	-2.45756	30.00000	Averaged	

170452

GCAL, Inc.

Data file : /var/chem/msv5.i/2080610.b/h4723.d
Lab Smp Id: 1000 Client Smp ID: V5BFB001
Inj Date : 10-JUN-2008 07:03
Operator : EGW Inst ID: msv5.i
Smp Info : 1000*V5BFB001
Misc Info : MSV~13454~*1*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/bfb1.m
Meth Date : 29-Apr-2008 10:01 root 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		
10.962	10.648 (0.000)	95	66570			100.00- 100.00	100.00
10.962	10.648 (0.000)	50	12674			15.00- 40.00	19.04
10.962	10.648 (0.000)	75	26941			30.00- 60.00	40.47
10.962	10.648 (0.000)	96	4500			5.00- 9.00	6.76
10.962	10.648 (0.000)	173	54			0.00- 2.00	0.12
10.962	10.648 (0.000)	174	44906			50.00- 120.00	67.46
10.962	10.648 (0.000)	175	3637			5.00- 9.00	8.10
10.962	10.648 (0.000)	176	44658			95.00- 101.00	99.45
10.962	10.648 (0.000)	177	2596			5.00- 9.00	5.81

170453

Data File: /var/chem/msv5.i/2080610.b/h4723.d

Date : 10-JUN-2008 07:03

Client ID: V5BFB001

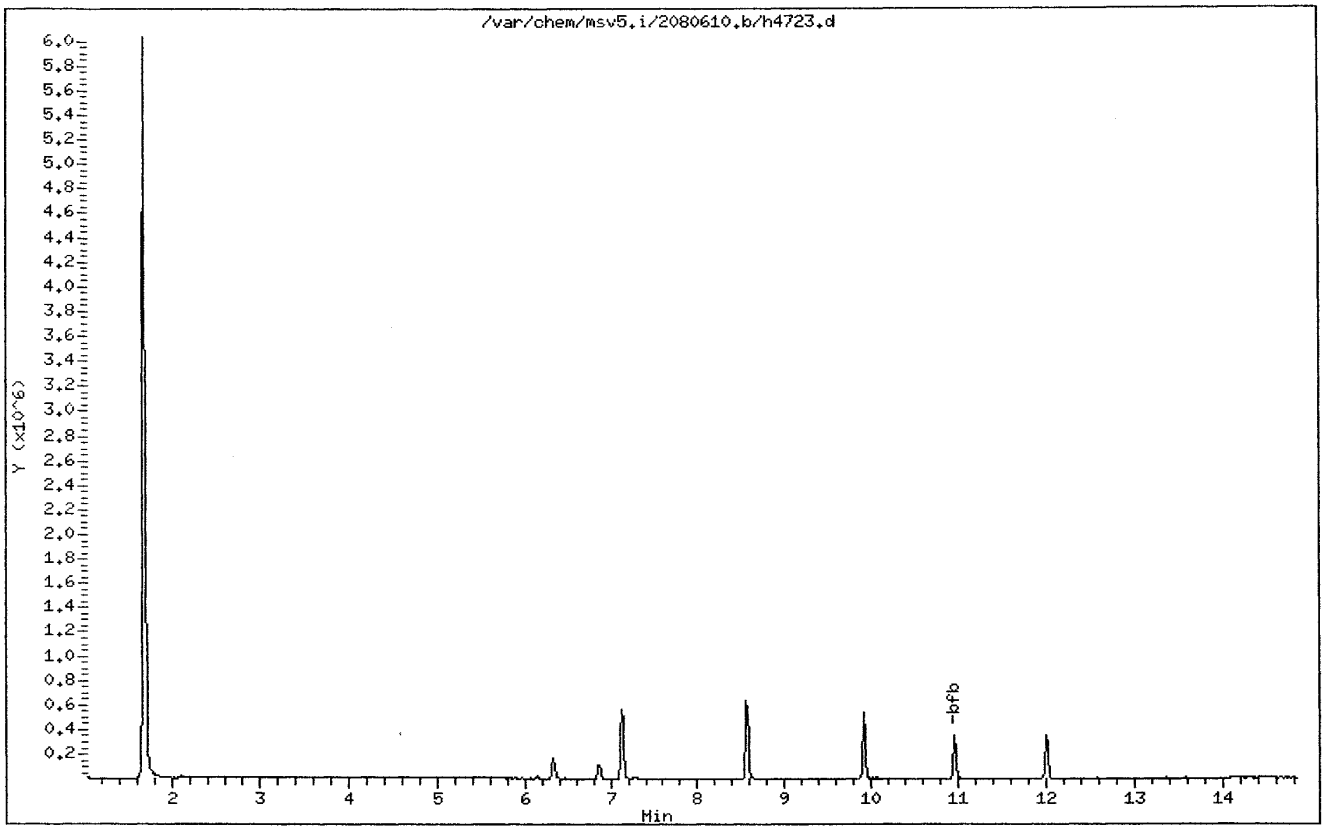
Instrument: msv5.i

Sample Info: 1000*V5BFB001

Operator: ECW

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv5.i/2080610.b/h4723.d

Date : 10-JUN-2008 07:03

Client ID: V5BFB001

Instrument: msv5.i

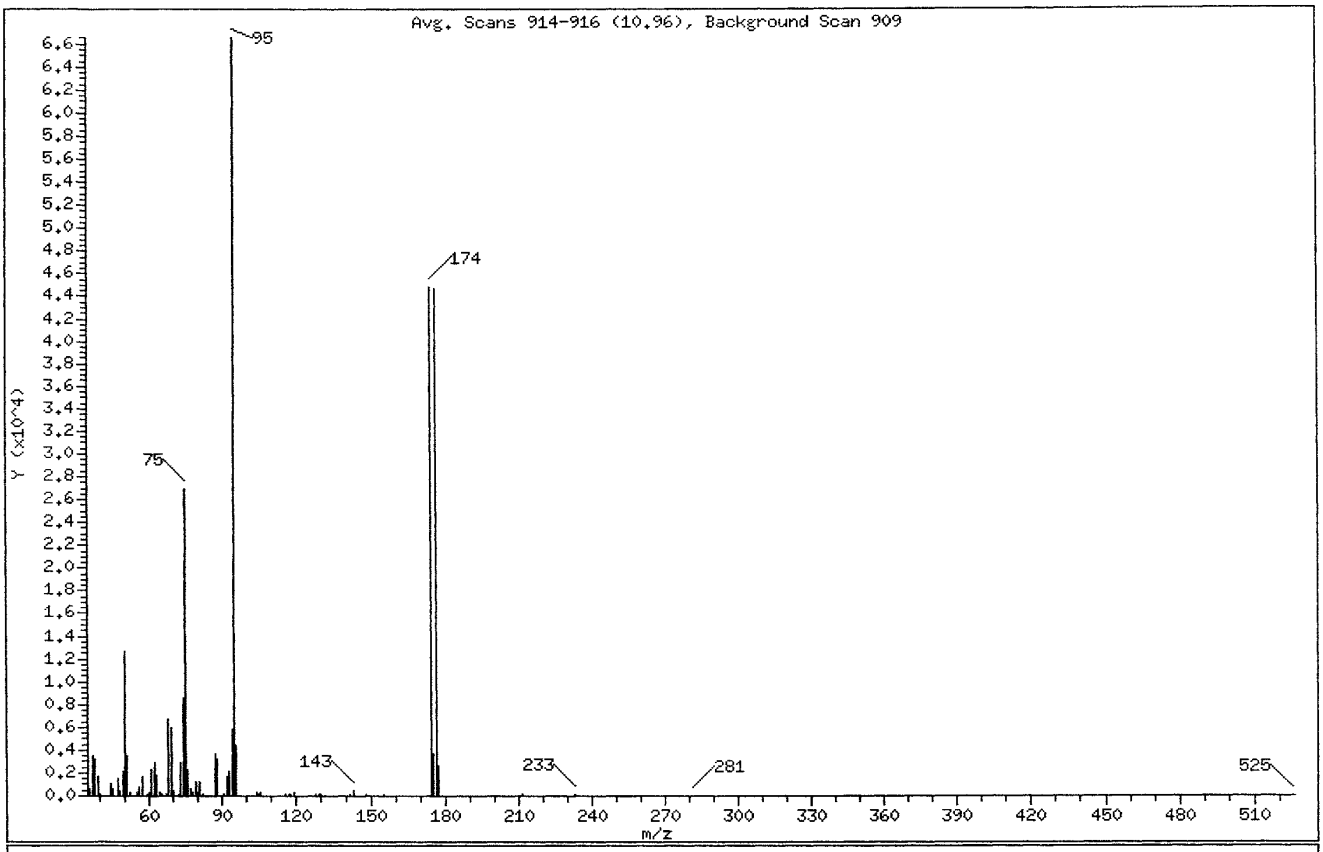
Sample Info: 1000*V5BFB001

Operator: EGW

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	19.04
75	30.00 - 60.00% of mass 95	40.47
96	5.00 - 9.00% of mass 95	6.76
173	Less than 2.00% of mass 174	0.08 (0.12)
174	50.00 - 120.00% of mass 95	67.46
175	5.00 - 9.00% of mass 174	5.46 (8.10)
176	95.00 - 101.00% of mass 174	67.08 (99.45)
177	5.00 - 9.00% of mass 176	3.90 (5.81)

Data File: /var/chem/msv5.i/2080610.b/h4723.d

Date : 10-JUN-2008 07:03

Client ID: V5BFB001 Instrument: msv5.i

Sample Info: 1000*V5BFB001

Operator: EGW

Column phase: DB-624-30M Column diameter: 0.53

Data File: h4723.d
Spectrum: Avg. Scans 914-916 (10.96), Background Scan 909
Location of Maximum: 95.00
Number of points: 81

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	570	62.00	2903	87.00	3644	141.00	174
37.00	3585	63.00	1772	88.00	3247	143.00	415
38.00	3152	64.00	280	91.00	168	148.00	108
39.00	1659	65.00	102	92.00	1628	149.00	59
40.00	191	66.00	67	93.00	2133	154.00	52
43.00	50	67.00	171	94.00	5884	155.00	77
44.00	1089	68.00	6697	95.00	66568	157.00	54
45.00	677	69.00	6019	96.00	4500	173.00	54
46.00	64	70.00	441	97.00	52	174.00	44904
47.00	1465	72.00	217	104.00	275	175.00	3637
48.00	466	73.00	2847	105.00	140	176.00	44656
49.00	2183	74.00	8631	106.00	276	177.00	2596
50.00	12674	75.00	26936	116.00	115	178.00	51
51.00	3456	76.00	2237	117.00	148	211.00	151
52.00	281	77.00	614	118.00	86	220.00	59
55.00	240	78.00	244	119.00	357	233.00	159
56.00	726	79.00	1289	128.00	103	281.00	75
57.00	1700	80.00	249	129.00	124	525.00	55
59.00	107	81.00	1275	130.00	135		
60.00	371	82.00	209	139.00	54		
61.00	2317	86.00	53	140.00	73		

170456

GCAL, Inc.

Data file : /var/chem/msv5.i/2080610.b/h4724.d
Lab Smp Id: 1400 Client Smp ID: V5APP9050
Inj Date : 10-JUN-2008 07:43
Operator : EGW Inst ID: msv5.i
Smp Info : 1400*V5APP9050
Misc Info : MSV~13454~*1*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 10-Jun-2008 09:09 egw Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.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/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
10 Ethyl Ether	59	3.207	3.207	(0.450)	637617	250.000	246	9756
16 Allyl chloride	39	4.098	4.098	(0.575)	162915	50.0000	50.4	9176
25 Isopropyl Ether	45	5.120	5.120	(0.718)	572478	50.0000	47.5	9476
26 Chloroprene	53	5.208	5.208	(0.730)	201661	50.0000	49.3	8929
38 Tetrahydrofuran	42	6.316	6.316	(0.886)	466661	250.000	226	8663
37 Ethyl Acetate	43	6.294	6.294	(0.883)	1135353	250.000	238	4433
46 Propionitrile	54	6.773	6.773	(0.950)	171048	250.000	228	8598
47 Methacrylonitrile	41	6.784	6.784	(0.951)	168669	50.0000	44.9	8757
* 52 FLUOROBENZENE	96	7.132	7.132	(1.000)	592063	50.0000		
50 Isobutyl Alcohol	43	6.968	6.968	(0.977)	55008	250.000	178	9417
58 2-3 Dichloro-1-Proprene	75	7.762	7.762	(1.088)	289742	50.0000	51.5	9515
56 n-Butanol	56	7.610	7.610	(1.067)	36449	250.000	188	9186
74 Ethyl Methacrylate	41	9.087	9.087	(0.916)	234854	50.0000	45.2	7186
63 1,4- Dioxane	58	8.034	8.034	(1.126)	46184	1250.00	1080	8875

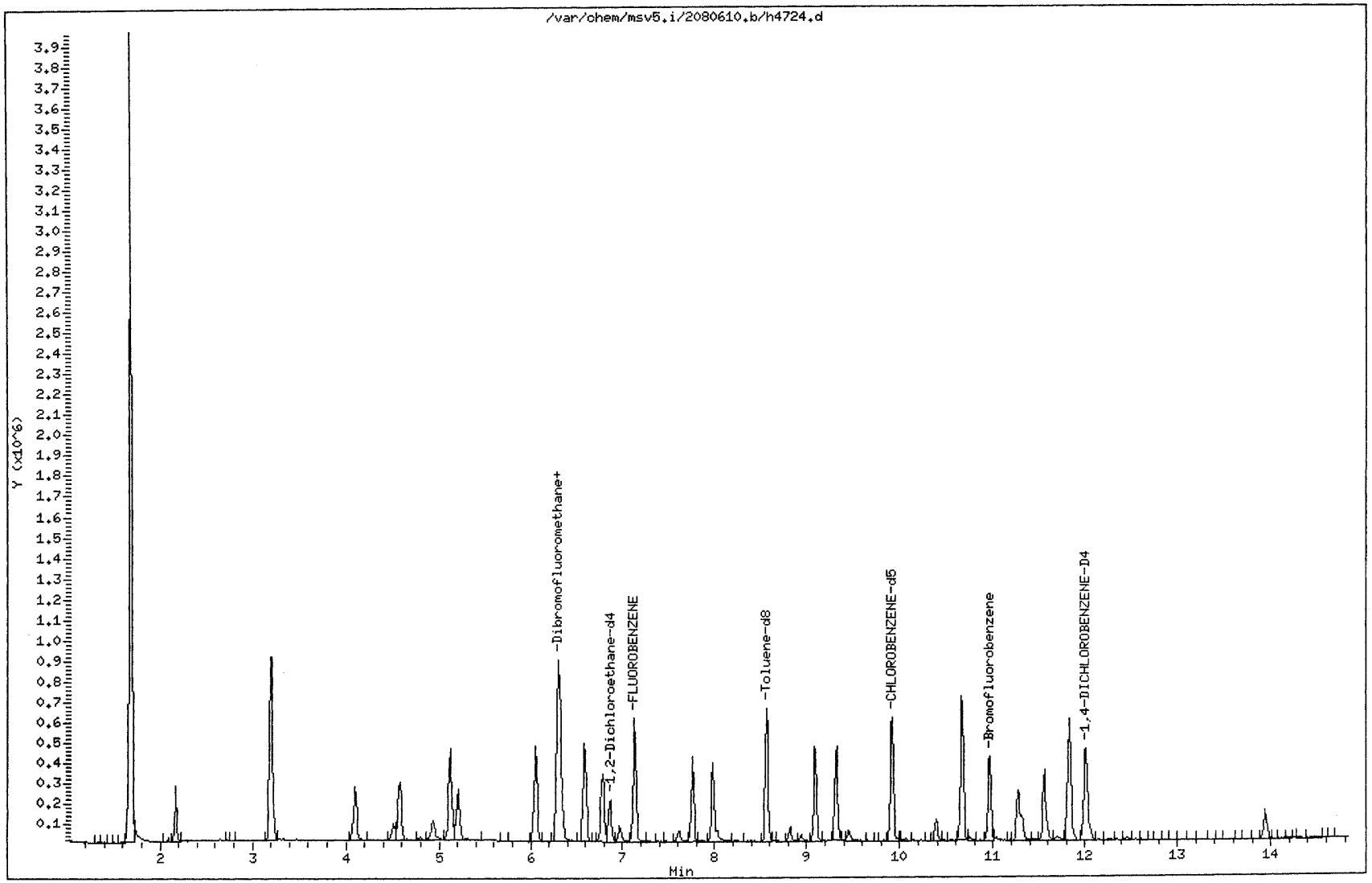
170457

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	70 2-nitropropane	43	8.827	8.827	(1.238)	56954	50.0000	43.0	9030
	62 Methyl Methacrylate	69	7.979	7.979	(1.119)	162388	50.0000	45.6	7984
	78 1-nitropropane	43	9.457	9.457	(1.326)	40915	50.0000	41.9	8407
*	83 CHLOROBENZENE-d5	82	9.924	9.924	(1.000)	265726	50.0000		
	92 1,5 Cyclooctadiene	67	10.663	10.663	(1.495)	284095	50.0000	49.2	9394
	102 Cyclohexanone	55	11.315	11.315	(1.140)	72435	100.000	79.4	9212
	105 Pentachloroethane	167	11.565	11.565	(0.964)	88067	50.0000	55.0	9627
*	111 1,4-DICHLOROBENZENE-D4	152	12.001	12.001	(1.000)	185367	50.0000		
	121 Benzal Chloride	125	13.944	13.944	(1.162)	112037	100.000	88.1	9011
$	39 Dibromofluoromethane	111	6.338	6.338	(0.889)	156196	50.0000	49.0	6275
$	48 1,2-Dichloroethane-d4	67	6.860	6.860	(0.962)	86941	50.0000	49.1	
$	67 Toluene-d8	98	8.566	8.566	(0.863)	493733	50.0000	48.7	
$	94 Bromofluorobenzene	174	10.967	10.967	(1.105)	147480	50.0000	48.8	

170458

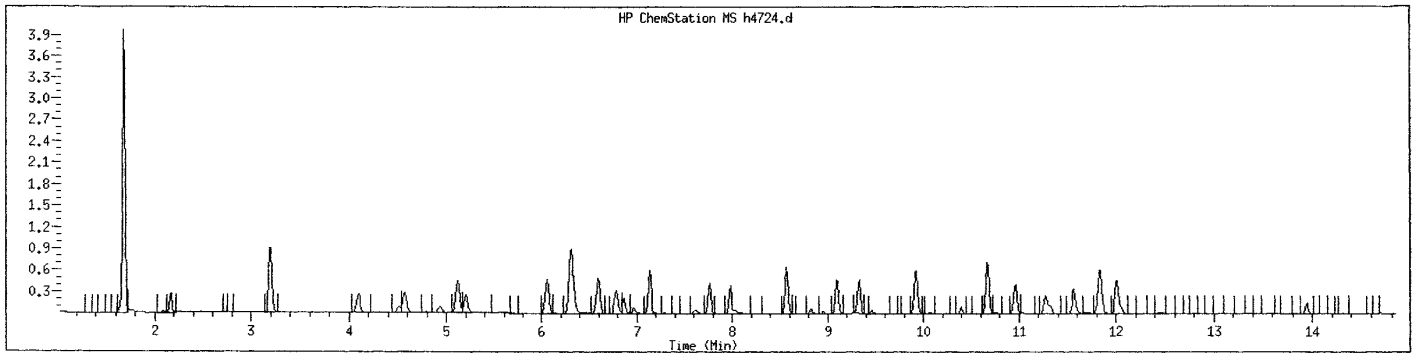
Data File: /var/chem/msv5.i/2080610.b/h4724.d
Date : 10-JUN-2008 07:43
Client ID: V5APP9050
Sample Info: 1400*V5APP9050
Purge Volume: 5.0
Column phase: DB-VRX-30M

Instrument: msv5.i
Operator: EGW
Column diameter: 0.53



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/10/2008 07:43	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 1400*V5APP9050		
Misc Info	: MSV~13454~*1*EGW		
Method	: /var/chem/msv5.i/2080610.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: APP9



NO MANUAL INTEGRATIONS

170460

Data File: /var/chem/msv5.i/2080610.b/h4728.d
Report Date: 10-Jun-2008 17:06

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv5.i
Lab File ID: h4728.d
Analysis Type: WATER
Lab Sample ID: 1400
Method: /var/chem/msv5.i/2080610.b/8260Bw5.m

Injection Date: 10-JUN-2008 09:21
Init. Cal. Date(s): 06-JUN-2008 08-JUN-2008
Init. Cal. Times: 16:30 23:19
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dichlorodifluoromethane	0.32864	0.34220	0.34220	0.050	4.12522	40.00000	Averaged
2 Chloromethane ++	0.53282	0.46083	0.46083	0.050	-13.51118	30.00000	Averaged
3 Vinyl Chloride +	0.36931	0.35905	0.35905	0.050	-2.77810	20.00000	Averaged
5 Bromomethane	34.66401	50.00000	0.11711	0.050	-30.67198	40.00000	Linear
8 Chloroethane	57.05630	50.00000	0.17050	0.050	14.11261	40.00000	Linear
9 Trichlorofluoromethane	54.83778	50.00000	0.26007	0.050	9.67555	30.00000	Linear
11 1,1-Dichloroethene +	0.17966	0.18482	0.18482	0.050	2.87514	20.00000	Averaged
12 Carbon Disulfide	0.67113	0.70844	0.70844	0.050	5.55986	30.00000	Averaged
13 1,1,2Trichlotrifluoroethane	53.63976	50.00000	0.19390	0.050	7.27953	30.00000	Linear
14 Methyl Iodide	37.53288	50.00000	0.19677	0.050	-24.93424	30.00000	Linear
15 Acrolein	0.03802	0.03079	0.03079	0.010	-18.99539	40.00000	Averaged
17 Methylene Chloride	0.37213	0.36575	0.36575	0.050	-1.71299	30.00000	Averaged
18 Acetone	57.06299	50.00000	0.15023	0.050	14.12599	40.00000	Linear
19 trans-1,2-Dichloroethene	53.16897	50.00000	0.31798	0.050	6.33795	30.00000	Linear
20 Methyl Acetate	0.29019	0.30334	0.30334	0.050	4.53039	30.00000	Averaged
21 Hexane	0.35956	0.37259	0.37259	0.050	3.62275	30.00000	Averaged
22 MTBE	55.80760	50.00000	0.59812	0.050	11.61520	30.00000	Linear
27 1,1-Dichloroethane ++	0.43374	0.42077	0.42077	0.050	-2.99118	30.00000	Averaged
29 Acrylonitrile	0.13129	0.12801	0.12801	0.050	-2.49721	40.00000	Averaged
30 Vinyl Acetate	64.96885	50.00000	0.73237	0.050	29.93769	40.00000	Quadratic
M 61 Total 1,2-Dichloroethene	109	100	0.36258	0.050	8.77185	30.00000	Linear
31 cis-1,2-Dichloroethene	55.60287	50.00000	0.40719	0.050	11.20575	30.00000	Linear
32 2,2-Dichloropropane	56.87730	50.00000	0.31557	0.050	13.75461	30.00000	Linear
34 Cyclohexane	0.52697	0.54825	0.54825	0.050	4.03770	30.00000	Averaged
33 Bromochloromethane	0.13319	0.14061	0.14061	0.050	5.57559	30.00000	Averaged
35 Chloroform +	0.43216	0.43504	0.43504	0.050	0.66716	20.00000	Averaged
36 Carbon Tetrachloride	53.91231	50.00000	0.22574	0.050	7.82461	30.00000	Linear
$ 39 Dibromofluoromethane	0.26903	0.26844	0.26844	0.050	-0.22067	30.00000	Averaged
40 1,1,1-Trichloroethane	52.22939	50.00000	0.27733	0.050	4.45878	30.00000	Linear
42 2-Butanone	57.90669	50.00000	0.31246	0.050	15.81339	40.00000	Linear
43 1,1-Dichloropropene	0.35900	0.36471	0.36471	0.050	1.58975	30.00000	Averaged
45 Benzene	54.42666	50.00000	1.11594	0.050	8.85331	30.00000	Linear
$ 48 1,2-Dichloroethane-d4	0.14941	0.13107	0.13107	0.050	-12.27230	30.00000	Averaged
49 1,2-Dichloroethane	0.33471	0.33642	0.33642	0.050	0.51212	30.00000	Averaged
53 Methyl Cyclohexane	54.74288	50.00000	0.44725	0.050	9.48576	30.00000	Linear

170461

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv5.i Injection Date: 10-JUN-2008 09:21
Lab File ID: h4728.d Init. Cal. Date(s): 06-JUN-2008 08-JUN-2008
Analysis Type: WATER Init. Cal. Times: 16:30 23:19
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv5.i/2080610.b/8260Bw5.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
54 Trichloroethene	50.20773	50.00000	0.24657	0.050	0.41547	30.00000	Linear
57 Dibromomethane	53.69746	50.00000	0.21418	0.050	7.39492	30.00000	Linear
59 1,2-Dichloropropane +	0.36743	0.36379	0.36379	0.050	-0.99002	20.00000	Averaged
60 Bromodichloromethane	55.77688	50.00000	0.38959	0.050	11.55376	30.00000	Linear
64 1-Bromo-2-chloroethane	0.65750	0.67168	0.67168	0.050	2.15598	30.00000	Averaged
65 2-Chloroethyl vinyl ether	0.27769	0.29632	0.29632	0.050	6.70902	30.00000	Averaged
66 cis-1,3-Dichloropropene	0.47074	0.52814	0.52814	0.050	12.19312	30.00000	Averaged
M 6 1-3 Dichloropropene-Total	0.44106	0.48385	0.48385	0.050	9.70140	30.00000	Averaged
$ 67 Toluene-d8	1.90960	1.80316	1.80316	0.050	-5.57417	30.00000	Averaged
69 Toluene +	52.63834	50.00000	2.44803	0.050	5.27669	20.00000	Linear
71 4-methyl-2-pentanone	0.52452	0.56890	0.56890	0.050	8.46110	40.00000	Averaged
72 Tetrachloroethene	0.36649	0.38835	0.38835	0.050	5.96480	30.00000	Averaged
73 trans-1,3-Dichloropropene	0.93497	0.95749	0.95749	0.050	2.40851	30.00000	Averaged
75 1,1,2-Trichloroethane	0.58468	0.60173	0.60173	0.050	2.91635	30.00000	Averaged
76 Dibromochloromethane	0.62533	0.62077	0.62077	0.050	-0.72903	30.00000	Averaged
77 1,3-Dichloropropane	1.09376	1.10891	1.10891	0.050	1.38523	30.00000	Averaged
79 1,2-Dibromoethane(EDB)	0.65163	0.67298	0.67298	0.050	3.27649	30.00000	Averaged
80 2-Hexanone	0.91237	0.94488	0.94488	0.050	3.56376	40.00000	Averaged
82 1-Chlorohexane	0.90518	0.82711	0.82711	0.050	-8.62487	30.00000	Averaged
84 Chlorobenzene ++	1.51476	1.46210	1.46210	0.050	-3.47633	30.00000	Averaged
85 Ethylbenzene +	53.46014	50.00000	0.80258	0.050	6.92029	20.00000	Linear
86 1,1,1,2-Tetrachloroethane	0.48959	0.47055	0.47055	0.050	-3.88739	30.00000	Averaged
87 p,m-Xylene	0.93734	0.94790	0.94790	0.050	1.12660	30.00000	Averaged
89 o-Xylene	0.96396	0.95901	0.95901	0.050	-0.51389	30.00000	Averaged
90 Styrene	1.71739	1.76173	1.76173	0.050	2.58182	30.00000	Averaged
91 Bromoform ++	0.36526	0.39538	0.39538	0.050	8.24700	30.00000	Averaged
93 Isopropylbenzene	2.23811	2.24546	2.24546	0.050	0.32805	30.00000	Averaged
$ 94 Bromofluorobenzene	0.56899	0.55197	0.55197	0.050	-2.99200	30.00000	Averaged
95 n-Propylbenzene	4.20408	4.46228	4.46228	0.050	6.14158	30.00000	Averaged
96 Bromobenzene	1.69714	1.79810	1.79810	0.050	5.94854	30.00000	Averaged
97 1,1,2,2-Tetrachloroethane++	1.31456	1.42751	1.42751	0.050	8.59213	30.00000	Averaged
98 2-Chlorotoluene	2.70899	2.83374	2.83374	0.050	4.60517	30.00000	Averaged
99 1,3,5-Trimethylbenzene	2.54351	2.67957	2.67957	0.050	5.34953	30.00000	Averaged
100 1,2,3-Trichloropropane	1.54092	1.68112	1.68112	0.050	9.09861	30.00000	Averaged
101 trans-1,4-Dichloro-2-Butene	0.40369	0.47168	0.47168	0.050	16.84054	40.00000	Averaged

170462

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv5.i
Lab File ID: h4728.d
Analysis Type: WATER
Lab Sample ID: 1400
Method: /var/chem/msv5.i/2080610.b/8260Bw5.m

Injection Date: 10-JUN-2008 09:21
Init. Cal. Date(s): 06-JUN-2008 08-JUN-2008
Init. Cal. Times: 16:30 23:19
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
103 4-Chlorotoluene	2.49487	2.52080	2.52080	0.050	1.03943	30.00000	Averaged
M 124 TOTAL XYLENE	0.94622	0.95161	0.95161	0.050	0.56952	30.00000	Averaged
104 tert-butylbenzene	1.47305	1.75392	1.75392	0.050	19.06733	30.00000	Averaged
106 1,2,4-Trimethylbenzene	2.64153	2.66307	2.66307	0.050	0.81541	30.00000	Averaged
107 sec-Butylbenzene	3.29552	3.40613	3.40613	0.050	3.35616	30.00000	Averaged
108 p-Isopropyltoluene	2.63251	2.61199	2.61199	0.050	-0.77921	30.00000	Averaged
110 1,3-Dichlorobenzene	1.35602	1.42592	1.42592	0.050	5.15486	30.00000	Averaged
112 1,4-Dichlorobenzene	1.54817	1.60518	1.60518	0.050	3.68245	30.00000	Averaged
115 n-Butylbenzene	2.66774	2.82758	2.82758	0.050	5.99136	30.00000	Averaged
116 1,2-Dichlorobenzene	1.32948	1.39659	1.39659	0.050	5.04810	30.00000	Averaged
120 1,2-Dibromo-3-Chloropropane	53.06771	50.00000	0.21614	0.050	6.13541	40.00000	Linear
122 Hexachlorobutadiene	0.27127	0.29298	0.29298	0.050	8.00242	30.00000	Averaged
123 1,2,4-Trichlorobenzene	0.78016	0.82529	0.82529	0.050	5.78468	30.00000	Averaged
125 Naphthalene	2.53771	2.71759	2.71759	0.050	7.08831	30.00000	Averaged
126 1,2,3-Trichlorobenzene	0.77168	0.77753	0.77753	0.050	0.75811	30.00000	Averaged

170463

GCAL, Inc.

Data file : /var/chem/msv5.i/2080610.b/h4728.d
Lab Smp Id: 1400 Client Smp ID: V5STD050
Inj Date : 10-JUN-2008 09:21
Operator : EGW Inst ID: msv5.i
Smp Info : 1400*V5STD050
Misc Info : MSV~13454~*1*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 10-Jun-2008 17:06 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 4 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	1.848	1.848	(0.259)	190531	50.0000	52.1	
2 Chloromethane ++	50	2.055	2.055	(0.288)	256584	50.0000	43.2	
3 Vinyl Chloride +	62	2.141	2.141	(0.300)	199911	50.0000	48.6	
5 Bromomethane	94	2.511	2.511	(0.352)	65207	50.0000	34.7	
8 Chloroethane	64	2.653	2.653	(0.372)	94929	50.0000	57.1	
9 Trichlorofluoromethane	101	2.816	2.816	(0.395)	144804	50.0000	54.8	
11 1,1-Dichloroethene +	96	3.436	3.436	(0.482)	102906	50.0000	51.4	
12 Carbon Disulfide	76	3.468	3.468	(0.486)	394448	50.0000	52.8	
13 1,1,2Trichlotrifluoroethane	101	3.501	3.501	(0.491)	107959	50.0000	53.6	
14 Methyl Iodide	142	3.621	3.621	(0.508)	109560	50.0000	37.5	
15 Acrolein	56	3.914	3.914	(0.549)	85728	250.000	203	
17 Methylene Chloride	49	4.241	4.241	(0.594)	203646	50.0000	49.1	
18 Acetone	43	4.339	4.339	(0.608)	83647	50.0000	57.1	
19 trans-1,2-Dichloroethene	61	4.458	4.458	(0.625)	177045	50.0000	53.2	

170464

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	20 Methyl Acetate	43	4.513	4.513	(0.633)	168895	50.0000	52.3	4525
	21 Hexane	57	4.578	4.578	(0.642)	207450	50.0000	51.8	9269(M2)
	22 MTBE	73	4.633	4.633	(0.649)	333025	50.0000	55.8	8907
	27 1,1-Dichloroethane ++	63	5.231	5.231	(0.733)	234276	50.0000	48.5	
	29 Acrylonitrile	53	5.307	5.307	(0.744)	356366	250.000	244	
	30 Vinyl Acetate	43	5.557	5.557	(0.779)	407772	50.0000	65.0	
M	61 Total 1,2-Dichloroethene	61				403759	100.000	109	
	31 cis-1,2-Dichloroethene	61	5.850	5.850	(0.820)	226714	50.0000	55.6	
	32 2,2-Dichloropropane	77	5.970	5.970	(0.837)	175703	50.0000	56.9	
	34 Cyclohexane	56	6.057	6.057	(0.849)	305257	50.0000	52.0	9150
	33 Bromochloromethane	128	6.068	6.068	(0.851)	78291	50.0000	52.8	
	35 Chloroform +	83	6.144	6.144	(0.861)	242224	50.0000	50.3	
	36 Carbon Tetrachloride	117	6.275	6.275	(0.880)	125687	50.0000	53.9	
$	39 Dibromofluoromethane	111	6.329	6.329	(0.887)	149461	50.0000	49.9	8560
	40 1,1,1-Trichloroethane	97	6.351	6.351	(0.890)	154413	50.0000	52.2	
	42 2-Butanone	43	6.482	6.482	(0.909)	173972	50.0000	57.9	
	43 1,1-Dichloropropene	75	6.482	6.482	(0.909)	203062	50.0000	50.8	
	45 Benzene	78	6.732	6.732	(0.944)	621339	50.0000	54.4	
$	48 1,2-Dichloroethane-d4	67	6.862	6.862	(0.962)	72980	50.0000	43.9	
	49 1,2-Dichloroethane	62	6.928	6.928	(0.971)	187315	50.0000	50.3	
*	52 FLUOROBENZENE	96	7.134	7.134	(1.000)	556783	50.0000		
	53 Methyl Cyclohexane	83	7.286	7.286	(1.021)	249020	50.0000	54.7	9731
	54 Trichloroethene	130	7.286	7.286	(1.021)	137284	50.0000	50.2	
	57 Dibromomethane	93	7.689	7.689	(1.078)	119249	50.0000	53.7	
	59 1,2-Dichloropropane +	63	7.787	7.787	(1.091)	202551	50.0000	49.5	
	60 Bromodichloromethane	83	7.841	7.841	(1.099)	216917	50.0000	55.8	
	64 1-Bromo-2-chloroethane	63	8.276	8.276	(1.160)	373980	50.0000	51.1	9515
	65 2-Chloroethyl vinyl ether	63	8.341	8.341	(1.169)	164984	50.0000	53.4	
	66 cis-1,3-Dichloropropene	75	8.406	8.406	(1.178)	294061	50.0000	56.1	
M	6 1-3 Dichloropropene-Total	100				538803	100.000	110	0
$	67 Toluene-d8	98	8.570	8.570	(0.864)	460903	50.0000	47.2	
	69 Toluene +	91	8.613	8.613	(0.868)	625738	50.0000	52.6	
	71 4-methyl-2-pentanone	43	8.939	8.939	(1.253)	316755	50.0000	54.2	
	72 Tetrachloroethene	164	8.950	8.950	(0.902)	99266	50.0000	53.0	
	73 trans-1,3-Dichloropropene	75	8.972	8.972	(0.905)	244742	50.0000	51.2	
	75 1,1,2-Trichloroethane	97	9.114	9.114	(0.919)	153807	50.0000	51.5	
	76 Dibromochloromethane	129	9.277	9.277	(0.935)	158674	50.0000	49.6	
	77 1,3-Dichloropropane	76	9.353	9.353	(0.943)	283447	50.0000	50.7	
	79 1,2-Dibromoethane(EDB)	107	9.494	9.494	(0.957)	172020	50.0000	51.6	
	80 2-Hexanone	43	9.658	9.658	(0.974)	241520	50.0000	51.8	
	82 1-Chlorohexane	91	9.897	9.897	(0.998)	211416	50.0000	45.7	8930
*	83 CHLOROBENZENE-d5	82	9.918	9.918	(1.000)	255609	50.0000		
	84 Chlorobenzene ++	112	9.940	9.940	(1.002)	373727	50.0000	48.3	
	85 Ethylbenzene +	106	9.940	9.940	(1.002)	205147	50.0000	53.5	
	86 1,1,1,2-Tetrachloroethane	133	9.984	9.984	(1.007)	120278	50.0000	48.1	
	87 p,m-Xylene	106	10.060	10.060	(1.014)	484586	100.000	101	
	89 o-Xylene	106	10.441	10.441	(1.053)	245131	50.0000	49.7	

170465

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	90 Styrene	104	10.485	10.485	(1.057)	450315	50.0000	51.3	
	91 Bromoform ++	173	10.528	10.528	(1.061)	101063	50.0000	54.1	
	93 Isopropylbenzene	105	10.702	10.702	(1.079)	573959	50.0000	50.2	
$	94 Bromofluorobenzene	174	10.963	10.963	(1.105)	141088	50.0000	48.5	
	95 n-Propylbenzene	91	11.062	11.062	(0.921)	821563	50.0000	53.1	
	96 Bromobenzene	77	11.062	11.062	(0.921)	331053	50.0000	53.0	
	97 1,1,2,2-Tetrachloroethane++	83	11.116	11.116	(0.926)	262823	50.0000	54.3	
	98 2-Chlorotoluene	91	11.214	11.214	(0.934)	521729	50.0000	52.3	
	99 1,3,5-Trimethylbenzene	105	11.214	11.214	(0.934)	493344	50.0000	52.7	
	100 1,2,3-Trichloropropane	75	11.269	11.269	(0.938)	309516	50.0000	54.5	
	101 trans-1,4-Dichloro-2-Butene	53	11.269	11.269	(0.938)	86842	50.0000	58.4	
	103 4-Chlorotoluene	91	11.367	11.367	(0.946)	464112	50.0000	50.5	
M	124 TOTAL XYLENE	106				729717	150.000	151	
	104 tert-butylbenzene	91	11.519	11.519	(0.959)	322920	50.0000	59.5	
	106 1,2,4-Trimethylbenzene	105	11.585	11.585	(0.965)	490306	50.0000	50.4	
	107 sec-Butylbenzene	105	11.694	11.694	(0.974)	627112	50.0000	51.7	
	108 p-Isopropyltoluene	119	11.814	11.814	(0.984)	480902	50.0000	49.6	
	110 1,3-Dichlorobenzene	146	11.934	11.934	(0.994)	262530	50.0000	52.6	
*	111 1,4-DICHLOROBENZENE-D4	152	12.010	12.010	(1.000)	184113	50.0000		
	112 1,4-Dichlorobenzene	146	12.021	12.021	(1.001)	295534	50.0000	51.8	
	115 n-Butylbenzene	91	12.249	12.249	(1.020)	520594	50.0000	53.0	
	116 1,2-Dichlorobenzene	146	12.489	12.489	(1.040)	257131	50.0000	52.5	
	120 1,2-Dibromo-3-Chloropropane	157	13.423	13.423	(1.118)	39795	50.0000	53.1	
	122 Hexachlorobutadiene	225	14.086	14.086	(1.173)	53941	50.0000	54.0	
	123 1,2,4-Trichlorobenzene	180	14.140	14.140	(1.177)	151946	50.0000	52.9	
	125 Naphthalene	128	14.478	14.478	(1.205)	500344	50.0000	53.5	
	126 1,2,3-Trichlorobenzene	180	14.663	14.663	(1.221)	143154	50.0000	50.4	

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

170466

Data File: /var/chem/msv5.i/2080610.b/h4728.d

Date : 10-JUN-2008 09:21

Client ID: V5STD050

Sample Info: 1400*V5STD050

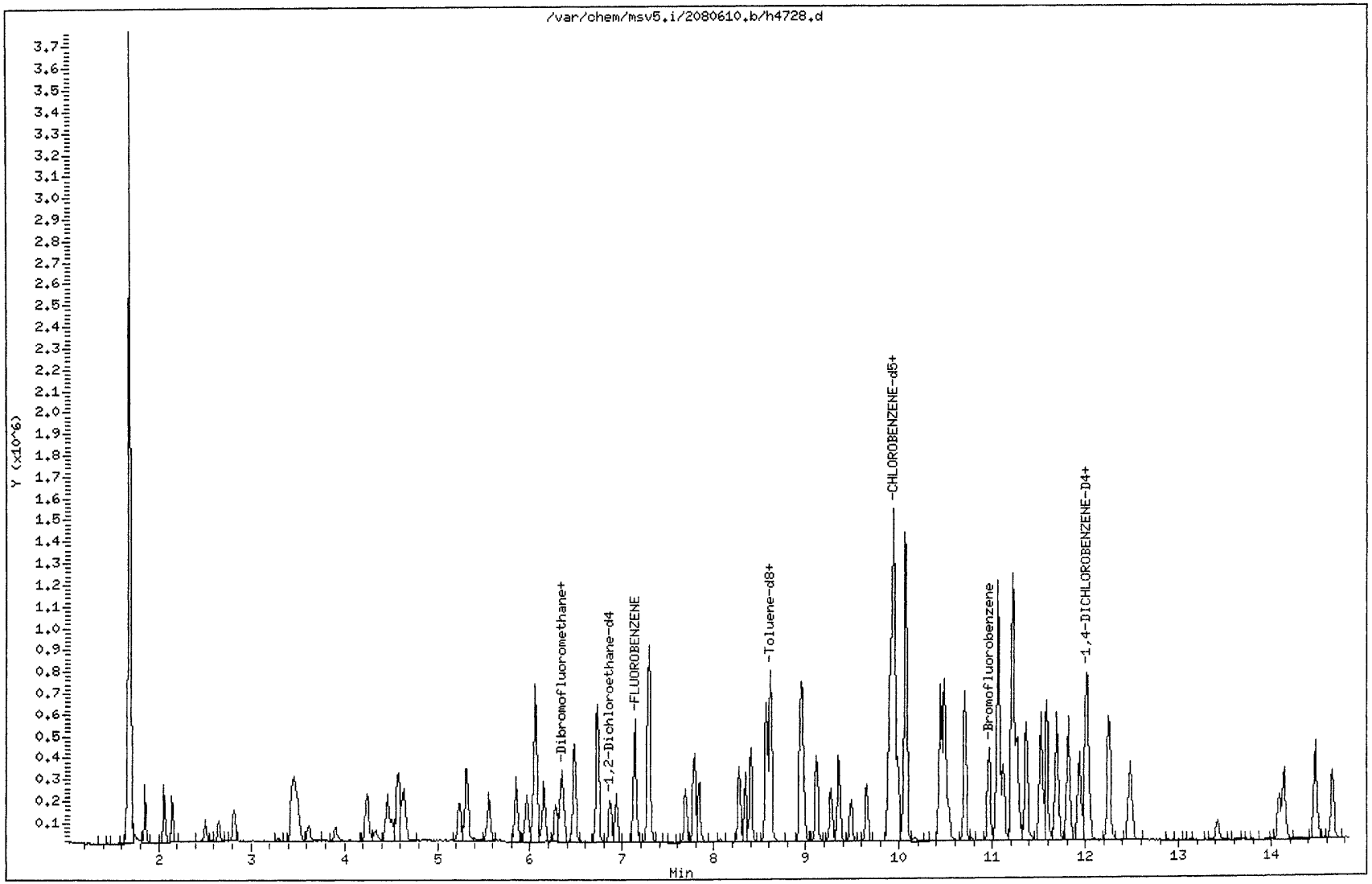
Purge Volume: 5.0

Column phase: DB-VRX-30M

Instrument: msv5.i

Operator: EGW

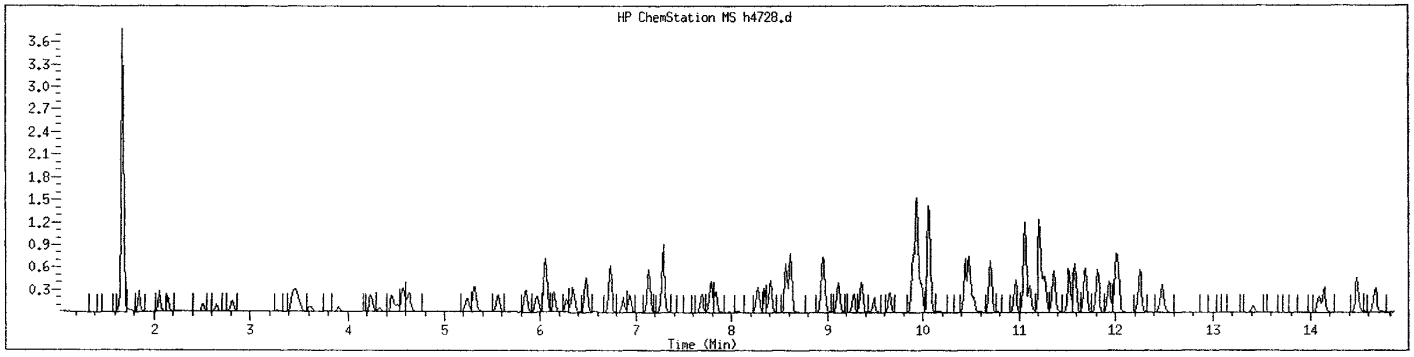
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080610.b/h4728.d
Report Date: 06/10/2008 17:06

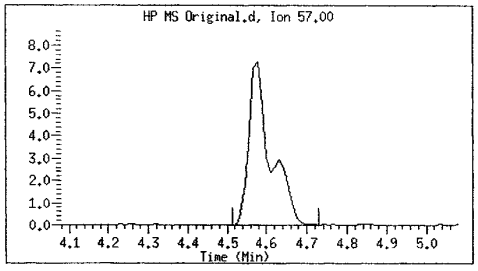
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/10/2008 09:21	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 1400*V5STD050		
Misc Info	: MSV~13454~*1*EGW		
Method	: /var/chem/msv5.i/2080610.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



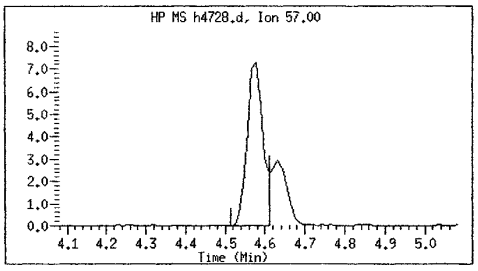
Original Final

21 Hexane CAS#: 110-54-3 Reason: M2



Electronic Signature Applied

User: egw
Date: 06/10/2008 10:39



M2 - Target system integrated incorrectly

170468

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB613073

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

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: 613073

Lab File ID: 2080610/x8874

Date Collected: Time:

Date Received:

Date Analyzed: 06/10/08 Time: 1336

Dilution Factor: 1 Analyst: JCK

Prep Batch: Analytical Batch: 375350

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	0.00169	J	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	0.00188	J	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.

MB613073

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

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

Lab Sample ID: 613073

Level: (low/med) LOW

Lab File ID: 2080610/x8874

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1336

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

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
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
110-82-7	Cyclohexane	0.00500	U	0.00111	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.

MB613073

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

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

Lab Sample ID: 613073

Level: (low/med) LOW

Lab File ID: 2080610/x8874

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1336

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

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
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

GCAL, Inc.

Data file : /var/chem/msv0.i/2080610.b/x8874.d
Lab Smp Id: 613073 Client Smp ID: MB
Inj Date : 10-JUN-2008 13:36
Operator : JCK Inst ID: msv0.i
Smp Info : 613073*MB
Misc Info : MSV~13461~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080610.b/8260Bs0.m
Meth Date : 10-Jun-2008 16:13 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 00:07 Cal File: x8806.d
Als bottle: 5 QC Sample: BLANK
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
18 Methylene Chloride	49	3.479	3.482	(0.543)	16782	1.88148	1.88	7538
38 Chloroform +	83	5.407	5.410	(0.843)	17040	1.68782	1.69	8272
$ 41 Dibromofluoromethane	111	5.605	5.608	(0.874)	289165	51.3141	51.3	5005
$ 47 1,2-Dichloroethane-d4	67	6.133	6.143	(0.957)	124442	49.0096	49.0	9535
* 49 FLUOROBENZENE	96	6.411	6.413	(1.000)	1133433	50.0000		9691
$ 67 Toluene-d8	98	7.863	7.866	(0.854)	1071161	50.6094	50.6	9635
* 85 Chlorobenzene-d5	82	9.203	9.206	(1.000)	492419	50.0000		2229
$ 98 Bromofluorobenzene	174	10.246	10.249	(1.113)	280103	52.3118	52.3	9602
* 115 1,4-DICHLOROBENZENE-D4	152	11.210	11.207	(1.000)	346459	50.0000		4220

170472

Data File: /var/chem/msv0.i/2080610.b/x8874.d

Date : 10-JUN-2008 13:36

Client ID: MB

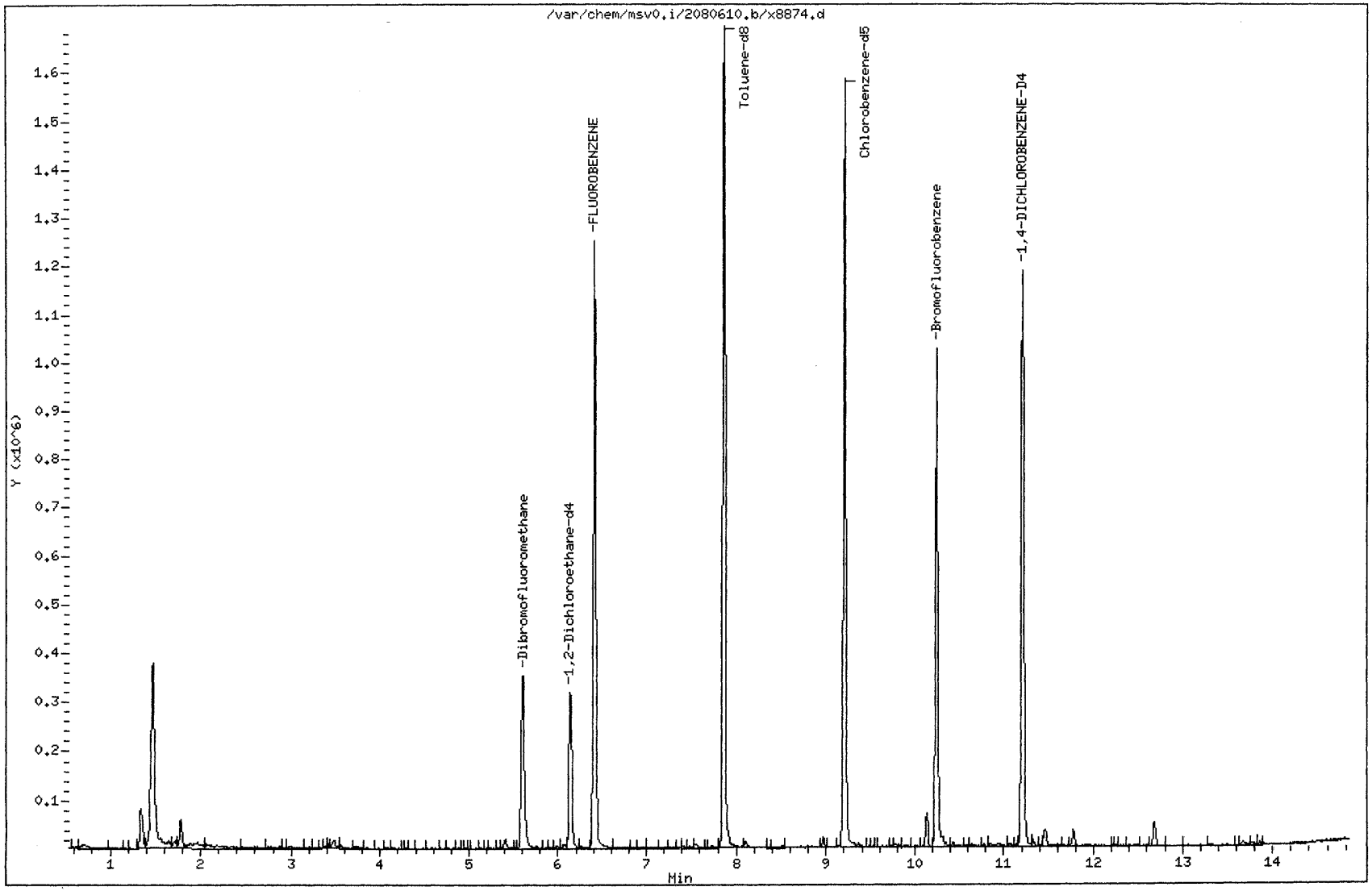
Sample Info: 613073*MB

Column phase: DB-624-30M

Instrument: msv0.i

Operator: JCK

Column diameter: 0.53



Data File: /var/chem/msv0.i/2080610.b/x8874.d

Date : 10-JUN-2008 13:36

Client ID: MB

Instrument: msv0.i

Sample Info: 613073*MB

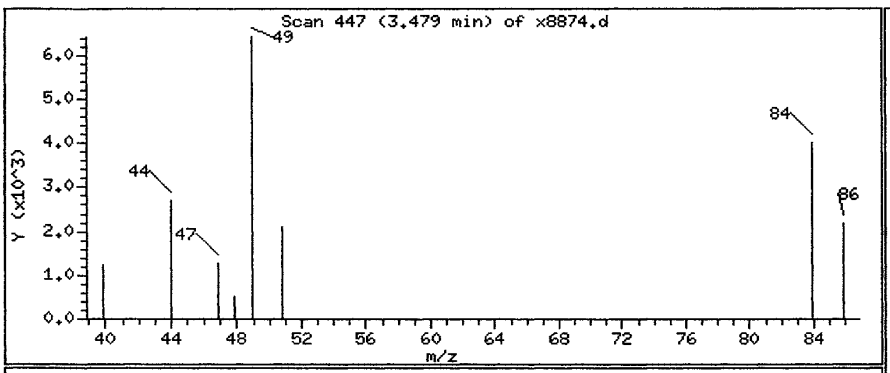
Operator: JCK

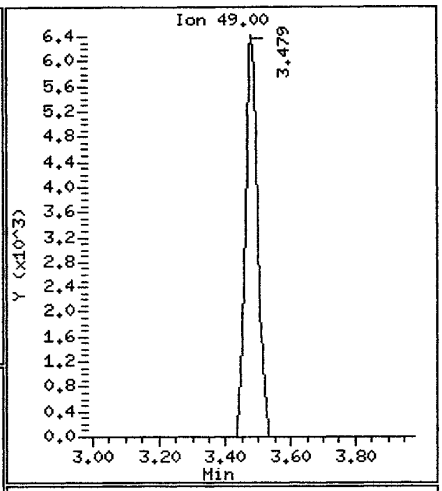
Column phase: DB-624-30M

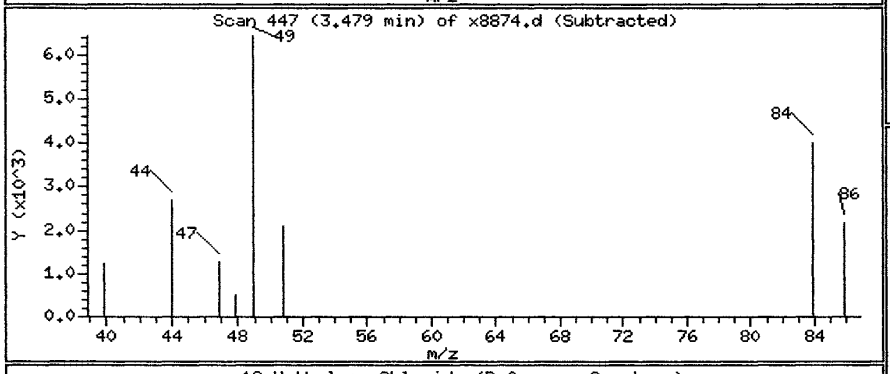
Column diameter: 0.53

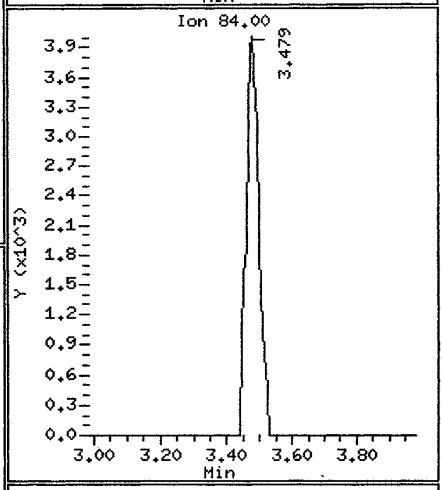
18 Methylene Chloride

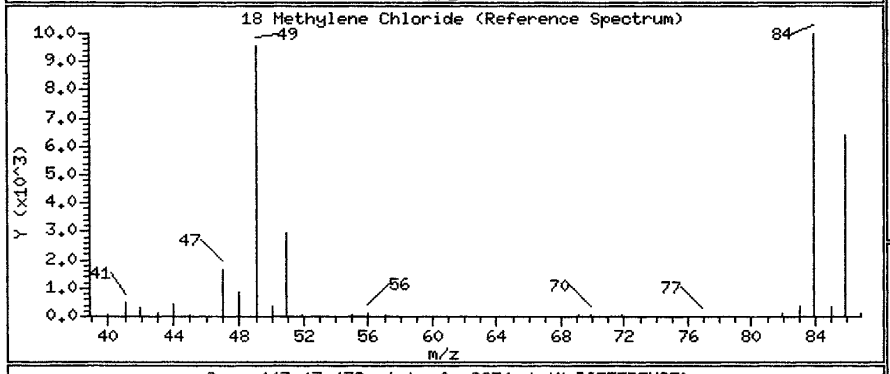
Concentration: 1.88 ug/Kg

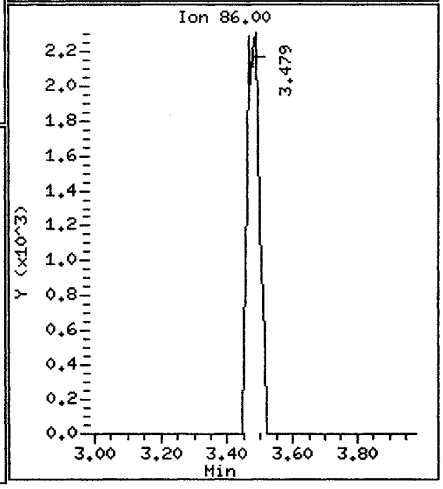


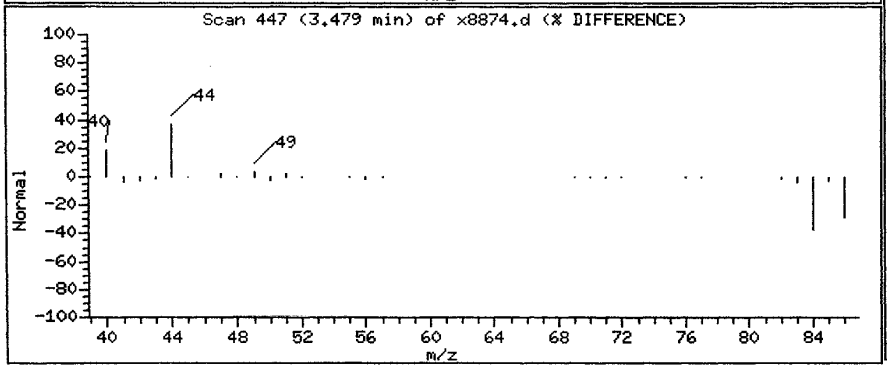












170474

Data File: /var/chem/msv0.i/2080610.b/x8874.d

Date : 10-JUN-2008 13:36

Client ID: MB

Instrument: msv0.i

Sample Info: 613073xMB

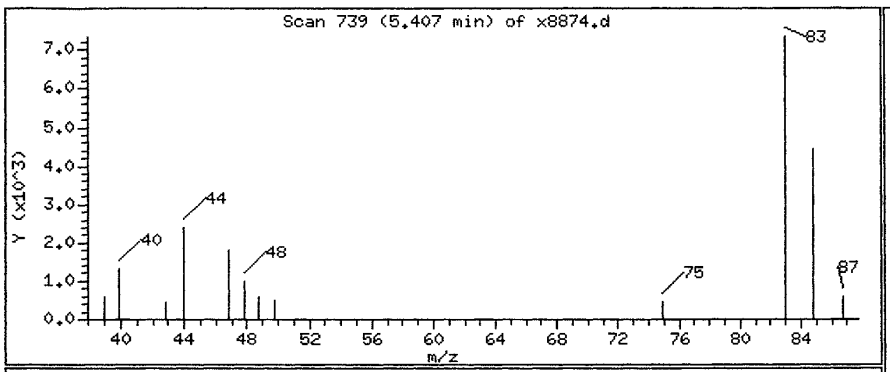
Operator: JCK

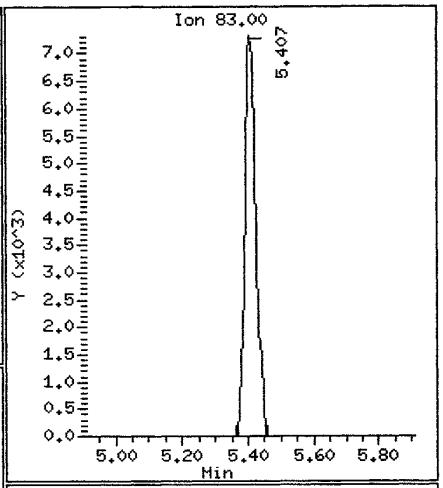
Column phase: DB-624-30M

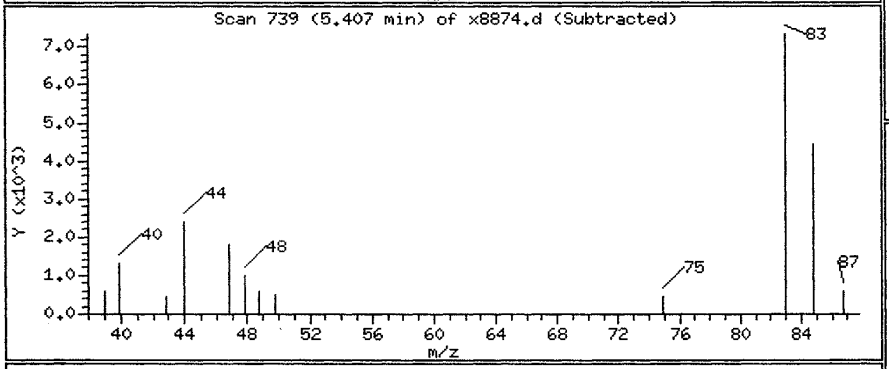
Column diameter: 0.53

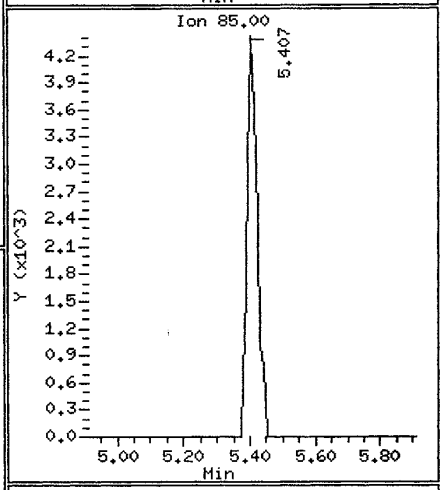
38 Chloroform +

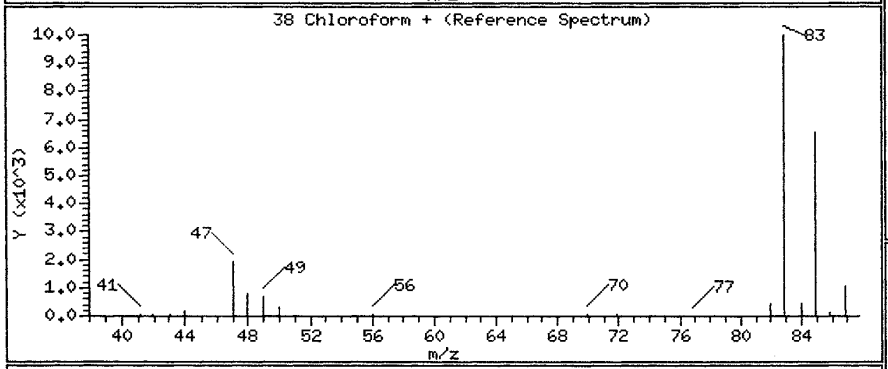
Concentration: 1.69 ug/Kg

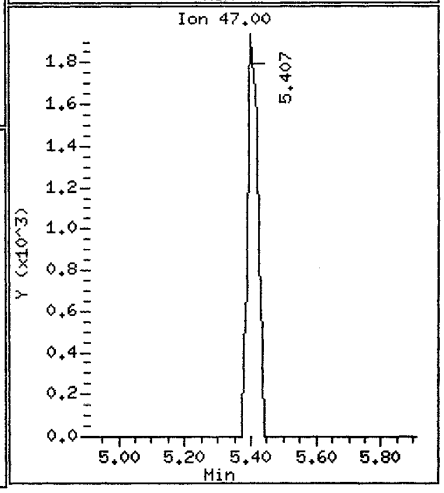


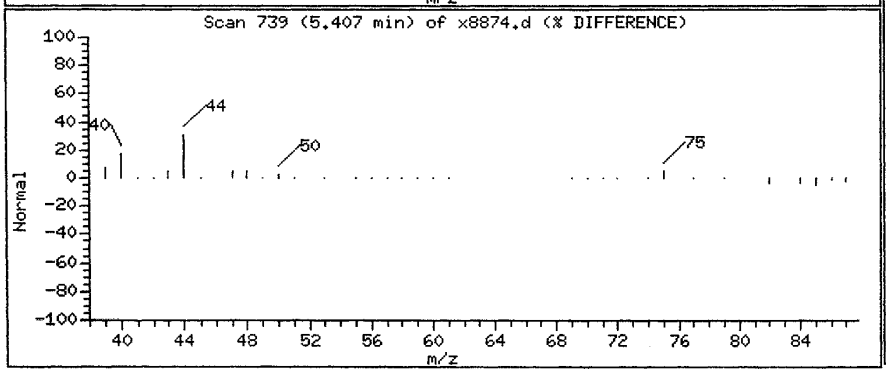






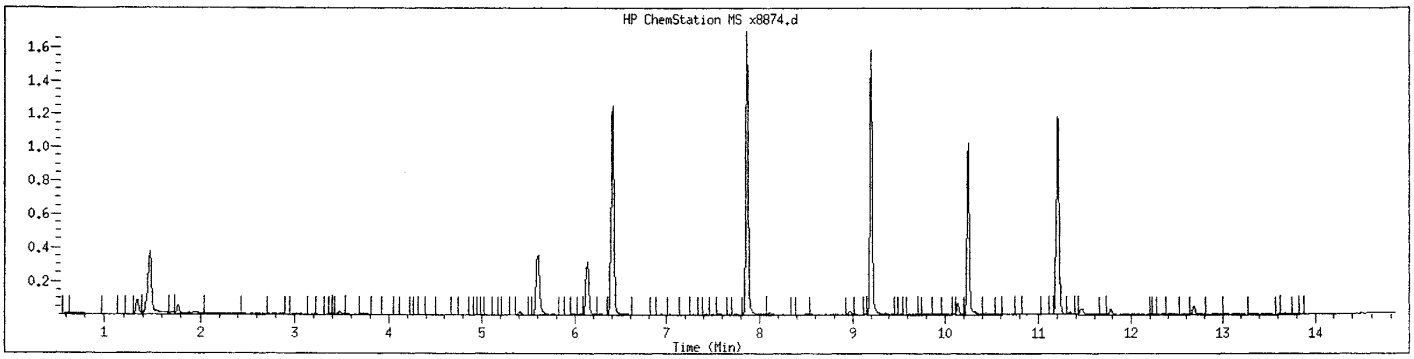






MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 613073	SampleType	: BLANK
Injection Date	: 06/10/2008 13:36	Instrument	: msv0.i
Operator	: JCK		
Sample Info	: 613073*MB		
Misc Info	: MSV~13461~*1*JCK		
Method	: /var/chem/msv0.i/2080610.b/8260Bs0.m		
Dilution	: 1.00		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

170476

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB612773

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 612773

Level: (low/med) LOW Lab File ID: 2080610/h4731

% Moisture: not dec. Date Collected: Time:

GC Column: DB-VRX-30 ID: .53 (mm) Date Received:

Instrument ID: MSV5 Date Analyzed: 06/10/08 Time: 1031

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375282

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	0.000468	J	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
75-34-3	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
127-18-4	Tetrachloroethene	0.00500	U	0.000080	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB612773

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 612773

Level: (low/med) LOW Lab File ID: 2080610/h4731

% Moisture: not dec. Date Collected: Time:

GC Column: DB-VRX-30 ID: .53 (mm) Date Received:

Instrument ID: MSV5 Date Analyzed: 06/10/08 Time: 1031

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375282

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
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
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
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB612773

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 612773

Level: (low/med) LOW Lab File ID: 2080610/h4731

% Moisture: not dec. Date Collected: Time:

GC Column: DB-VRX-30 ID: .53 (mm) Date Received:

Instrument ID: MSV5 Date Analyzed: 06/10/08 Time: 1031

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375282

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
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	0.000369	J	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/msv5.i/2080610.b/h4731.d
Lab Smp Id: 612773
Inj Date : 10-JUN-2008 10:31
Operator : EGW Inst ID: msv5.i
Smp Info : 612773*
Misc Info : MSV~13454~*1*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 13-Jun-2008 10:21 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.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)	FINAL (ug/L)	SIMILARITY
35 Chloroform +	83	6.152	6.144	(0.863)	2219	0.46796	0.468	
$ 39 Dibromofluoromethane	111	6.325	6.329	(0.887)	147765	50.0573	50.1	6190
$ 48 1,2-Dichloroethane-d4	67	6.858	6.862	(0.962)	79690	48.6093	48.6	
* 52 FLUOROBENZENE	96	7.129	7.134	(1.000)	548622	50.0000		
$ 67 Toluene-d8	98	8.563	8.570	(0.863)	463411	49.7230	49.7	
* 83 CHLOROBENZENE-d5	82	9.920	9.918	(1.000)	244026	50.0000		
$ 94 Bromofluorobenzene	174	10.963	10.963	(1.105)	143347	51.6198	51.6	
* 111 1,4-DICHLOROBENZENE-D4	152	12.006	12.010	(1.000)	172025	50.0000		
125 Naphthalene	128	14.482	14.478	(1.206)	3220	0.36880	0.369	

170480

Data File: /var/chem/msv5.i/2080610.b/h4731.d

Date : 10-JUN-2008 10:31

Client ID:

Instrument: msv5.i

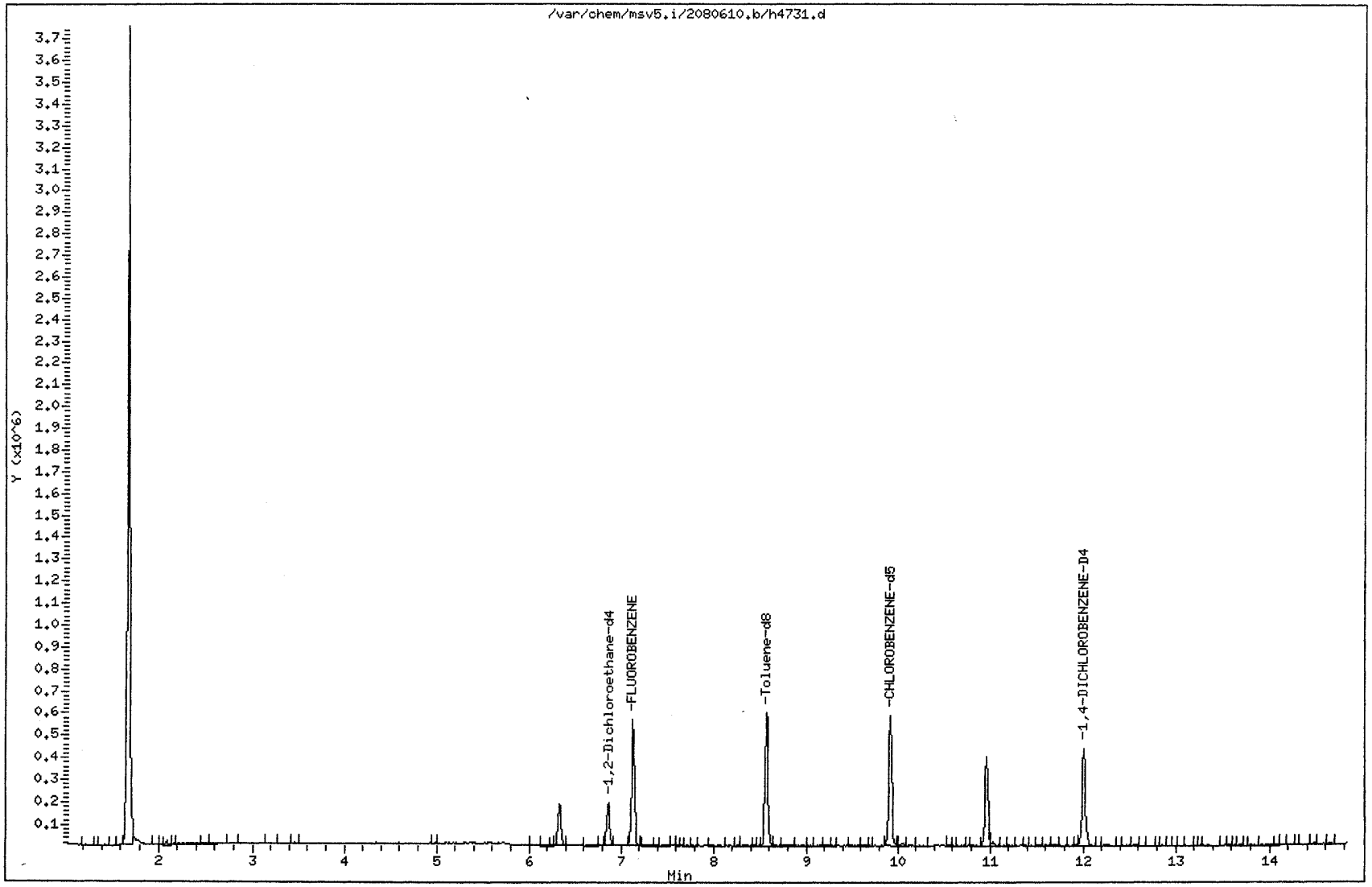
Sample Info: 612773*

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-30M

Column diameter: 0.53



Data File: /var/chem/msv5.i/2080610.b/h4731.d

Date : 10-JUN-2008 10:31

Client ID:

Instrument: msv5.i

Sample Info: 612773*

Purge Volume: 5.0

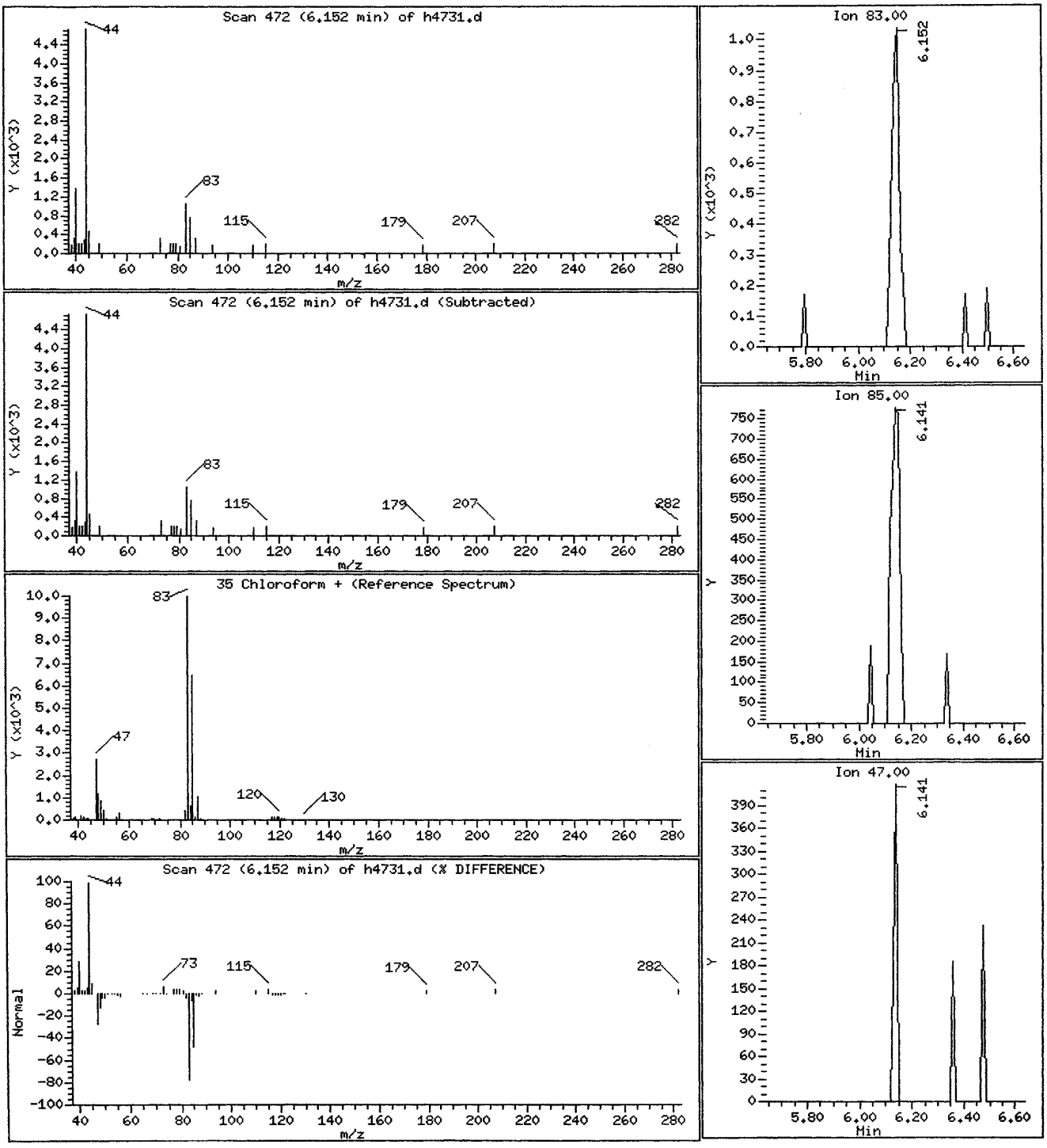
Operator: EGW

Column phase: DB-VRX-30M

Column diameter: 0.53

35 Chloroform +

Concentration: 0.468 ug/L



Data File: /var/chem/msv5.i/2080610.b/h4731.d

Date : 10-JUN-2008 10:31

Client ID:

Instrument: msv5.i

Sample Info: 612773*

Purge Volume: 5.0

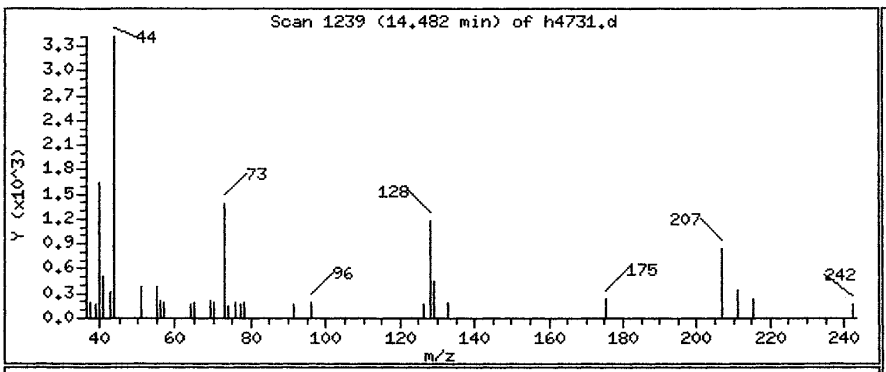
Operator: EGW

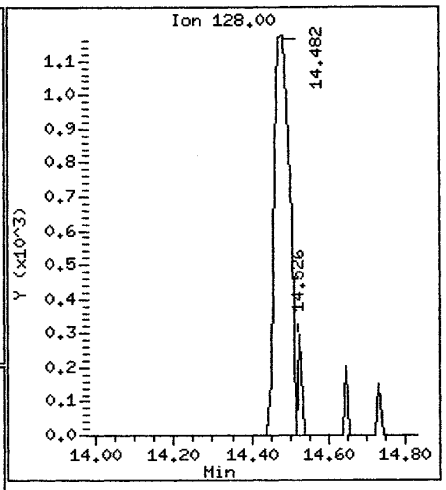
Column phase: DB-VRX-30M

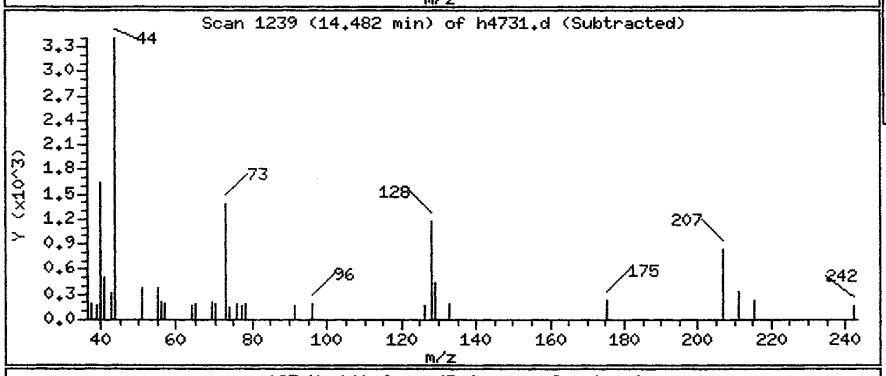
Column diameter: 0.53

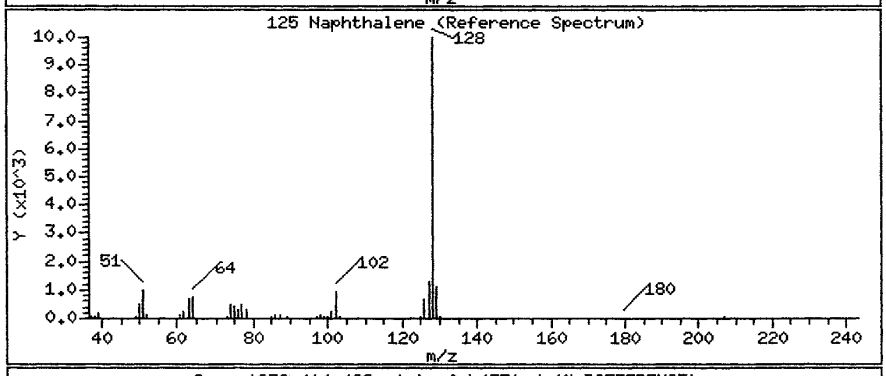
125 Naphthalene

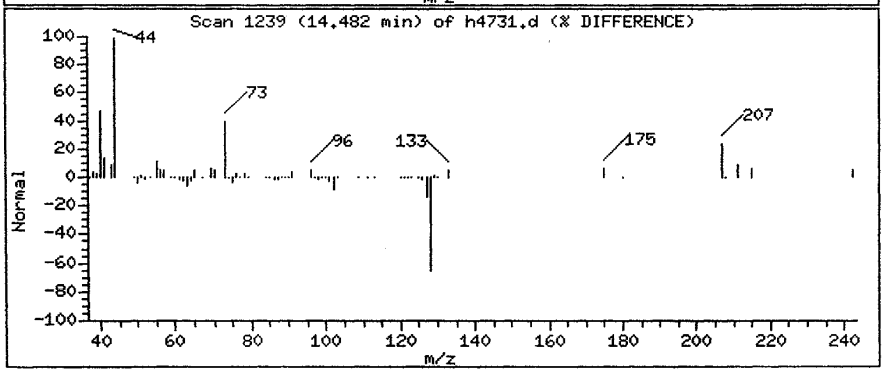
Concentration: 0.369 ug/L





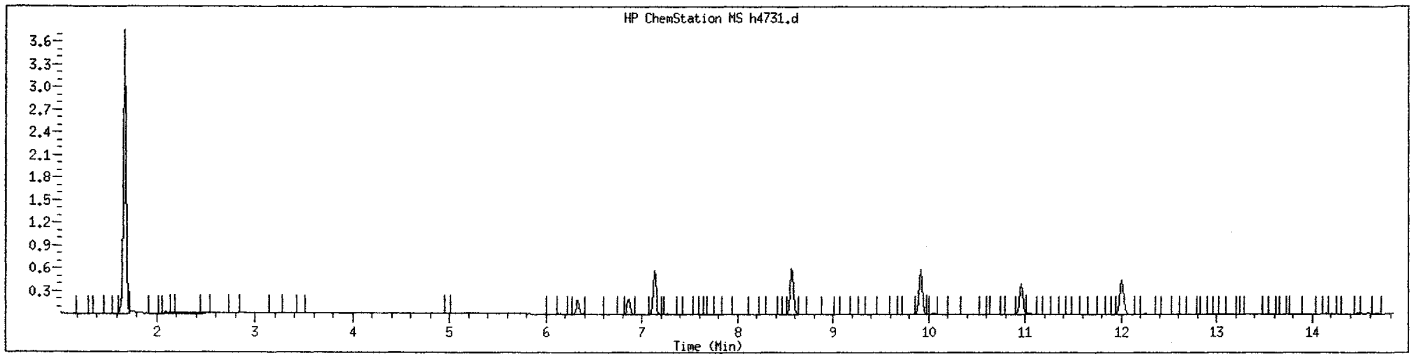






MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 612773	SampleType	: BLANK
Injection Date	: 06/10/2008 10:31	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 612773*		
Misc Info	: MSV~13454~*1*EGW		
Method	: /var/chem/msv5.i/2080610.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

170484

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB612834

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 612834

Level: (low/med) LOW Lab File ID: 2080610/h4730s

% Moisture: not dec. Date Collected: Time:

GC Column: DB-VRX-30 ID: .53 (mm) Date Received:

Instrument ID: MSV5 Date Analyzed: 06/10/08 Time: 1007

Soil Extract Volume: (µL) Dilution Factor: 50 Analyst: EGW

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375306

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	0.050	U	0.00984	0.050
71-36-3	n-Butyl alcohol	0.250	U	0.050	0.250

GCAL, Inc.

Data file : /var/chem/msv5.i/2080610.b/h4730s.d
Lab Smp Id: 612834
Inj Date : 10-JUN-2008 10:07
Operator : EGW Inst ID: msv5.i
Smp Info : 612834*
Misc Info : MSV~13460~*50*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 10-Jun-2008 17:08 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.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)	FINAL (UG/KG)	SIMILARITY
$ 39 Dibromofluoromethane	111	6.337	6.329	(0.889)	151344	48.7948	2440	6199
$ 48 1,2-Dichloroethane-d4	67	6.869	6.862	(0.963)	83051	48.2140	2410	
* 52 FLUOROBENZENE	96	7.130	7.134	(1.000)	576448	50.0000		
$ 67 Toluene-d8	98	8.574	8.570	(0.864)	468642	49.1872	2460	
* 83 CHLOROBENZENE-d5	82	9.921	9.918	(1.000)	249469	50.0000		
$ 94 Bromofluorobenzene	174	10.964	10.963	(1.105)	142364	50.1473	2510	
* 111 1,4-DICHLOROBENZENE-D4	152	12.007	12.010	(1.000)	178308	50.0000		

170486

Data File: /var/chem/msv5.i/2080610.b/h4730s.d

Date : 10-JUN-2008 10:07

Client ID:

Instrument: msv5.i

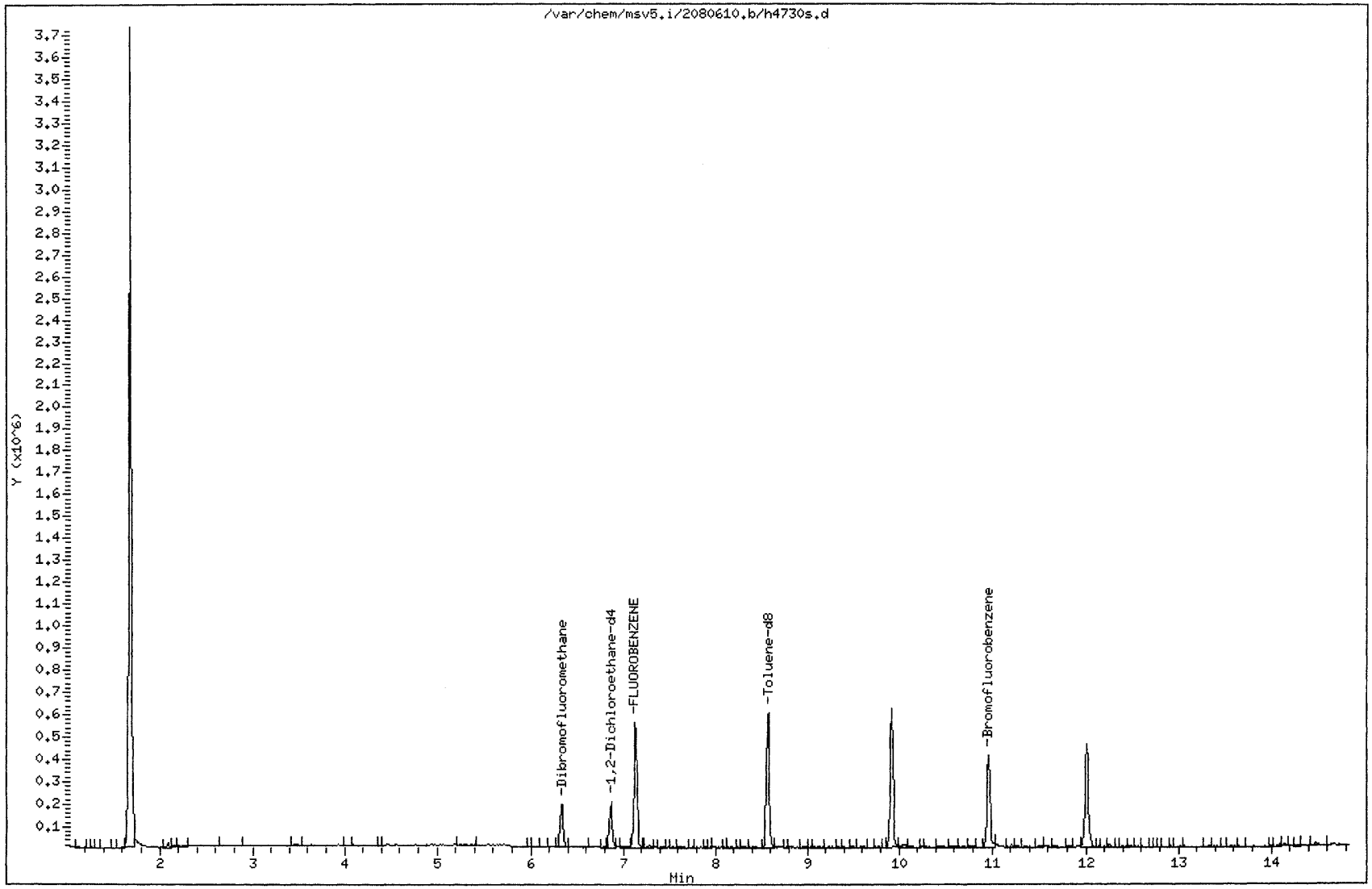
Sample Info: 612834x

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-30M

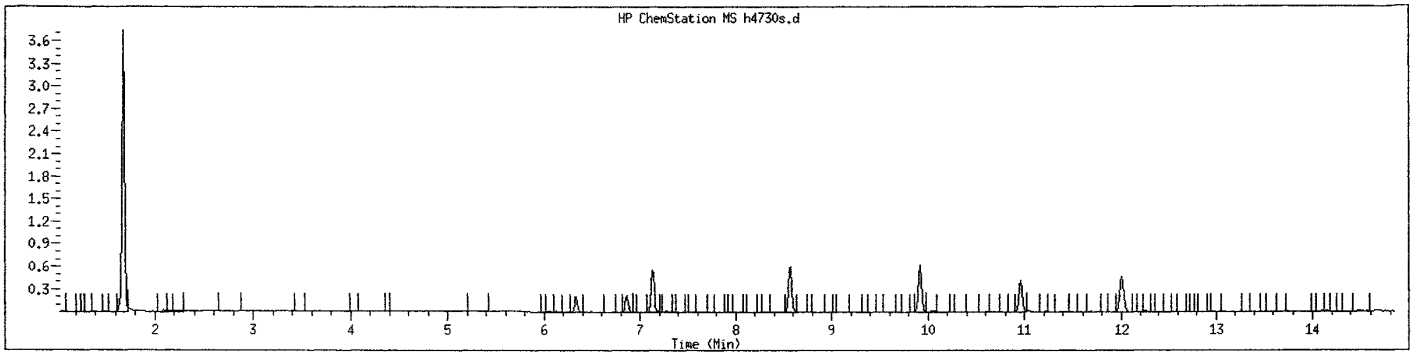
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080610.b/h4730s.d
Report Date: 06/10/2008 17:11

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 612834	SampleType	: BLANK
Injection Date	: 06/10/2008 10:07	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 612834*		
Misc Info	: MSV~13460~*50*EGW		
Method	: /var/chem/msv5.i/2080610.b/8260Bw5.m		
Dilution	: 50.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

170488

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS613074

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

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

Lab Sample ID: 613074

Level: (low/med) LOW

Lab File ID: 2080610/x8870

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1202

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.058		0.000374	0.025
107-02-8	Acrolein	0.250		0.00234	0.025
107-13-1	Acrylonitrile	0.264		0.000712	0.025
75-27-4	Bromodichloromethane	0.053		0.000135	0.00500
75-25-2	Bromoform	0.057		0.000169	0.00500
74-83-9	Bromomethane	0.069		0.00151	0.00500
75-15-0	Carbon disulfide	0.056		0.000109	0.00500
56-23-5	Carbon tetrachloride	0.053		0.000120	0.00500
75-00-3	Chloroethane	0.068		0.000606	0.00500
136777-61-	m,p-Xylene	0.108		0.000398	0.00500
67-66-3	Chloroform	0.049		0.000141	0.00500
74-87-3	Chloromethane	0.050		0.000464	0.00500
124-48-1	Dibromochloromethane	0.056		0.000090	0.00500
74-95-3	Dibromomethane	0.048		0.000156	0.00500
75-71-8	Dichlorodifluoromethane	0.062		0.000364	0.00500
75-34-3	1,1-Dichloroethane	0.053		0.000159	0.00500
107-06-2	1,2-Dichloroethane	0.049		0.000114	0.00500
156-59-2	cis-1,2-Dichloroethene	0.051		0.000126	0.00500
156-60-5	trans-1,2-Dichloroethene	0.054		0.000164	0.00500
75-09-2	Methylene chloride	0.047		0.000479	0.010
78-87-5	1,2-Dichloropropane	0.053		0.000112	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.055		0.000115	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.055		0.000141	0.00500
100-41-4	Ethylbenzene	0.054		0.000207	0.00500
591-78-6	2-Hexanone	0.045		0.000826	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.054		0.000153	0.00500
78-93-3	2-Butanone	0.051		0.000312	0.00500
74-88-4	Methyl iodide	0.068		0.000906	0.00500
108-10-1	4-Methyl-2-pentanone	0.047		0.000173	0.00500
103-65-1	n-Propylbenzene	0.051		0.000140	0.00500
100-42-5	Styrene	0.054		0.000152	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS613074

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 613074

Level: (low/med) LOW Lab File ID: 2080610/x8870

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 06/10/08 Time: 1202

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.056		0.000192	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.052		0.000176	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.051		0.000180	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.058		0.000327	0.00500
71-55-6	1,1,1-Trichloroethane	0.054		0.000123	0.00500
79-00-5	1,1,2-Trichloroethane	0.053		0.000114	0.00500
75-69-4	Trichlorofluoromethane	0.064		0.000252	0.00500
96-18-4	1,2,3-Trichloropropane	0.053		0.000245	0.00200
95-63-6	1,2,4-Trimethylbenzene	0.050		0.000198	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.051		0.000163	0.00500
75-01-4	Vinyl chloride	0.055		0.000351	0.00500
95-47-6	o-Xylene	0.054		0.000174	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.052		0.000866	0.00500
106-93-4	1,2-Dibromoethane	0.054		0.000150	0.00500
108-05-4	Vinyl acetate	0.057		0.000979	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.046		0.000074	0.00500
99-87-6	4-Isopropyltoluene	0.052		0.000161	0.00500
1330-20-7	Xylene (total)	0.161		0.000572	0.010
108-87-2	Methylcyclohexane	0.055		0.000370	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.052		0.000721	0.00500
110-82-7	Cyclohexane	0.053		0.00111	0.00500
594-20-7	2,2-Dichloropropane	0.052		0.000176	0.00500
79-20-9	Methyl Acetate	0.042		0.00153	0.00500
76-13-1	Trichlorotrifluoroethane	0.056		0.000188	0.00500
563-58-6	1,1-Dichloropropene	0.054		0.000130	0.00500
142-28-9	1,3-Dichloropropane	0.053		0.000136	0.00500
108-86-1	Bromobenzene	0.049		0.000235	0.00500
95-49-8	2-Chlorotoluene	0.050		0.000150	0.00500
106-43-4	4-Chlorotoluene	0.050		0.000325	0.00500
98-06-6	tert-Butylbenzene	0.050		0.000252	0.00500
135-98-8	sec-Butylbenzene	0.050		0.000117	0.00500
541-73-1	1,3-Dichlorobenzene	0.053		0.000236	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS613074

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 613074

Level: (low/med) LOW Lab File ID: 2080610/x8870

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 06/10/08 Time: 1202

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
106-46-7	1,4-Dichlorobenzene	0.051		0.000421	0.00500
104-51-8	n-Butylbenzene	0.053		0.000178	0.00500
95-50-1	1,2-Dichlorobenzene	0.052		0.000114	0.00500
87-68-3	Hexachlorobutadiene	0.054		0.00125	0.00500
91-20-3	Naphthalene	0.049		0.000376	0.00500
75-35-4	1,1-Dichloroethene	0.058		0.000359	0.00500
71-43-2	Benzene	0.053		0.000104	0.00500
79-01-6	Trichloroethene	0.056		0.000177	0.00500
108-88-3	Toluene	0.050		0.000550	0.00500
108-90-7	Chlorobenzene	0.053		0.000165	0.00500

GCAL, Inc.

Data file : /var/chem/msv0.i/2080610.b/x8870.d
Lab Smp Id: 613074 Client Smp ID: LCS
Inj Date : 10-JUN-2008 12:02
Operator : JCK Inst ID: msv0.i
Smp Info : 613074*LCS
Misc Info : MSV~13461~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080610.b/8260Bs0.m
Meth Date : 10-Jun-2008 16:13 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 00:07 Cal File: x8806.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/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	1.605	1.607	(0.251)	320429	61.7404	61.7	9434
2 Chloromethane ++	50	1.790	1.779	(0.279)	577316	49.6826	49.7	7453
4 Vinyl Chloride +	62	1.843	1.845	(0.288)	375914	55.2687	55.3	9593
5 Bromomethane	94	2.120	2.122	(0.331)	160763	68.7938	68.8	9592
6 Chloroethane	64	2.232	2.228	(0.349)	217368	68.0127	68.0	9001
7 Trichlorofluoromethane	101	2.358	2.360	(0.368)	388849	63.4808	63.5	9611
11 1,1-Dichloroethene +	96	2.846	2.842	(0.444)	282623	57.5524	57.6	8799
14 Carbon Disulfide	76	2.866	2.855	(0.447)	1053037	55.6711	55.7	8623
9 1,1,2Trichlotrifluoroethane	101	2.892	2.888	(0.452)	283587	55.8556	55.9	9251
13 Methyl Iodide	142	2.998	2.987	(0.468)	190680	67.9784	68.0	8077
10 Acrolein	56	3.209	3.218	(0.501)	124076	249.640	250	9211
18 Methylene Chloride	49	3.480	3.482	(0.543)	443508	46.4779	46.5	8853
12 Acetone	43	3.546	3.568	(0.554)	128681	57.9008	57.9	8664

170492

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.665	3.674	(0.572)	467668	53.5883	53.6	8979
	16 Methyl Acetate	43	3.711	3.740	(0.579)	137141	42.0551	42.1	3695(M2)
	23 Hexane	57	3.764	3.766	(0.588)	622393	51.7923	51.8	9115
	20 MTBE	73	3.810	3.832	(0.595)	434058	46.2426	46.2	8388
	26 1,1-Dichloroethane ++	63	4.464	4.472	(0.697)	581600	53.3200	53.3	9531
	22 Acrylonitrile	53	4.543	4.558	(0.709)	356656	263.933	264	9657
	27 Vinyl Acetate	43	4.800	4.816	(0.750)	462089	57.2787	57.3	
	30 cis-1,2-Dichloroethene	61	5.098	5.100	(0.796)	449747	50.7041	50.7	9433
	29 2,2-Dichloropropane	77	5.210	5.212	(0.813)	271385	51.9246	51.9	9092
	39 Cyclohexane	56	5.289	5.291	(0.826)	640897	52.7691	52.8	7791
	34 Bromochloromethane	128	5.315	5.318	(0.830)	122023	55.3275	55.3	8984
	38 Chloroform +	83	5.408	5.410	(0.844)	528680	48.9482	48.9	9313
	42 Carbon Tetrachloride	117	5.520	5.522	(0.862)	204261	52.6238	52.6	9688
$	41 Dibromofluoromethane	111	5.599	5.608	(0.874)	318524	52.8349	52.8	9589
	40 1,1,1-Trichloroethane	97	5.606	5.608	(0.875)	389979	54.0545	54.1	9652
	43 1,1-Dichloropropene	75	5.738	5.740	(0.896)	449558	53.8256	53.8	8714
	31 2-Butanone	43	5.745	5.760	(0.897)	109015	50.6244	50.6	
	46 Benzene	78	5.989	5.998	(0.935)	1298942	53.3217	53.3	9218
$	47 1,2-Dichloroethane-d4	67	6.134	6.143	(0.958)	140484	51.7165	51.7	9645
	48 1,2-Dichloroethane	62	6.200	6.209	(0.968)	323244	48.9865	49.0	9706
*	49 FLUOROBENZENE	96	6.405	6.413	(1.000)	1212573	50.0000		9648
	52 Methyl cyclohexane	83	6.543	6.545	(1.022)	572323	54.4652	54.5	7309
	50 Trichloroethene	130	6.563	6.565	(1.025)	361322	55.8140	55.8	9499
	58 Dibromomethane	93	6.966	6.968	(1.088)	102324	48.1932	48.2	9804
	54 1,2-Dichloropropane +	63	7.058	7.060	(1.102)	380917	52.4739	52.5	9560
	61 Bromodichloromethane	83	7.124	7.126	(1.112)	383044	53.2501	53.3	9484
	64 1-Bromo-2-chloroethane	63	7.553	7.556	(1.179)	507642	54.1699	54.2	9493
	65 cis-1,3-Dichloropropene	75	7.699	7.701	(1.202)	475265	55.4177	55.4	
$	67 Toluene-d8	98	7.864	7.866	(0.854)	1158015	50.6974	50.7	9666
	68 Toluene +	91	7.903	7.905	(0.859)	1454329	49.9759	50.0	9442
	66 4-methyl-2-pentanone	43	8.253	8.255	(1.289)	247007	46.5474	46.5	
	78 Tetrachloroethene	164	8.233	8.236	(0.895)	262244	56.0982	56.1	5716
	71 trans-1,3-Dichloropropene	75	8.280	8.282	(0.900)	356974	55.2056	55.2	
	76 1,1,2-Trichloroethane	97	8.418	8.420	(0.915)	225462	52.8168	52.8	9535
	81 Dibromochloromethane	129	8.564	8.566	(0.930)	281729	55.9359	55.9	9585
	79 1,3-Dichloropropane	76	8.649	8.652	(0.940)	405982	52.6374	52.6	9101
	83 1,2-Dibromoethane(EDB)	107	8.768	8.770	(0.953)	198708	54.0890	54.1	9692
	80 2-Hexanone	43	8.973	8.975	(0.975)	186355	44.5539	44.6	9399
	84 1-Chlorohexane	91	9.197	9.200	(1.436)	664862	59.0446	59.0	7829
*	85 Chlorobenzene-d5	82	9.204	9.206	(1.000)	531422	50.0000		7753
	86 Chlorobenzene ++	112	9.217	9.219	(1.001)	926314	52.8443	52.8	7885
	87 Ethylbenzene +	106	9.244	9.246	(1.004)	523521	53.5003	53.5	9453
	89 1,1,1,2-Tetrachloroethane	133	9.277	9.272	(1.008)	256345	51.9439	51.9	9652
M	75 Total 1,2-Dichloroethene	61				917415	104.292	104	0
	90 p,m-Xylene	106	9.369	9.371	(1.018)	1293290	107.523	108	9556
M	77 1-3 Dichloropropene-Total	100				832239	110.623	111	0
	91 o-Xylene	106	9.732	9.734	(1.057)	627567	53.7510	53.8	

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
92	Styrene	104	9.778	9.780	(1.062)	1014981	54.0472	54.0	9526
95	Bromoform ++	173	9.805	9.807	(1.065)	139530	56.8877	56.9	7451
96	Isopropylbenzene	105	9.996	9.998	(1.086)	1603754	53.5740	53.6	9649
$ 98	Bromofluorobenzene	174	10.247	10.249	(1.113)	313660	54.2796	54.3	9703
102	Bromobenzene	77	10.340	10.342	(0.922)	681180	48.6144	48.6	9425
103	n-Propylbenzene	91	10.353	10.355	(0.923)	2070327	50.8775	50.9	8911
101	1,1,2,2-Tetrachloroethane++	83	10.412	10.414	(0.929)	287359	50.5822	50.6	9594
105	2-Chlorotoluene	91	10.491	10.493	(0.936)	1272591	50.1941	50.2	9013
107	1,3,5-Trimethylbenzene	105	10.518	10.520	(0.938)	1366939	50.5054	50.5	
104	1,2,3-Trichloropropane	75	10.538	10.540	(0.940)	301952	52.4967	52.5	8373
106	trans-1,4-Dichloro-2-Butene	53	10.571	10.573	(0.943)	46783	51.9076	51.9	8943
108	4-Chlorotoluene	91	10.637	10.639	(0.949)	1108911	49.7174	49.7	9579
109	tert-butylbenzene	91	10.795	10.797	(0.963)	757807	49.6561	49.7	9510
110	1,2,4-Trimethylbenzene	105	10.854	10.850	(0.968)	1355702	50.4253	50.4	
112	sec-Butylbenzene	105	10.947	10.949	(0.976)	1861532	50.3283	50.3	
113	p-Isopropyltoluene	119	11.066	11.068	(0.987)	1544276	51.6479	51.6	9663
114	1,3-Dichlorobenzene	146	11.145	11.140	(0.994)	653248	52.4763	52.5	
* 115	1,4-DICHLOROBENZENE-D4	152	11.211	11.207	(1.000)	393336	50.0000		8117
117	1,4-Dichlorobenzene	146	11.224	11.220	(1.001)	664202	51.3664	51.4	
119	n-Butylbenzene	91	11.442	11.444	(1.021)	1422371	52.7323	52.7	9663
120	1,2-Dichlorobenzene	146	11.620	11.616	(1.036)	571010	51.9225	51.9	
121	1,2-Dibromo-3-Chloropropane	157	12.465	12.461	(1.112)	35119	52.0025	52.0	9019
124	Hexachlorobutadiene	225	13.238	13.240	(1.181)	249240	54.1554	54.2	9326
123	1,2,4-Trichlorobenzene	180	13.291	13.293	(1.185)	330357	57.9219	57.9	
125	Napthalene	128	13.674	13.676	(1.220)	479133	49.1026	49.1	9656
126	1,2,3-Trichlorobenzene	180	13.865	13.860	(1.237)	287949	54.7497	54.7	
M 127	TOTAL XYLENE	106				1920857	161.274	161	0

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

Data File: /var/chem/msv0.i/2080610.b/x8870.d

Date : 10-JUN-2008 12:02

Client ID: LCS

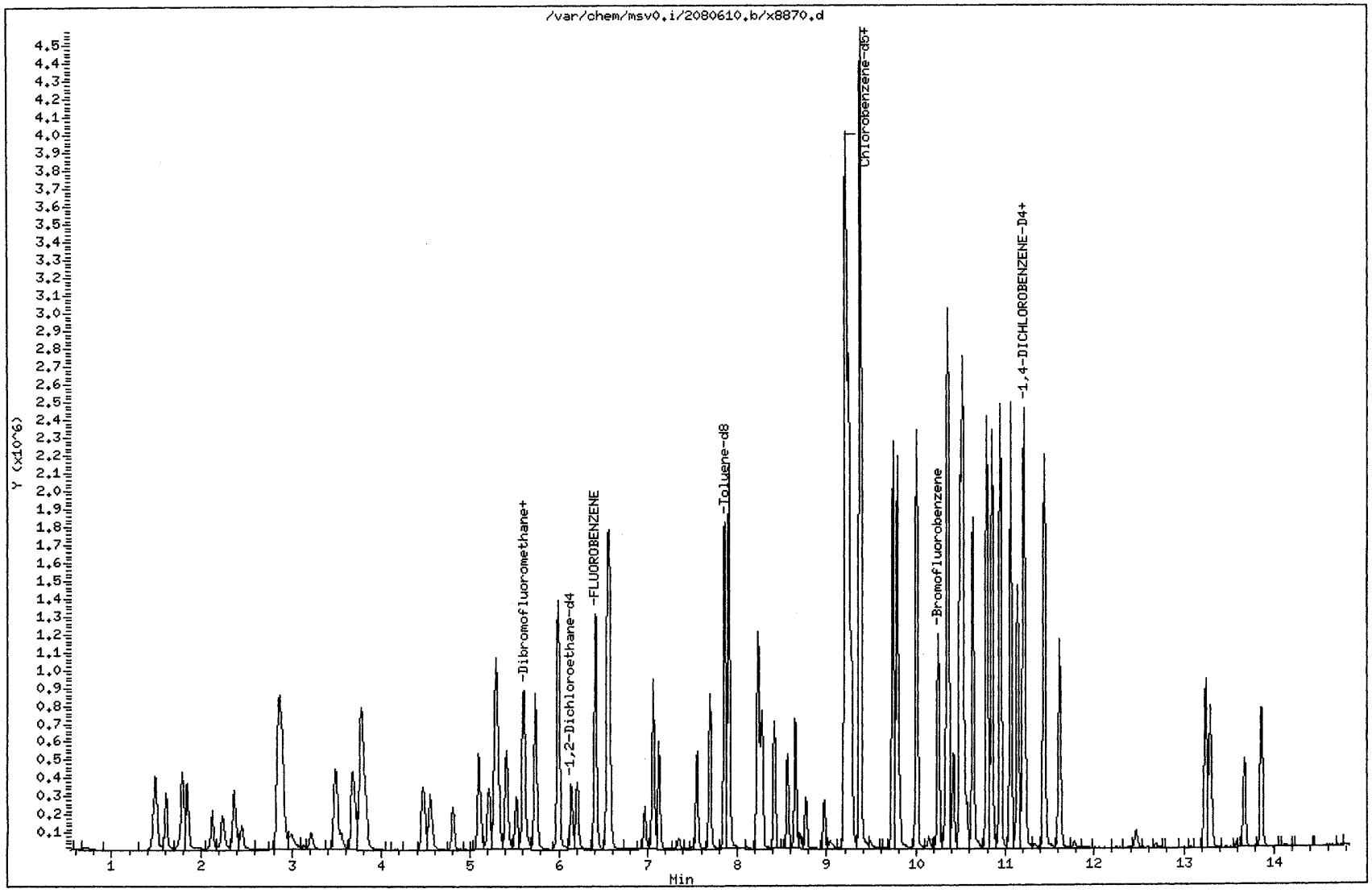
Sample Info: 613074*LCS

Column phase: DB-624-30M

Instrument: msv0.i

Operator: JCK

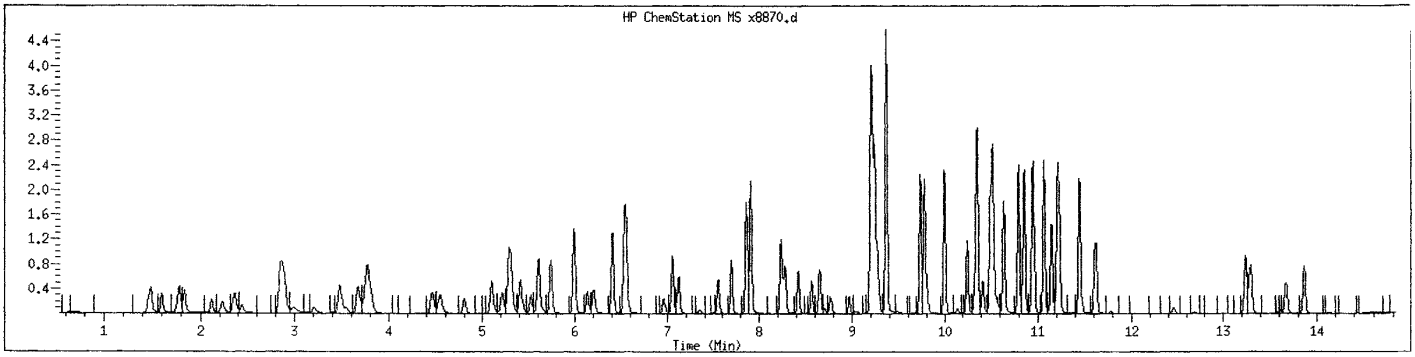
Column diameter: 0.53



170495

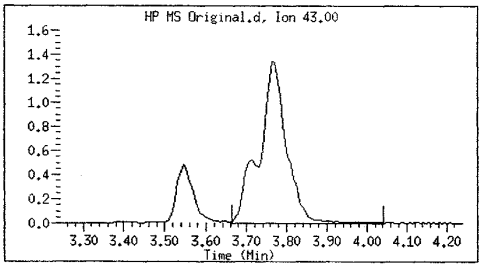
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 613074 SampleType : LCS
Injection Date: 06/10/2008 12:02 Instrument : msv0.i
Operator : JCK
Sample Info : 613074*LCS
Misc Info : MSV~13461~*1*JCK
Method : /var/chem/msv0.i/2080610.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



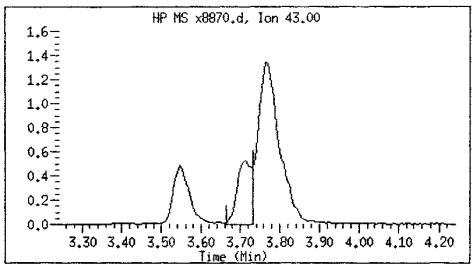
Original Final

16 Methyl Acetate CAS#: 79-20-9 Reason: M2



Electronic Signature
Applied

User: jck
Date: 06/10/2008 13:07



M2 - Target system integrated incorrectly

170496

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD613075

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

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

Lab Sample ID: 613075

Level: (low/med) LOW

Lab File ID: 2080610/x8871

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1225

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.053		0.000374	0.025
107-02-8	Acrolein	0.236		0.00234	0.025
107-13-1	Acrylonitrile	0.254		0.000712	0.025
75-27-4	Bromodichloromethane	0.051		0.000135	0.00500
75-25-2	Bromoform	0.054		0.000169	0.00500
74-83-9	Bromomethane	0.065		0.00151	0.00500
75-15-0	Carbon disulfide	0.051		0.000109	0.00500
56-23-5	Carbon tetrachloride	0.044		0.000120	0.00500
75-00-3	Chloroethane	0.061		0.000606	0.00500
136777-61-	m,p-Xylene	0.101		0.000398	0.00500
67-66-3	Chloroform	0.047		0.000141	0.00500
74-87-3	Chloromethane	0.047		0.000464	0.00500
124-48-1	Dibromochloromethane	0.052		0.000090	0.00500
74-95-3	Dibromomethane	0.046		0.000156	0.00500
75-71-8	Dichlorodifluoromethane	0.056		0.000364	0.00500
75-34-3	1,1-Dichloroethane	0.049		0.000159	0.00500
107-06-2	1,2-Dichloroethane	0.046		0.000114	0.00500
156-59-2	cis-1,2-Dichloroethene	0.047		0.000126	0.00500
156-60-5	trans-1,2-Dichloroethene	0.050		0.000164	0.00500
75-09-2	Methylene chloride	0.044		0.000479	0.010
78-87-5	1,2-Dichloropropane	0.050		0.000112	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.052		0.000115	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.051		0.000141	0.00500
100-41-4	Ethylbenzene	0.050		0.000207	0.00500
591-78-6	2-Hexanone	0.042		0.000826	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.050		0.000153	0.00500
78-93-3	2-Butanone	0.046		0.000312	0.00500
74-88-4	Methyl iodide	0.060		0.000906	0.00500
108-10-1	4-Methyl-2-pentanone	0.045		0.000173	0.00500
103-65-1	n-Propylbenzene	0.047		0.000140	0.00500
100-42-5	Styrene	0.051		0.000152	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD613075

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 613075

Level: (low/med) LOW Lab File ID: 2080610/x8871

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 06/10/08 Time: 1225

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.051		0.000192	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.049		0.000176	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.049		0.000180	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.056		0.000327	0.00500
71-55-6	1,1,1-Trichloroethane	0.050		0.000123	0.00500
79-00-5	1,1,2-Trichloroethane	0.051		0.000114	0.00500
75-69-4	Trichlorofluoromethane	0.058		0.000252	0.00500
96-18-4	1,2,3-Trichloropropane	0.050		0.000245	0.00200
95-63-6	1,2,4-Trimethylbenzene	0.047		0.000198	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.047		0.000163	0.00500
75-01-4	Vinyl chloride	0.050		0.000351	0.00500
95-47-6	o-Xylene	0.051		0.000174	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.049		0.000866	0.00500
106-93-4	1,2-Dibromoethane	0.048		0.000150	0.00500
108-05-4	Vinyl acetate	0.054		0.000979	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.041		0.000074	0.00500
99-87-6	4-Isopropyltoluene	0.048		0.000161	0.00500
1330-20-7	Xylene (total)	0.152		0.000572	0.010
108-87-2	Methylcyclohexane	0.050		0.000370	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.050		0.000721	0.00500
110-82-7	Cyclohexane	0.049		0.00111	0.00500
594-20-7	2,2-Dichloropropane	0.045		0.000176	0.00500
79-20-9	Methyl Acetate	0.043		0.00153	0.00500
76-13-1	Trichlorotrifluoroethane	0.051		0.000188	0.00500
563-58-6	1,1-Dichloropropene	0.050		0.000130	0.00500
142-28-9	1,3-Dichloropropane	0.049		0.000136	0.00500
108-86-1	Bromobenzene	0.046		0.000235	0.00500
95-49-8	2-Chlorotoluene	0.047		0.000150	0.00500
106-43-4	4-Chlorotoluene	0.047		0.000325	0.00500
98-06-6	tert-Butylbenzene	0.046		0.000252	0.00500
135-98-8	sec-Butylbenzene	0.047		0.000117	0.00500
541-73-1	1,3-Dichlorobenzene	0.050		0.000236	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD613075

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

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

Lab Sample ID: 613075

Level: (low/med) LOW

Lab File ID: 2080610/x8871

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1225

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
106-46-7	1,4-Dichlorobenzene	0.049		0.000421	0.00500
104-51-8	n-Butylbenzene	0.049		0.000178	0.00500
95-50-1	1,2-Dichlorobenzene	0.050		0.000114	0.00500
87-68-3	Hexachlorobutadiene	0.051		0.00125	0.00500
91-20-3	Naphthalene	0.050		0.000376	0.00500
75-35-4	1,1-Dichloroethene	0.055		0.000359	0.00500
71-43-2	Benzene	0.050		0.000104	0.00500
79-01-6	Trichloroethene	0.052		0.000177	0.00500
108-88-3	Toluene	0.047		0.000550	0.00500
108-90-7	Chlorobenzene	0.050		0.000165	0.00500

GCAL, Inc.

Data file : /var/chem/msv0.i/2080610.b/x8871.d
Lab Smp Id: 613075 Client Smp ID: LCSD
Inj Date : 10-JUN-2008 12:25
Operator : JCK Inst ID: msv0.i
Smp Info : 613075*LCSD
Misc Info : MSV~13461~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080610.b/8260Bs0.m
Meth Date : 10-Jun-2008 16:13 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 00:07 Cal File: x8806.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/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	1.597	1.607	(0.249)	303931	55.4615	55.5	9414
2 Chloromethane ++	50	1.782	1.779	(0.278)	579584	47.2374	47.2	7019
4 Vinyl Chloride +	62	1.834	1.845	(0.286)	359298	50.0293	50.0	9574
5 Bromomethane	94	2.112	2.122	(0.329)	159924	65.0519	65.1	9593
6 Chloroethane	64	2.224	2.228	(0.347)	204723	60.6653	60.7	9036
7 Trichlorofluoromethane	101	2.356	2.360	(0.368)	372267	57.5566	57.6	9653
11 1,1-Dichloroethene +	96	2.845	2.842	(0.444)	283661	54.7059	54.7	8688
14 Carbon Disulfide	76	2.864	2.855	(0.447)	1027248	51.4328	51.4	8531
9 1,1,2Trichlotrifluoroethane	101	2.891	2.888	(0.451)	272106	50.7572	50.8	9009
13 Methyl Iodide	142	2.996	2.987	(0.467)	177447	59.9119	59.9	7934
10 Acrolein	56	3.208	3.218	(0.500)	123941	236.167	236	9217
18 Methylene Chloride	49	3.478	3.482	(0.543)	444391	44.1051	44.1	8821
12 Acetone	43	3.544	3.568	(0.553)	126152	52.7817	52.8	8474

170500

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.670	3.674	(0.573)	457290	49.6253	49.6	9076
	16 Methyl Acetate	43	3.716	3.740	(0.580)	146058	42.4988	42.5	3676(M2)
	23 Hexane	57	3.769	3.766	(0.588)	589715	46.4752	46.5	9071
	20 MTBE	73	3.808	3.832	(0.594)	408174	41.1831	41.2	8243
	26 1,1-Dichloroethane ++	63	4.469	4.472	(0.697)	565705	49.1173	49.1	9587
	22 Acrylonitrile	53	4.548	4.558	(0.710)	362291	253.911	254	9705
	27 Vinyl Acetate	43	4.805	4.816	(0.750)	456233	53.5591	53.6	
	30 cis-1,2-Dichloroethene	61	5.102	5.100	(0.796)	442350	47.2301	47.2	9460
	29 2,2-Dichloropropane	77	5.215	5.212	(0.814)	245849	44.5486	44.5	9148
	39 Cyclohexane	56	5.287	5.291	(0.825)	627378	48.9215	48.9	7581
	34 Bromochloromethane	128	5.314	5.318	(0.829)	121017	51.9667	52.0	9270
	38 Chloroform +	83	5.413	5.410	(0.844)	533691	46.7964	46.8	9301
	42 Carbon Tetrachloride	117	5.525	5.522	(0.862)	181280	44.2309	44.2	9611
$	41 Dibromofluoromethane	111	5.604	5.608	(0.874)	315487	49.5609	49.6	9604
	40 1,1,1-Trichloroethane	97	5.604	5.608	(0.874)	379638	49.8356	49.8	9713
	43 1,1-Dichloropropene	75	5.736	5.740	(0.895)	438960	49.7745	49.8	8623
	31 2-Butanone	43	5.749	5.760	(0.897)	104692	45.5734	45.6	
	46 Benzene	78	5.994	5.998	(0.935)	1282394	49.8556	49.9	9156
$	47 1,2-Dichloroethane-d4	67	6.139	6.143	(0.958)	133769	46.6377	46.6	9567
	48 1,2-Dichloroethane	62	6.205	6.209	(0.968)	321370	46.1244	46.1	9666
*	49 FLUOROBENZENE	96	6.410	6.413	(1.000)	1280351	50.0000		9651
	52 Methyl cyclohexane	83	6.542	6.545	(1.021)	552413	49.7876	49.8	6855
	50 Trichloroethene	130	6.561	6.565	(1.024)	353019	51.6447	51.6	9394
	58 Dibromomethane	93	6.964	6.968	(1.087)	102433	45.6906	45.7	9724
	54 1,2-Dichloropropane +	63	7.063	7.060	(1.102)	385074	50.2384	50.2	9565
	61 Bromodichloromethane	83	7.123	7.126	(1.111)	389808	51.3217	51.3	9518
	64 1-Bromo-2-chloroethane	63	7.552	7.556	(1.178)	495299	50.0549	50.1	9470
	65 cis-1,3-Dichloropropene	75	7.697	7.701	(1.201)	466257	51.4893	51.5	
$	67 Toluene-d8	98	7.862	7.866	(0.854)	1163392	47.9831	48.0	9633
	68 Toluene +	91	7.908	7.905	(0.859)	1437256	46.5289	46.5	9483
	66 4-methyl-2-pentanone	43	8.252	8.255	(1.287)	250804	44.7610	44.8	
	78 Tetrachloroethene	164	8.232	8.236	(0.895)	252833	50.9527	51.0	5520
	71 trans-1,3-Dichloropropene	75	8.278	8.282	(0.900)	348231	50.7346	50.7	
	76 1,1,2-Trichloroethane	97	8.417	8.420	(0.915)	229329	50.6114	50.6	9523
	81 Dibromochloromethane	129	8.562	8.566	(0.930)	280057	52.3837	52.4	9582
	79 1,3-Dichloropropane	76	8.654	8.652	(0.940)	403290	49.2601	49.3	9166
	83 1,2-Dibromoethane(EDB)	107	8.766	8.770	(0.953)	188360	48.3029	48.3	9748
	80 2-Hexanone	43	8.971	8.975	(0.975)	187577	42.2488	42.2	9515
	84 1-Chlorohexane	91	9.202	9.200	(1.436)	539388	45.3658	45.4	3691(M2)
*	85 Chlorobenzene-d5	82	9.202	9.206	(1.000)	564091	50.0000		7687
	86 Chlorobenzene ++	112	9.222	9.219	(1.002)	932337	50.1075	50.1	8689
	87 Ethylbenzene +	106	9.242	9.246	(1.004)	520289	50.0907	50.1	9466
	89 1,1,1,2-Tetrachloroethane	133	9.275	9.272	(1.008)	254168	48.5200	48.5	9628
M	75 Total 1,2-Dichloroethene	61				899640	96.8554	96.9	0
	90 p,m-Xylene	106	9.367	9.371	(1.018)	1284264	100.589	101	9511
M	77 1-3 Dichloropropene-Total	100				814488	102.224	102	0
	91 o-Xylene	106	9.730	9.734	(1.057)	631191	50.9305	50.9	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
92	Styrene	104	9.777	9.780	(1.062)	1015372	50.9367	50.9	9481
95	Bromoform ++	173	9.803	9.807	(1.065)	140869	54.1074	54.1	6843
96	Isopropylbenzene	105	10.001	9.998	(1.087)	1602060	50.4180	50.4	9665
$ 98	Bromofluorobenzene	174	10.245	10.249	(1.113)	316025	51.5216	51.5	9556
102	Bromobenzene	77	10.338	10.342	(0.922)	692189	46.0567	46.1	9264
103	n-Propylbenzene	91	10.351	10.355	(0.923)	2045520	46.8657	46.9	9088
101	1,1,2,2-Tetrachloroethane++	83	10.417	10.414	(0.929)	295834	48.5496	48.5	9620
105	2-Chlorotoluene	91	10.490	10.493	(0.936)	1280766	47.0975	47.1	8939
107	1,3,5-Trimethylbenzene	105	10.516	10.520	(0.938)	1373559	47.3152	47.3	
104	1,2,3-Trichloropropane	75	10.536	10.540	(0.940)	309220	50.1217	50.1	7928
106	trans-1,4-Dichloro-2-Butene	53	10.569	10.573	(0.943)	48374	50.2506	50.3	8940
108	4-Chlorotoluene	91	10.635	10.639	(0.949)	1116274	46.6602	46.7	9618
109	tert-butylbenzene	91	10.793	10.797	(0.963)	756728	46.2294	46.2	9538
110	1,2,4-Trimethylbenzene	105	10.853	10.850	(0.968)	1358854	47.1218	47.1	
112	sec-Butylbenzene	105	10.945	10.949	(0.976)	1845926	46.5287	46.5	
113	p-Isopropyltoluene	119	11.064	11.068	(0.987)	1545789	48.1995	48.2	9553
114	1,3-Dichlorobenzene	146	11.143	11.140	(0.994)	662872	49.6454	49.6	
* 115	1,4-DICHLOROBENZENE-D4	152	11.209	11.207	(1.000)	421890	50.0000		7794
117	1,4-Dichlorobenzene	146	11.222	11.220	(1.001)	675614	48.7127	48.7	
119	n-Butylbenzene	91	11.447	11.444	(1.021)	1403648	48.5162	48.5	9731
120	1,2-Dichlorobenzene	146	11.619	11.616	(1.037)	589619	49.9859	50.0	
121	1,2-Dibromo-3-Chloropropane	157	12.464	12.461	(1.112)	35036	48.6298	48.6	9180
124	Hexachlorobutadiene	225	13.243	13.240	(1.181)	252731	51.1973	51.2	9229
123	1,2,4-Trichlorobenzene	180	13.289	13.293	(1.186)	340702	55.6927	55.7	
125	Napthalene	128	13.672	13.676	(1.220)	522450	49.8405	49.8	9753
126	1,2,3-Trichlorobenzene	180	13.863	13.860	(1.237)	306887	54.4013	54.4	
M 127	TOTAL XYLENE	106				1915455	151.519	152	0

QC Flag Legend

M2- Compound response manually integrated because Target system integrated incorrectly.

170502

Data File: /var/chem/msv0.i/2080610.b/x8871.d

Date : 10-JUN-2008 12:25

Client ID: LCSD

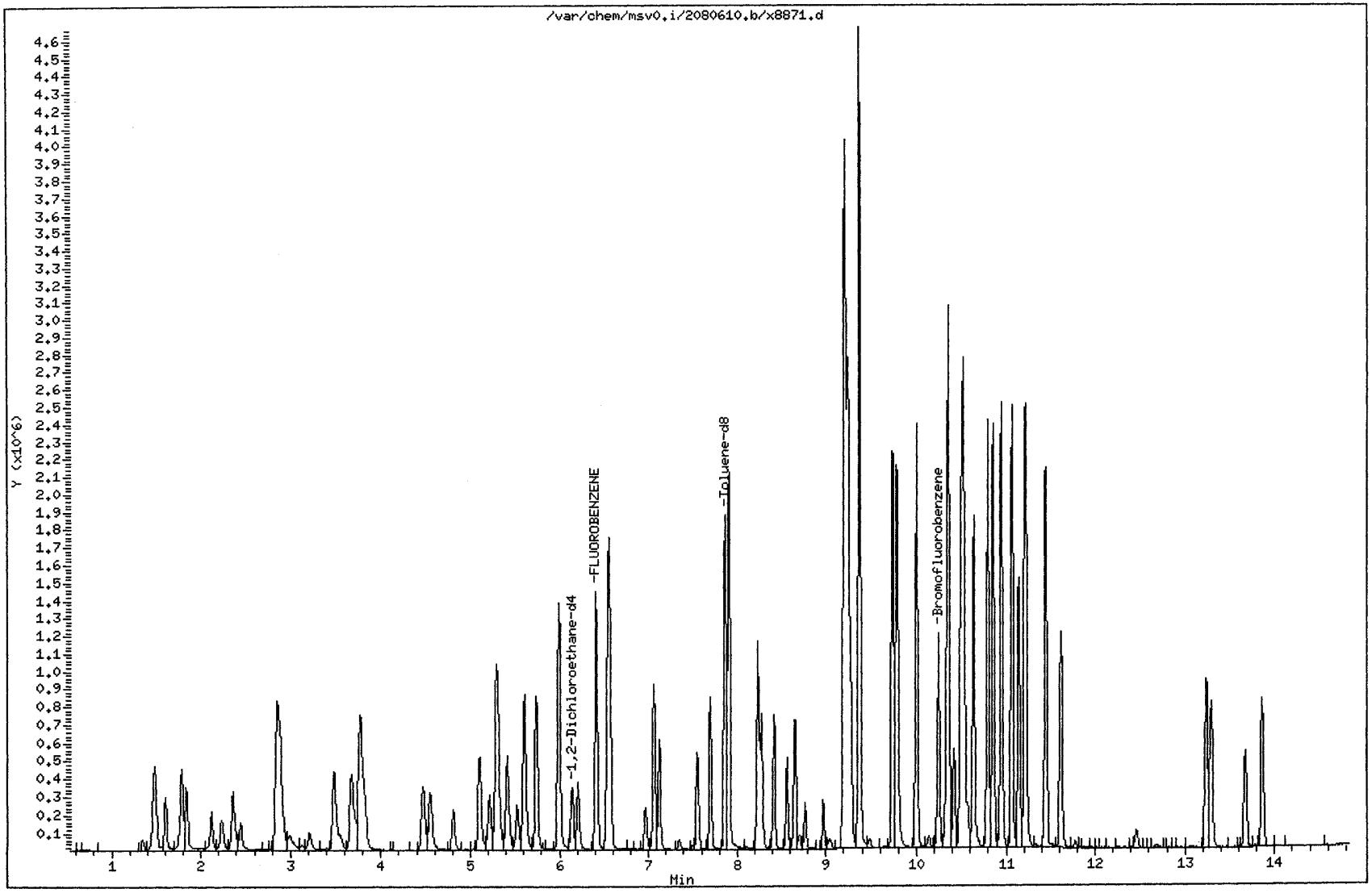
Sample Info: 613075*LCSD

Column phase: DB-624-30M

Instrument: msv0.i

Operator: JCK

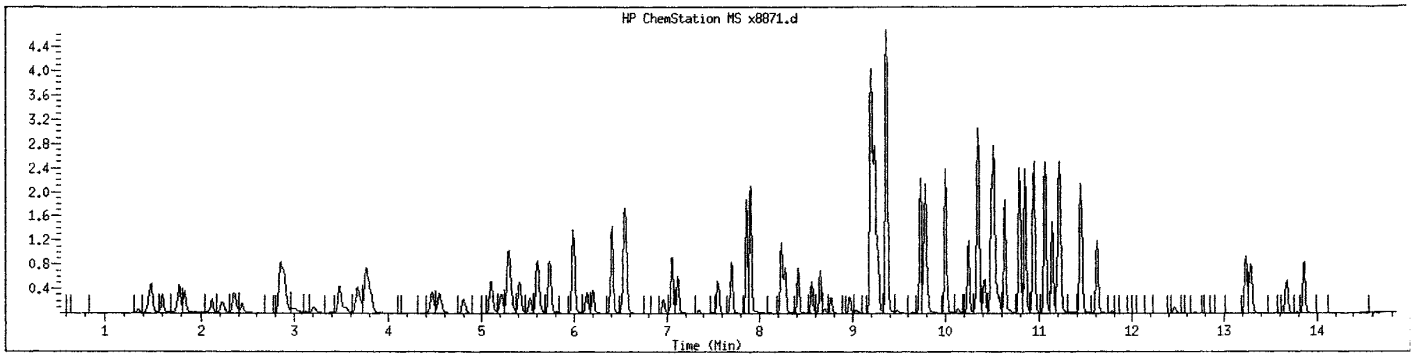
Column diameter: 0.53



Data file : /var/chem/msv0.i/2080610.b/x8871.d Page: 1
Report Date: 06/10/2008 16:14

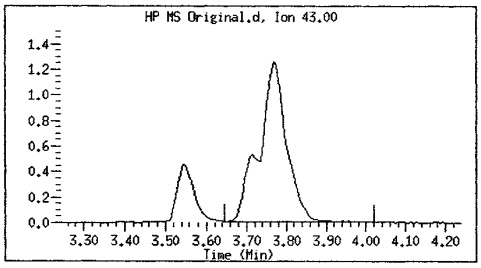
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 613075	SampleType	: LCSD
Injection Date	: 06/10/2008 12:25	Instrument	: msv0.i
Operator	: JCK		
Sample Info	: 613075*LCSD		
Misc Info	: MSV~13461~*1*JCK		
Method	: /var/chem/msv0.i/2080610.b/8260Bs0.m		
Dilution	: 1.00		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: 8260b



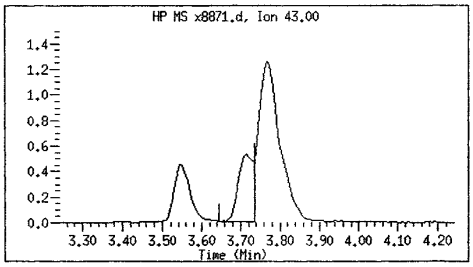
Original Final

16 Methyl Acetate CAS#: 79-20-9 Reason: M2

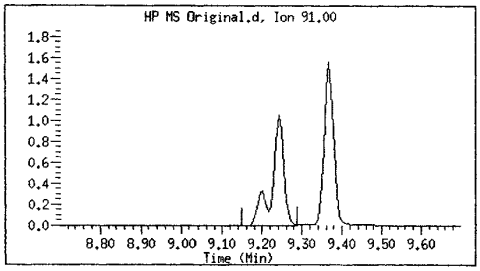


Electronic Signature Applied

User: jck
Date: 06/10/2008 13:33



84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



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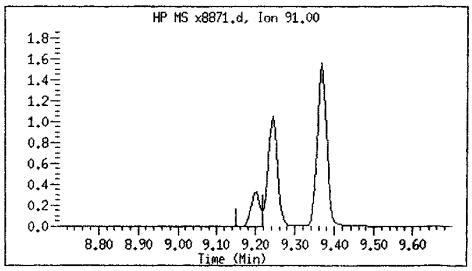


170504

M2 - Target system integrated incorrectly

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS612774

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 612774

Level: (low/med) LOW Lab File ID: 2080610/h4728L

% Moisture: not dec. Date Collected: Time:

GC Column: DB-VRX-30 ID: .53 (mm) Date Received:

Instrument ID: MSV5 Date Analyzed: 06/10/08 Time: 0921

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375282

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.057		0.000690	0.025
107-02-8	Acrolein	0.203		0.00132	0.025
107-13-1	Acrylonitrile	0.244		0.000727	0.025
75-27-4	Bromodichloromethane	0.056		0.000079	0.00500
75-25-2	Bromoform	0.054		0.000065	0.00500
74-83-9	Bromomethane	0.035		0.000252	0.00500
75-15-0	Carbon disulfide	0.053		0.000099	0.00500
56-23-5	Carbon tetrachloride	0.054		0.000124	0.00500
75-00-3	Chloroethane	0.057		0.000060	0.00500
136777-61-	m,p-Xylene	0.101		0.000476	0.00500
67-66-3	Chloroform	0.050		0.000062	0.00500
74-87-3	Chloromethane	0.043		0.000244	0.00500
124-48-1	Dibromochloromethane	0.050		0.000050	0.00500
74-95-3	Dibromomethane	0.054		0.000128	0.00500
75-34-3	1,1-Dichloroethane	0.049		0.000125	0.00500
107-06-2	1,2-Dichloroethane	0.050		0.000184	0.00500
156-59-2	cis-1,2-Dichloroethene	0.056		0.000154	0.00500
156-60-5	trans-1,2-Dichloroethene	0.053		0.000113	0.00500
75-09-2	Methylene chloride	0.049		0.000104	0.010
78-87-5	1,2-Dichloropropane	0.050		0.000099	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.056		0.000064	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.051		0.000101	0.00500
100-41-4	Ethylbenzene	0.054		0.000077	0.00500
591-78-6	2-Hexanone	0.052		0.000151	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.050		0.000050	0.00500
78-93-3	2-Butanone	0.058		0.000361	0.00500
74-88-4	Methyl iodide	0.038		0.000126	0.00500
108-10-1	4-Methyl-2-pentanone	0.054		0.000088	0.00500
103-65-1	n-Propylbenzene	0.053		0.000087	0.00500
100-42-5	Styrene	0.051		0.000050	0.00500
127-18-4	Tetrachloroethene	0.053		0.000080	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS612774

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 612774

Level: (low/med) LOW Lab File ID: 2080610/h4728L

% Moisture: not dec. Date Collected: Time:

GC Column: DB-VRX-30 ID: .53 (mm) Date Received:

Instrument ID: MSV5 Date Analyzed: 06/10/08 Time: 0921

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375282

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.048		0.000086	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.054		0.000156	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.053		0.000413	0.00500
71-55-6	1,1,1-Trichloroethane	0.052		0.000155	0.00500
79-00-5	1,1,2-Trichloroethane	0.052		0.000067	0.00500
75-69-4	Trichlorofluoromethane	0.055		0.000141	0.00500
96-18-4	1,2,3-Trichloropropane	0.055		0.000151	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.050		0.000079	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.053		0.000085	0.00500
75-01-4	Vinyl chloride	0.049		0.000163	0.00500
95-47-6	o-Xylene	0.050		0.000058	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.053		0.000181	0.00500
106-93-4	1,2-Dibromoethane	0.052		0.000101	0.00500
108-05-4	Vinyl acetate	0.065		0.000207	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.056		0.000110	0.00500
99-87-6	4-Isopropyltoluene	0.050		0.000063	0.00500
1330-20-7	Xylene (total)	0.151		0.000535	0.010
108-87-2	Methylcyclohexane	0.055		0.000201	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.058		0.000394	0.00500
110-82-7	Cyclohexane	0.052		0.000101	0.00500
594-20-7	2,2-Dichloropropane	0.057		0.000195	0.00500
79-20-9	Methyl Acetate	0.052		0.000431	0.00500
76-13-1	Trichlorotrifluoroethane	0.054		0.000168	0.00500
563-58-6	1,1-Dichloropropene	0.051		0.000170	0.00500
110-75-8	2-Chloroethylvinyl ether	0.053		0.000547	0.00500
142-28-9	1,3-Dichloropropane	0.051		0.000064	0.00500
108-86-1	Bromobenzene	0.053		0.000091	0.00500
95-49-8	2-Chlorotoluene	0.052		0.000092	0.00500
106-43-4	4-Chlorotoluene	0.051		0.000106	0.00500
98-06-6	tert-Butylbenzene	0.060		0.000065	0.00500
135-98-8	sec-Butylbenzene	0.052		0.000082	0.00500
541-73-1	1,3-Dichlorobenzene	0.053		0.000134	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS612774

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 612774

Level: (low/med) LOW Lab File ID: 2080610/h4728L

% Moisture: not dec. Date Collected: Time:

GC Column: DB-VRX-30 ID: .53 (mm) Date Received:

Instrument ID: MSV5 Date Analyzed: 06/10/08 Time: 0921

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375282

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
106-46-7	1,4-Dichlorobenzene	0.052		0.000162	0.00500
104-51-8	n-Butylbenzene	0.053		0.000128	0.00500
95-50-1	1,2-Dichlorobenzene	0.053		0.000112	0.00500
87-68-3	Hexachlorobutadiene	0.054		0.000455	0.00500
91-20-3	Naphthalene	0.054		0.000369	0.00500
75-35-4	1,1-Dichloroethene	0.051		0.000226	0.00500
71-43-2	Benzene	0.054		0.000184	0.00500
79-01-6	Trichloroethene	0.050		0.000123	0.00500
108-88-3	Toluene	0.053		0.000093	0.00500
108-90-7	Chlorobenzene	0.048		0.000051	0.00500

GCAL, Inc.

Data file : /var/chem/msv5.i/2080610.b/h4728L.d
Lab Smp Id: 612774
Inj Date : 10-JUN-2008 09:21
Operator : EGW Inst ID: msv5.i
Smp Info : 612774*
Misc Info : MSV~13454~*1*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 10-Jun-2008 16:10 egw Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.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)	FINAL (ug/L)	SIMILARITY
1 Dichlorodifluoromethane	85	1.848	1.848	(0.259)	190531	52.0626	52.1	
2 Chloromethane ++	50	2.055	2.055	(0.288)	256584	43.2444	43.2	
3 Vinyl Chloride +	62	2.141	2.141	(0.300)	199911	48.6109	48.6	
5 Bromomethane	94	2.511	2.511	(0.352)	65207	34.6640	34.7	
8 Chloroethane	64	2.653	2.653	(0.372)	94929	57.0563	57.1	
9 Trichlorofluoromethane	101	2.816	2.816	(0.395)	144804	54.8378	54.8	
11 1,1-Dichloroethene +	96	3.436	3.436	(0.482)	102906	51.4376	51.4	
12 Carbon Disulfide	76	3.468	3.468	(0.486)	394448	52.7799	52.8	
13 1,1,2Trichlotrifluoroethane	101	3.501	3.501	(0.491)	107959	53.6398	53.6	
14 Methyl Iodide	142	3.621	3.621	(0.508)	109560	37.5329	37.5	
15 Acrolein	56	3.914	3.914	(0.549)	85728	202.512	203	
17 Methylene Chloride	49	4.241	4.241	(0.594)	203646	49.1435	49.1	
18 Acetone	43	4.339	4.339	(0.608)	83647	57.0630	57.1	
19 trans-1,2-Dichloroethene	61	4.458	4.458	(0.625)	177045	53.1690	53.2	

170509

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
	20 Methyl Acetate	43	4.513	4.513	(0.633)	168895	52.2652	52.3	4525
	21 Hexane	57	4.578	4.578	(0.642)	207450	51.8114	51.8	9269(M2)
	22 MTBE	73	4.633	4.633	(0.649)	333025	55.8076	55.8	8907
	27 1,1-Dichloroethane ++	63	5.231	5.231	(0.733)	234276	48.5044	48.5	
	29 Acrylonitrile	53	5.307	5.307	(0.744)	356366	243.757	244	
	30 Vinyl Acetate	43	5.557	5.557	(0.779)	407772	64.9688	65.0	
M	61 Total 1,2-Dichloroethene	61				403759	108.772	109	
	31 cis-1,2-Dichloroethene	61	5.850	5.850	(0.820)	226714	55.6029	55.6	
	32 2,2-Dichloropropane	77	5.970	5.970	(0.837)	175703	56.8773	56.9	
	34 Cyclohexane	56	6.057	6.057	(0.849)	305257	52.0189	52.0	9150
	33 Bromochloromethane	128	6.068	6.068	(0.851)	78291	52.7878	52.8	
	35 Chloroform +	83	6.144	6.144	(0.861)	242224	50.3336	50.3	
	36 Carbon Tetrachloride	117	6.275	6.275	(0.880)	125687	53.9123	53.9	
$	39 Dibromofluoromethane	111	6.329	6.329	(0.887)	149461	49.8897	49.9	8560
	40 1,1,1-Trichloroethane	97	6.351	6.351	(0.890)	154413	52.2294	52.2	
	42 2-Butanone	43	6.482	6.482	(0.909)	173972	57.9067	57.9	
	43 1,1-Dichloropropene	75	6.482	6.482	(0.909)	203062	50.7949	50.8	
	45 Benzene	78	6.732	6.732	(0.944)	621339	54.4267	54.4	
$	48 1,2-Dichloroethane-d4	67	6.862	6.862	(0.962)	72980	43.8638	43.9	
	49 1,2-Dichloroethane	62	6.928	6.928	(0.971)	187315	50.2561	50.3	
*	52 FLUOROBENZENE	96	7.134	7.134	(1.000)	556783	50.0000		
	53 Methyl Cyclohexane	83	7.286	7.286	(1.021)	249020	54.7429	54.7	9731
	54 Trichloroethene	130	7.286	7.286	(1.021)	137284	50.2077	50.2	
	57 Dibromomethane	93	7.689	7.689	(1.078)	119249	53.6975	53.7	
	59 1,2-Dichloropropane +	63	7.787	7.787	(1.091)	202551	49.5050	49.5	
	60 Bromodichloromethane	83	7.841	7.841	(1.099)	216917	55.7769	55.8	
	64 1-Bromo-2-chloroethane	63	8.276	8.276	(1.160)	373980	51.0780	51.1	9515
	65 2-Chloroethyl vinyl ether	63	8.341	8.341	(1.169)	164984	53.3545	53.4	
	66 cis-1,3-Dichloropropene	75	8.406	8.406	(1.178)	294061	56.0966	56.1	
M	6 1-3 Dichloropropene-Total	100				538803	109.701	110	0
$	67 Toluene-d8	98	8.570	8.570	(0.864)	460903	47.2129	47.2	
	69 Toluene +	91	8.613	8.613	(0.868)	625738	52.6383	52.6	
	71 4-methyl-2-pentanone	43	8.939	8.939	(1.253)	316755	54.2305	54.2	
	72 Tetrachloroethene	164	8.950	8.950	(0.902)	99266	52.9824	53.0	
	73 trans-1,3-Dichloropropene	75	8.972	8.972	(0.905)	244742	51.2043	51.2	
	75 1,1,2-Trichloroethane	97	9.114	9.114	(0.919)	153807	51.4582	51.5	
	76 Dibromochloromethane	129	9.277	9.277	(0.935)	158674	49.6355	49.6	
	77 1,3-Dichloropropane	76	9.353	9.353	(0.943)	283447	50.6926	50.7	
	79 1,2-Dibromoethane(EDB)	107	9.494	9.494	(0.957)	172020	51.6382	51.6	
	80 2-Hexanone	43	9.658	9.658	(0.974)	241520	51.7819	51.8	
	82 1-Chlorohexane	91	9.897	9.897	(0.998)	211416	45.6876	45.7	8930
*	83 CHLOROBENZENE-d5	82	9.918	9.918	(1.000)	255609	50.0000		
	84 Chlorobenzene ++	112	9.940	9.940	(1.002)	373727	48.2618	48.3	
	85 Ethylbenzene +	106	9.940	9.940	(1.002)	205147	53.4601	53.5	
	86 1,1,1,2-Tetrachloroethane	133	9.984	9.984	(1.007)	120278	48.0563	48.1	
	87 p,m-Xylene	106	10.060	10.060	(1.014)	484586	101.127	101	
	89 o-Xylene	106	10.441	10.441	(1.053)	245131	49.7431	49.7	

170510

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
90	Styrene	104	10.485	10.485	(1.057)	450315	51.2909	51.3	
91	Bromoform ++	173	10.528	10.528	(1.061)	101063	54.1235	54.1	
93	Isopropylbenzene	105	10.702	10.702	(1.079)	573959	50.1640	50.2	
$ 94	Bromofluorobenzene	174	10.963	10.963	(1.105)	141088	48.5040	48.5	
95	n-Propylbenzene	91	11.062	11.062	(0.921)	821563	53.0708	53.1	
96	Bromobenzene	77	11.062	11.062	(0.921)	331053	52.9743	53.0	
97	1,1,2,2-Tetrachloroethane++	83	11.116	11.116	(0.926)	262823	54.2961	54.3	
98	2-Chlorotoluene	91	11.214	11.214	(0.934)	521729	52.3026	52.3	
99	1,3,5-Trimethylbenzene	105	11.214	11.214	(0.934)	493344	52.6748	52.7	
100	1,2,3-Trichloropropane	75	11.269	11.269	(0.938)	309516	54.5493	54.5	
101	trans-1,4-Dichloro-2-Butene	53	11.269	11.269	(0.938)	86842	58.4203	58.4	
103	4-Chlorotoluene	91	11.367	11.367	(0.946)	464112	50.5197	50.5	
M 124	TOTAL XYLENE	106				729717	150.870	151	
104	tert-butylbenzene	91	11.519	11.519	(0.959)	322920	59.5337	59.5	
106	1,2,4-Trimethylbenzene	105	11.585	11.585	(0.965)	490306	50.4077	50.4	
107	sec-Butylbenzene	105	11.694	11.694	(0.974)	627112	51.6781	51.7	
108	p-Isopropyltoluene	119	11.814	11.814	(0.984)	480902	49.6104	49.6	
110	1,3-Dichlorobenzene	146	11.934	11.934	(0.994)	262530	52.5774	52.6	
* 111	1,4-DICHLOROBENZENE-D4	152	12.010	12.010	(1.000)	184113	50.0000		
112	1,4-Dichlorobenzene	146	12.021	12.021	(1.001)	295534	51.8412	51.8	
115	n-Butylbenzene	91	12.249	12.249	(1.020)	520594	52.9957	53.0	
116	1,2-Dichlorobenzene	146	12.489	12.489	(1.040)	257131	52.5241	52.5	
120	1,2-Dibromo-3-Chloropropane	157	13.423	13.423	(1.118)	39795	53.0677	53.1	
122	Hexachlorobutadiene	225	14.086	14.086	(1.173)	53941	54.0012	54.0	
123	1,2,4-Trichlorobenzene	180	14.140	14.140	(1.177)	151946	52.8923	52.9	
125	Naphthalene	128	14.478	14.478	(1.205)	500344	53.5442	53.5	
126	1,2,3-Trichlorobenzene	180	14.663	14.663	(1.221)	143154	50.3791	50.4	

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

170511

Data File: /var/chem/msv5.i/2080610.b/h4728L.d

Page 1

Date : 10-JUN-2008 09:21

Client ID:

Instrument: msv5.i

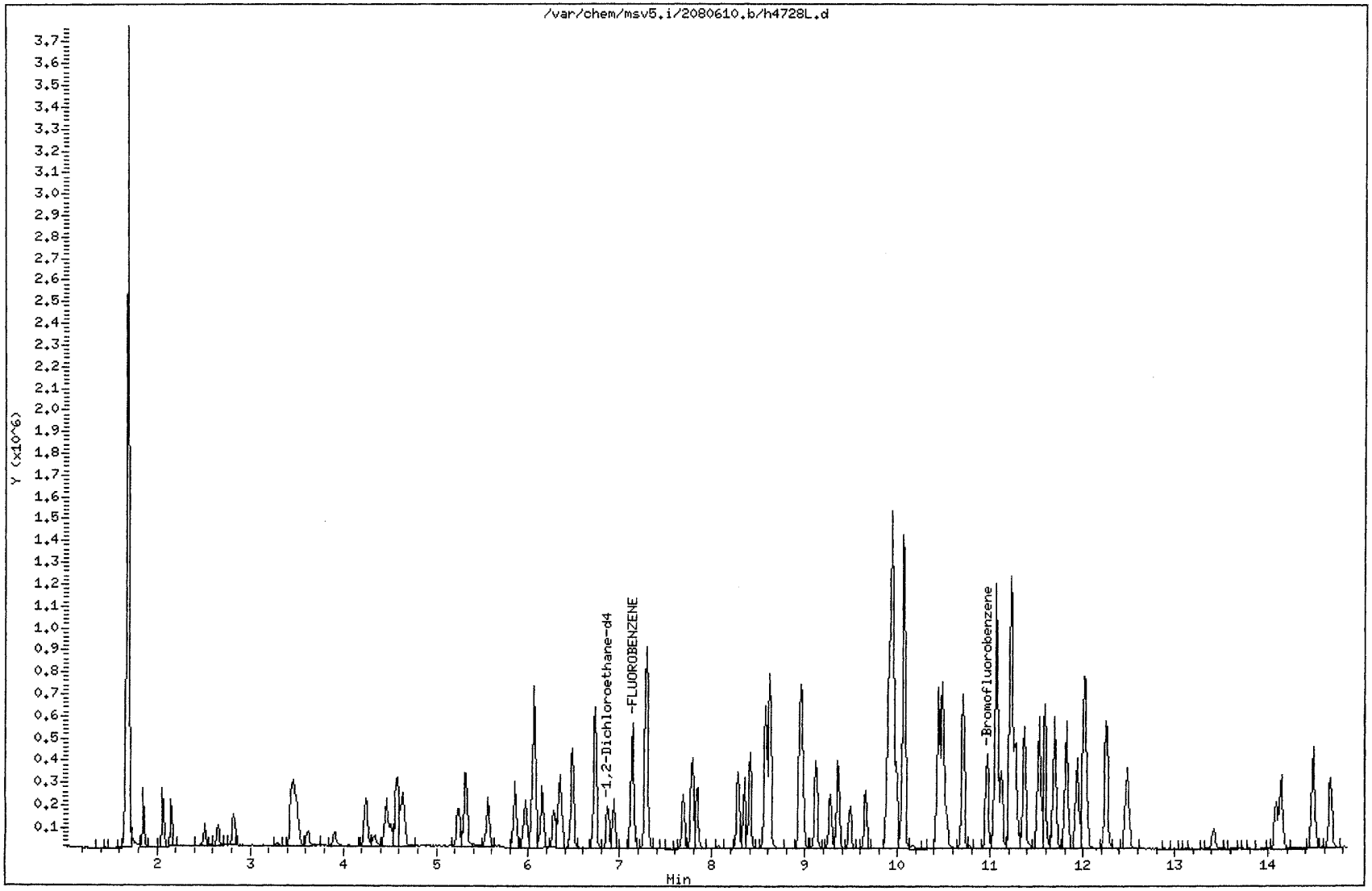
Sample Info: 612774*

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-30M

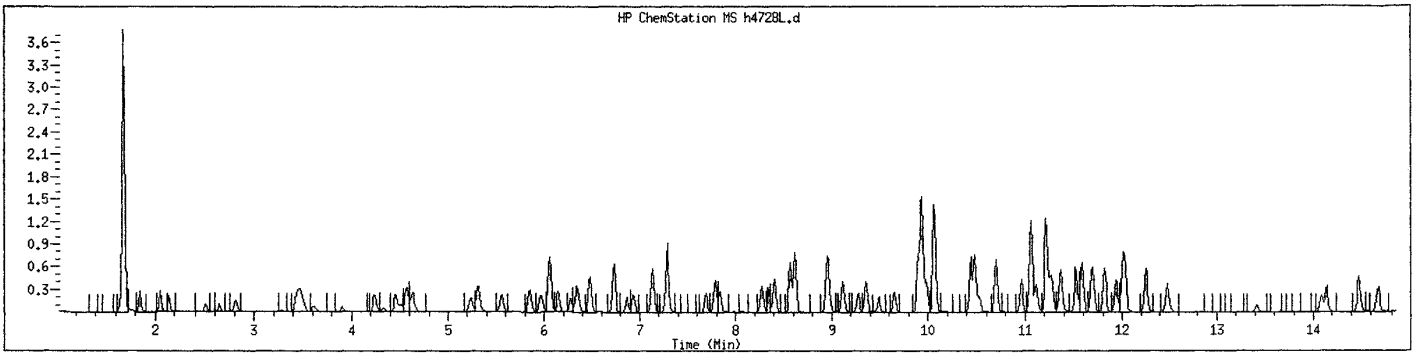
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080610.b/h4728L.d
Report Date: 06/10/2008 16:11

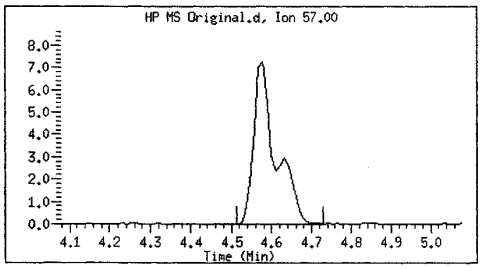
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 612774	SampleType	: LCS
Injection Date	: 06/10/2008 09:21	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 612774*		
Misc Info	: MSV~13454~*1*EGW		
Method	: /var/chem/msv5.i/2080610.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



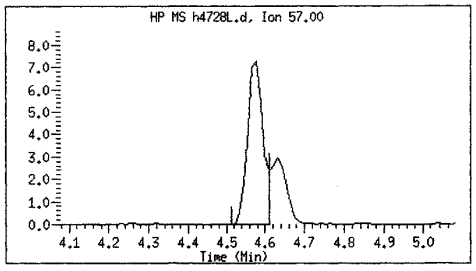
Original Final

21 Hexane CAS#: 110-54-3 Reason: M2



Electronic Signature
Applied

User: egw
Date: 06/10/2008 10:39



M2 - Target system integrated incorrectly

170513

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD612775

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 612775

Level: (low/med) LOW Lab File ID: 2080610/h4729

% Moisture: not dec. Date Collected: Time:

GC Column: DB-VRX-30 ID: .53 (mm) Date Received:

Instrument ID: MSV5 Date Analyzed: 06/10/08 Time: 0944

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375282

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.057		0.000690	0.025
107-02-8	Acrolein	0.202		0.00132	0.025
107-13-1	Acrylonitrile	0.243		0.000727	0.025
75-27-4	Bromodichloromethane	0.050		0.000079	0.00500
75-25-2	Bromoform	0.053		0.000065	0.00500
74-83-9	Bromomethane	0.036		0.000252	0.00500
75-15-0	Carbon disulfide	0.047		0.000099	0.00500
56-23-5	Carbon tetrachloride	0.049		0.000124	0.00500
75-00-3	Chloroethane	0.051		0.000060	0.00500
136777-61-	m,p-Xylene	0.097		0.000476	0.00500
67-66-3	Chloroform	0.047		0.000062	0.00500
74-87-3	Chloromethane	0.040		0.000244	0.00500
124-48-1	Dibromochloromethane	0.048		0.000050	0.00500
74-95-3	Dibromomethane	0.049		0.000128	0.00500
75-34-3	1,1-Dichloroethane	0.045		0.000125	0.00500
107-06-2	1,2-Dichloroethane	0.046		0.000184	0.00500
156-59-2	cis-1,2-Dichloroethene	0.052		0.000154	0.00500
156-60-5	trans-1,2-Dichloroethene	0.047		0.000113	0.00500
75-09-2	Methylene chloride	0.043		0.000104	0.010
78-87-5	1,2-Dichloropropane	0.045		0.000099	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.052		0.000064	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.049		0.000101	0.00500
100-41-4	Ethylbenzene	0.050		0.000077	0.00500
591-78-6	2-Hexanone	0.053		0.000151	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.048		0.000050	0.00500
78-93-3	2-Butanone	0.054		0.000361	0.00500
74-88-4	Methyl iodide	0.040		0.000126	0.00500
108-10-1	4-Methyl-2-pentanone	0.052		0.000088	0.00500
103-65-1	n-Propylbenzene	0.050		0.000087	0.00500
100-42-5	Styrene	0.049		0.000050	0.00500
127-18-4	Tetrachloroethene	0.049		0.000080	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD612775

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 612775

Level: (low/med) LOW Lab File ID: 2080610/h4729

% Moisture: not dec. Date Collected: Time:

GC Column: DB-VRX-30 ID: .53 (mm) Date Received:

Instrument ID: MSV5 Date Analyzed: 06/10/08 Time: 0944

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375282

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/L*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.046		0.000086	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.053		0.000156	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.050		0.000413	0.00500
71-55-6	1,1,1-Trichloroethane	0.049		0.000155	0.00500
79-00-5	1,1,2-Trichloroethane	0.049		0.000067	0.00500
75-69-4	Trichlorofluoromethane	0.050		0.000141	0.00500
96-18-4	1,2,3-Trichloropropane	0.055		0.000151	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.050		0.000079	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.050		0.000085	0.00500
75-01-4	Vinyl chloride	0.045		0.000163	0.00500
95-47-6	o-Xylene	0.048		0.000058	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.054		0.000181	0.00500
106-93-4	1,2-Dibromoethane	0.050		0.000101	0.00500
108-05-4	Vinyl acetate	0.055		0.000207	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.049		0.000110	0.00500
99-87-6	4-Isopropyltoluene	0.049		0.000063	0.00500
1330-20-7	Xylene (total)	0.145		0.000535	0.010
108-87-2	Methylcyclohexane	0.049		0.000201	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.056		0.000394	0.00500
110-82-7	Cyclohexane	0.048		0.000101	0.00500
594-20-7	2,2-Dichloropropane	0.052		0.000195	0.00500
79-20-9	Methyl Acetate	0.051		0.000431	0.00500
76-13-1	Trichlorotrifluoroethane	0.050		0.000168	0.00500
563-58-6	1,1-Dichloropropene	0.046		0.000170	0.00500
110-75-8	2-Chloroethylvinyl ether	0.052		0.000547	0.00500
142-28-9	1,3-Dichloropropane	0.049		0.000064	0.00500
108-86-1	Bromobenzene	0.050		0.000091	0.00500
95-49-8	2-Chlorotoluene	0.047		0.000092	0.00500
106-43-4	4-Chlorotoluene	0.049		0.000106	0.00500
98-06-6	tert-Butylbenzene	0.048		0.000065	0.00500
135-98-8	sec-Butylbenzene	0.049		0.000082	0.00500
541-73-1	1,3-Dichlorobenzene	0.051		0.000134	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD612775

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 612775

Level: (low/med) LOW Lab File ID: 2080610/h4729

% Moisture: not dec. Date Collected: Time:

GC Column: DB-VRX-30 ID: .53 (mm) Date Received:

Instrument ID: MSV5 Date Analyzed: 06/10/08 Time: 0944

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 375282

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
106-46-7	1,4-Dichlorobenzene	0.051		0.000162	0.00500
104-51-8	n-Butylbenzene	0.051		0.000128	0.00500
95-50-1	1,2-Dichlorobenzene	0.052		0.000112	0.00500
87-68-3	Hexachlorobutadiene	0.051		0.000455	0.00500
91-20-3	Naphthalene	0.054		0.000369	0.00500
75-35-4	1,1-Dichloroethene	0.049		0.000226	0.00500
71-43-2	Benzene	0.050		0.000184	0.00500
79-01-6	Trichloroethene	0.048		0.000123	0.00500
108-88-3	Toluene	0.050		0.000093	0.00500
108-90-7	Chlorobenzene	0.047		0.000051	0.00500

GCAL, Inc.

Data file : /var/chem/msv5.i/2080610.b/h4729.d
Lab Smp Id: 612775
Inj Date : 10-JUN-2008 09:44
Operator : EGW Inst ID: msv5.i
Smp Info : 612775*
Misc Info : MSV~13454~*1*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 10-Jun-2008 11:18 egw Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 4 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)	FINAL (ug/L)	SIMILARITY
1 Dichlorodifluoromethane	85	1.848	1.848	(0.259)	174843	46.8267	46.8	
2 Chloromethane ++	50	2.054	2.054	(0.288)	239561	39.5732	39.6	
3 Vinyl Chloride +	62	2.141	2.141	(0.300)	188366	44.8936	44.9	
5 Bromomethane	94	2.511	2.511	(0.352)	69026	35.9201	35.9	
8 Chloroethane	64	2.652	2.652	(0.372)	87263	51.0861	51.1	
9 Trichlorofluoromethane	101	2.815	2.815	(0.395)	135994	50.4335	50.4	
11 1,1-Dichloroethene +	96	3.435	3.435	(0.482)	98955	48.4800	48.5	
12 Carbon Disulfide	76	3.468	3.468	(0.486)	357831	46.9291	46.9	
13 1,1,2Trichlotrifluoroethane	101	3.501	3.501	(0.491)	102042	49.7090	49.7	
14 Methyl Iodide	142	3.620	3.620	(0.507)	118886	39.9837	40.0	
15 Acrolein	56	3.903	3.903	(0.547)	87447	202.468	202	
17 Methylene Chloride	49	4.240	4.240	(0.594)	182261	43.1091	43.1	
18 Acetone	43	4.327	4.327	(0.607)	84708	56.6164	56.6	
19 trans-1,2-Dichloroethene	61	4.458	4.458	(0.625)	158745	46.7594	46.8	

170517

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
	20 Methyl Acetate	43	4.512	4.512	(0.633)	167245	50.7264	50.7	4422
	21 Hexane	57	4.578	4.578	(0.642)	249604	61.1010	61.1	9274
	22 MTBE	73	4.632	4.632	(0.649)	298783	49.0201	49.0	8911
	27 1,1-Dichloroethane ++	63	5.230	5.230	(0.733)	220419	44.7288	44.7	
	29 Acrylonitrile	53	5.306	5.306	(0.744)	363007	243.366	243	
	30 Vinyl Acetate	43	5.556	5.556	(0.779)	357310	55.1151	55.1	
M	61 Total 1,2-Dichloroethene	61				375723	98.9201	98.9	
	31 cis-1,2-Dichloroethene	61	5.850	5.850	(0.820)	216978	52.1607	52.2	
	32 2,2-Dichloropropane	77	5.970	5.970	(0.837)	163824	51.8909	51.9	
	34 Cyclohexane	56	6.057	6.057	(0.849)	289848	48.4117	48.4	9249
	33 Bromochloromethane	128	6.057	6.057	(0.849)	71574	47.3001	47.3	
	35 Chloroform +	83	6.144	6.144	(0.861)	231367	47.1223	47.1	
	36 Carbon Tetrachloride	117	6.274	6.274	(0.880)	117417	49.3583	49.4	
$	39 Dibromofluoromethane	111	6.329	6.329	(0.887)	150012	49.0788	49.1	8602
	40 1,1,1-Trichloroethane	97	6.351	6.351	(0.890)	146318	48.5144	48.5	
	42 2-Butanone	43	6.481	6.481	(0.909)	165813	53.9652	54.0	
	43 1,1-Dichloropropene	75	6.481	6.481	(0.909)	187536	45.9791	46.0	
	45 Benzene	78	6.731	6.731	(0.944)	580823	49.8093	49.8	
$	48 1,2-Dichloroethane-d4	67	6.862	6.862	(0.962)	79889	47.0625	47.1	
	49 1,2-Dichloroethane	62	6.927	6.927	(0.971)	175651	46.1904	46.2	
*	52 FLUOROBENZENE	96	7.134	7.134	(1.000)	568069	50.0000		
	53 Methyl Cyclohexane	83	7.275	7.275	(1.020)	225270	48.5044	48.5	8858
	54 Trichloroethene	130	7.286	7.286	(1.021)	132390	47.4586	47.5	
	57 Dibromomethane	93	7.688	7.688	(1.078)	111300	49.1246	49.1	
	59 1,2-Dichloropropane +	63	7.786	7.786	(1.091)	187995	45.0345	45.0	
	60 Bromodichloromethane	83	7.830	7.830	(1.098)	197212	49.7443	49.7	
	64 1-Bromo-2-chloroethane	63	8.275	8.275	(1.160)	348645	46.6717	46.7	9510
	65 2-Chloroethyl vinyl ether	63	8.340	8.340	(1.169)	165297	52.3937	52.4	
	66 cis-1,3-Dichloropropene	75	8.406	8.406	(1.178)	276735	51.7425	51.7	
M	6 1-3 Dichloropropene-Total	100				508209	101.417	101	0
$	67 Toluene-d8	98	8.569	8.569	(0.864)	457812	47.6361	47.6	
	69 Toluene +	91	8.613	8.613	(0.868)	587422	50.1648	50.2	
	71 4-methyl-2-pentanone	43	8.939	8.939	(1.253)	312307	52.4067	52.4	
	72 Tetrachloroethene	164	8.950	8.950	(0.902)	90761	49.2072	49.2	
	73 trans-1,3-Dichloropropene	75	8.972	8.972	(0.905)	231474	49.1924	49.2	
	75 1,1,2-Trichloroethane	97	9.113	9.113	(0.919)	145192	49.3423	49.3	
	76 Dibromochloromethane	129	9.276	9.276	(0.935)	151259	48.0625	48.1	
	77 1,3-Dichloropropane	76	9.352	9.352	(0.943)	268704	48.8141	48.8	
	79 1,2-Dibromoethane(EDB)	107	9.494	9.494	(0.957)	163885	49.9724	50.0	
	80 2-Hexanone	43	9.657	9.657	(0.974)	244608	53.2713	53.3	
	82 1-Chlorohexane	91	9.896	9.896	(0.998)	237759	52.1910	52.2	8824
*	83 CHLOROBENZENE-d5	82	9.918	9.918	(1.000)	251639	50.0000		
	84 Chlorobenzene ++	112	9.940	9.940	(1.002)	358494	47.0251	47.0	
	85 Ethylbenzene +	106	9.940	9.940	(1.002)	190275	50.3463	50.3	
	86 1,1,1,2-Tetrachloroethane	133	9.983	9.983	(1.007)	113090	45.8972	45.9	
	87 p,m-Xylene	106	10.071	10.071	(1.015)	457388	96.9566	97.0	
	89 o-Xylene	106	10.440	10.440	(1.053)	234604	48.3579	48.4	

170518

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
	90 Styrene	104	10.484	10.484	(1.057)	420457	48.6456	48.6	
	91 Bromoform ++	173	10.528	10.528	(1.061)	97890	53.2513	53.3	
	93 Isopropylbenzene	105	10.702	10.702	(1.079)	536449	47.6253	47.6	
$	94 Bromofluorobenzene	174	10.963	10.963	(1.105)	139467	48.7032	48.7	
	95 n-Propylbenzene	91	11.061	11.061	(0.921)	751035	49.9800	50.0	
	96 Bromobenzene	77	11.061	11.061	(0.921)	305353	50.3374	50.3	
	97 1,1,2,2-Tetrachloroethane++	83	11.115	11.115	(0.926)	247170	52.6044	52.6	
	98 2-Chlorotoluene	91	11.214	11.214	(0.934)	458318	47.3332	47.3	
	99 1,3,5-Trimethylbenzene	105	11.214	11.214	(0.934)	454725	50.0176	50.0	
	100 1,2,3-Trichloropropane	75	11.257	11.257	(0.937)	303523	55.1085	55.1	
	101 trans-1,4-Dichloro-2-Butene	53	11.279	11.279	(0.939)	80731	55.9494	55.9	
	103 4-Chlorotoluene	91	11.366	11.366	(0.946)	434037	48.6727	48.7	
M	124 TOTAL XYLENE	106				691992	145.315	145	
	104 tert-butylbenzene	91	11.519	11.519	(0.959)	254450	48.3271	48.3	
	106 1,2,4-Trimethylbenzene	105	11.584	11.584	(0.965)	473707	50.1719	50.2	
	107 sec-Butylbenzene	105	11.693	11.693	(0.974)	577889	49.0599	49.1	
	108 p-Isopropyltoluene	119	11.813	11.813	(0.984)	461617	49.0590	49.1	
	110 1,3-Dichlorobenzene	146	11.933	11.933	(0.994)	247021	50.9654	51.0	
*	111 1,4-DICHLOROBENZENE-D4	152	12.009	12.009	(1.000)	178716	50.0000		
	112 1,4-Dichlorobenzene	146	12.020	12.020	(1.001)	282594	51.0683	51.1	
	115 n-Butylbenzene	91	12.249	12.249	(1.020)	483153	50.6695	50.7	
	116 1,2-Dichlorobenzene	146	12.477	12.477	(1.039)	245281	51.6165	51.6	
	120 1,2-Dibromo-3-Chloropropane	157	13.422	13.422	(1.118)	39374	54.0807	54.1	
	122 Hexachlorobutadiene	225	14.085	14.085	(1.173)	49369	50.9167	50.9	
	123 1,2,4-Trichlorobenzene	180	14.140	14.140	(1.177)	140238	50.2910	50.3	
	125 Naphthalene	128	14.477	14.477	(1.205)	485870	53.5654	53.6	
	126 1,2,3-Trichlorobenzene	180	14.662	14.662	(1.221)	137421	49.8219	49.8	

170519

Data File: /var/chem/msv5.i/2080610.b/h4729.d

Date : 10-JUN-2008 09:44

Client ID:

Instrument: msv5.i

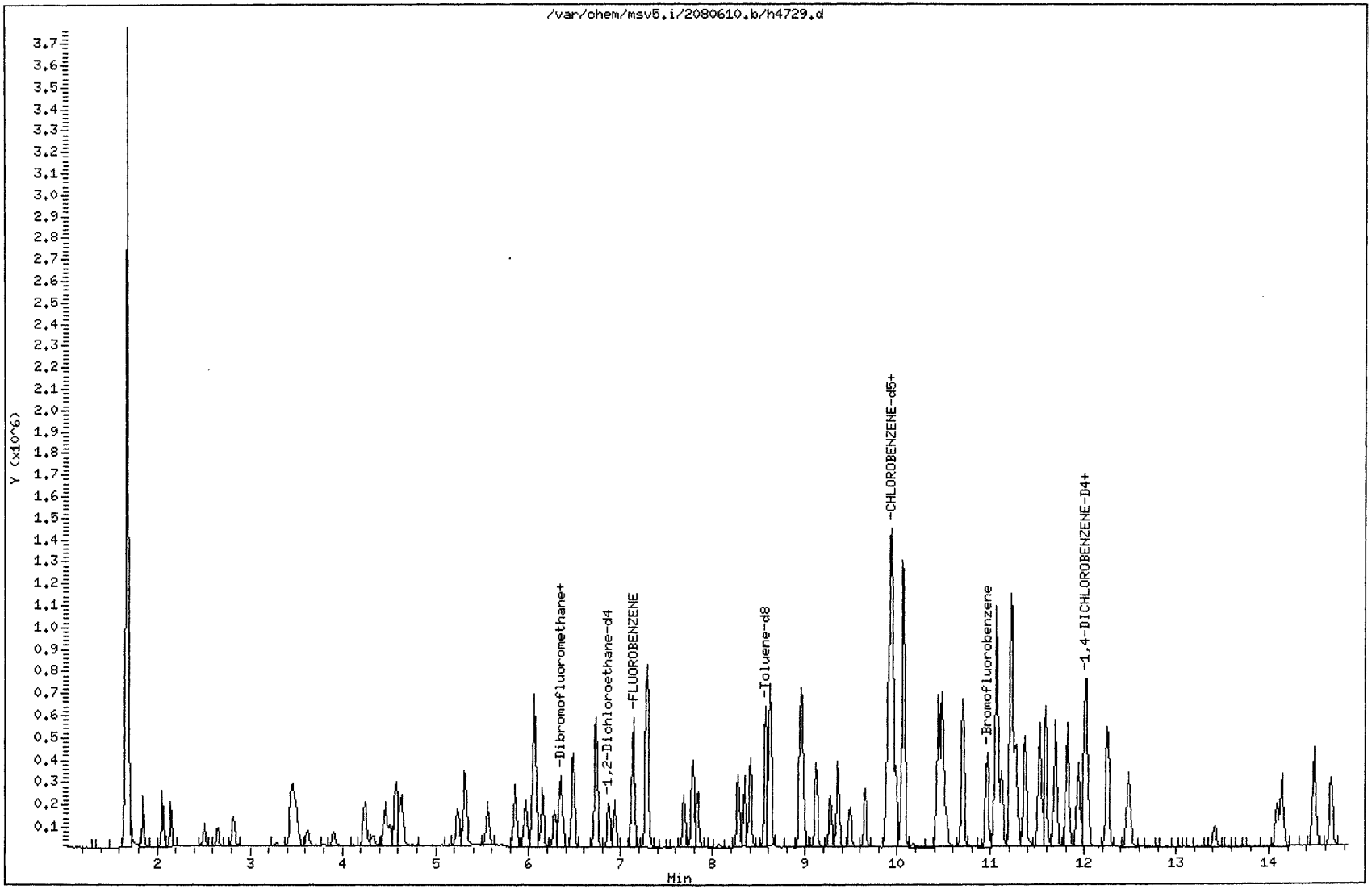
Sample Info: 612775x

Purge Volume: 5.0

Operator: ECW

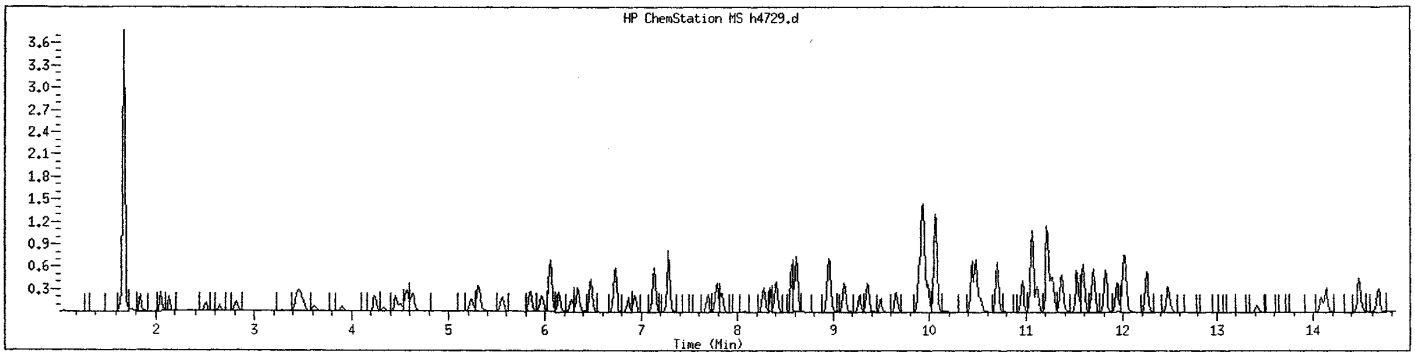
Column phase: DB-VRX-30M

Column diameter: 0.53



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 612775	SampleType	: LCSD
Injection Date	: 06/10/2008 09:44	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 612775*		
Misc Info	: MSV~13454~*1*EGW		
Method	: /var/chem/msv5.i/2080610.b/8260Bw5.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

170521

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS612835

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

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

Level: (low/med) LOW

% Moisture: not dec.

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

Instrument ID: MSV5

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 612835

Lab File ID: 2080610/h4728sL

Date Collected: Time:

Date Received:

Date Analyzed: 06/10/08 Time: 0921

Dilution Factor: 50 Analyst: EGW

Prep Batch: Analytical Batch: 375306

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	2.67		0.00984	0.050

FORM I VOA

170522

GCAL, Inc.

Data file : /var/chem/msv5.i/2080610.b/h4728sL.d
Lab Smp Id: 612835
Inj Date : 10-JUN-2008 09:21
Operator : EGW Inst ID: msv5.i
Smp Info : 612835*
Misc Info : MSV~13460~*50*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 13-Jun-2008 10:21 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 4 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	1.848	1.848	(0.259)	190531	52.0626	2600	
2 Chloromethane ++	50	2.055	2.055	(0.288)	256584	43.2444	2160	
3 Vinyl Chloride +	62	2.141	2.141	(0.300)	199911	48.6109	2430	
5 Bromomethane	94	2.511	2.511	(0.352)	65207	34.6640	1730	
8 Chloroethane	64	2.653	2.653	(0.372)	94929	57.0563	2850	
9 Trichlorofluoromethane	101	2.816	2.816	(0.395)	144804	54.8378	2740	
11 1,1-Dichloroethene +	96	3.436	3.436	(0.482)	102906	51.4376	2570	
12 Carbon Disulfide	76	3.468	3.468	(0.486)	394448	52.7799	2640	
13 1,1,2Trichlotrifluoroethane	101	3.501	3.501	(0.491)	107959	53.6398	2680	
14 Methyl Iodide	142	3.621	3.621	(0.508)	109560	37.5329	1880	
15 Acrolein	56	3.914	3.914	(0.549)	85728	202.512	10100	
17 Methylene Chloride	49	4.241	4.241	(0.594)	203646	49.1435	2460	

170523

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
	18	Acetone	43	4.339	4.339	(0.608)	83647	57.0630	2850	
	19	trans-1,2-Dichloroethene	61	4.458	4.458	(0.625)	177045	53.1690	2660	
	20	Methyl Acetate	43	4.513	4.513	(0.633)	168895	52.2652	2610	4525
	21	Hexane	57	4.578	4.578	(0.642)	207450	51.8114	2590	9269(M2)
	22	MTBE	73	4.633	4.633	(0.649)	333025	55.8076	2790	8907
	27	1,1-Dichloroethane ++	63	5.231	5.231	(0.733)	234276	48.5044	2430	
	29	Acrylonitrile	53	5.307	5.307	(0.744)	356366	243.757	12200	
	30	Vinyl Acetate	43	5.557	5.557	(0.779)	407772	64.9688	3250	
M	61	Total 1,2-Dichloroethene	61				403759	108.772	5440	
	31	cis-1,2-Dichloroethene	61	5.850	5.850	(0.820)	226714	55.6029	2780	
	32	2,2-Dichloropropane	77	5.970	5.970	(0.837)	175703	56.8773	2840	
	34	Cyclohexane	56	6.057	6.057	(0.849)	305257	52.0189	2600	9150
	33	Bromochloromethane	128	6.068	6.068	(0.851)	78291	52.7878	2640	
	35	Chloroform +	83	6.144	6.144	(0.861)	242224	50.3336	2520	
	36	Carbon Tetrachloride	117	6.275	6.275	(0.880)	125687	53.9123	2700	
$	39	Dibromofluoromethane	111	6.329	6.329	(0.887)	149461	49.8897	2490	8560
	40	1,1,1-Trichloroethane	97	6.351	6.351	(0.890)	154413	52.2294	2610	
	42	2-Butanone	43	6.482	6.482	(0.909)	173972	57.9067	2900	
	43	1,1-Dichloropropene	75	6.482	6.482	(0.909)	203062	50.7949	2540	
	45	Benzene	78	6.732	6.732	(0.944)	621339	54.4267	2720	
$	48	1,2-Dichloroethane-d4	67	6.862	6.862	(0.962)	72980	43.8638	2190	
	49	1,2-Dichloroethane	62	6.928	6.928	(0.971)	187315	50.2561	2510	
*	52	FLUOROBENZENE	96	7.134	7.134	(1.000)	556783	50.0000		
	53	Methyl Cyclohexane	83	7.286	7.286	(1.021)	249020	54.7429	2740	9731
	54	Trichloroethene	130	7.286	7.286	(1.021)	137284	50.2077	2510	
	57	Dibromomethane	93	7.689	7.689	(1.078)	119249	53.6975	2680	
	59	1,2-Dichloropropane +	63	7.787	7.787	(1.091)	202551	49.5050	2480	
	60	Bromodichloromethane	83	7.841	7.841	(1.099)	216917	55.7769	2790	
	64	1-Bromo-2-chloroethane	63	8.276	8.276	(1.160)	373980	51.0780	2550	9515
	65	2-Chloroethyl vinyl ether	63	8.341	8.341	(1.169)	164984	53.3545	2670	
	66	cis-1,3-Dichloropropene	75	8.406	8.406	(1.178)	294061	56.0966	2800	
M	6	1-3 Dichloropropene-Total	100				538803	109.701	5490	0
$	67	Toluene-d8	98	8.570	8.570	(0.864)	460903	47.2129	2360	
	69	Toluene +	91	8.613	8.613	(0.868)	625738	52.6383	2630	
	71	4-methyl-2-pentanone	43	8.939	8.939	(1.253)	316755	54.2305	2710	
	72	Tetrachloroethene	164	8.950	8.950	(0.902)	99266	52.9824	2650	
	73	trans-1,3-Dichloropropene	75	8.972	8.972	(0.905)	244742	51.2043	2560	
	75	1,1,2-Trichloroethane	97	9.114	9.114	(0.919)	153807	51.4582	2570	
	76	Dibromochloromethane	129	9.277	9.277	(0.935)	158674	49.6355	2480	
	77	1,3-Dichloropropane	76	9.353	9.353	(0.943)	283447	50.6926	2530	
	79	1,2-Dibromoethane(EDB)	107	9.494	9.494	(0.957)	172020	51.6382	2580	
	80	2-Hexanone	43	9.658	9.658	(0.974)	241520	51.7819	2590	
	82	1-Chlorohexane	91	9.897	9.897	(0.998)	211416	45.6876	2280	8930
*	83	CHLOROBENZENE-d5	82	9.918	9.918	(1.000)	255609	50.0000		
	84	Chlorobenzene ++	112	9.940	9.940	(1.002)	373727	48.2618	2410	
	85	Ethylbenzene +	106	9.940	9.940	(1.002)	205147	53.4601	2670	
	86	1,1,1,2-Tetrachloroethane	133	9.984	9.984	(1.007)	120278	48.0563	2400	

170524

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
87	p,m-Xylene	106	10.060	10.060	(1.014)	484586	101.127	5060	
89	o-Xylene	106	10.441	10.441	(1.053)	245131	49.7431	2490	
90	Styrene	104	10.485	10.485	(1.057)	450315	51.2909	2560	
91	Bromoform ++	173	10.528	10.528	(1.061)	101063	54.1235	2710	
93	Isopropylbenzene	105	10.702	10.702	(1.079)	573959	50.1640	2510	
$ 94	Bromofluorobenzene	174	10.963	10.963	(1.105)	141088	48.5040	2430	
95	n-Propylbenzene	91	11.062	11.062	(0.921)	821563	53.0708	2650	
96	Bromobenzene	77	11.062	11.062	(0.921)	331053	52.9743	2650	
97	1,1,2,2-Tetrachloroethane++	83	11.116	11.116	(0.926)	262823	54.2961	2710	
98	2-Chlorotoluene	91	11.214	11.214	(0.934)	521729	52.3026	2620	
99	1,3,5-Trimethylbenzene	105	11.214	11.214	(0.934)	493344	52.6748	2630	
100	1,2,3-Trichloropropane	75	11.269	11.269	(0.938)	309516	54.5493	2730	
101	trans-1,4-Dichloro-2-Butene	53	11.269	11.269	(0.938)	86842	58.4203	2920	
103	4-Chlorotoluene	91	11.367	11.367	(0.946)	464112	50.5197	2530	
M 124	TOTAL XYLENE	106				729717	150.870	7540	
104	tert-butylbenzene	91	11.519	11.519	(0.959)	322920	59.5337	2980	
106	1,2,4-Trimethylbenzene	105	11.585	11.585	(0.965)	490306	50.4077	2520	
107	sec-Butylbenzene	105	11.694	11.694	(0.974)	627112	51.6781	2580	
108	p-Isopropyltoluene	119	11.814	11.814	(0.984)	480902	49.6104	2480	
110	1,3-Dichlorobenzene	146	11.934	11.934	(0.994)	262530	52.5774	2630	
* 111	1,4-DICHLOROBENZENE-D4	152	12.010	12.010	(1.000)	184113	50.0000		
112	1,4-Dichlorobenzene	146	12.021	12.021	(1.001)	295534	51.8412	2590	
115	n-Butylbenzene	91	12.249	12.249	(1.020)	520594	52.9957	2650	
116	1,2-Dichlorobenzene	146	12.489	12.489	(1.040)	257131	52.5241	2630	
120	1,2-Dibromo-3-Chloropropane	157	13.423	13.423	(1.118)	39795	53.0677	2650	
122	Hexachlorobutadiene	225	14.086	14.086	(1.173)	53941	54.0012	2700	
123	1,2,4-Trichlorobenzene	180	14.140	14.140	(1.177)	151946	52.8923	2640	
125	Naphthalene	128	14.478	14.478	(1.205)	500344	53.5442	2680	
126	1,2,3-Trichlorobenzene	180	14.663	14.663	(1.221)	143154	50.3791	2520	

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

170525

Data File: /var/chem/msv5.i/2080610.b/h4728sL.d

Date : 10-JUN-2008 09:21

Client ID:

Instrument: msv5.i

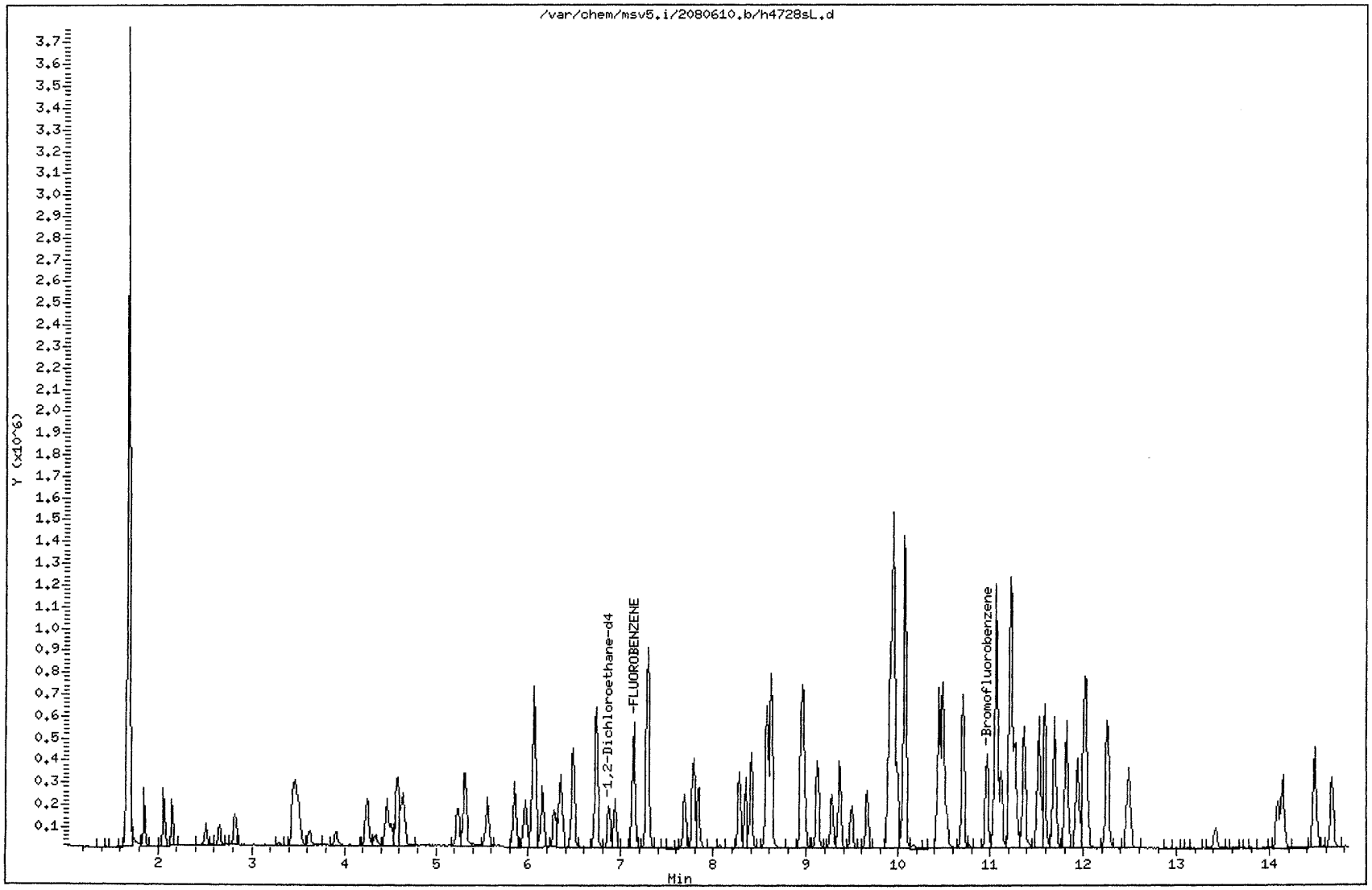
Sample Info: 612835

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-30M

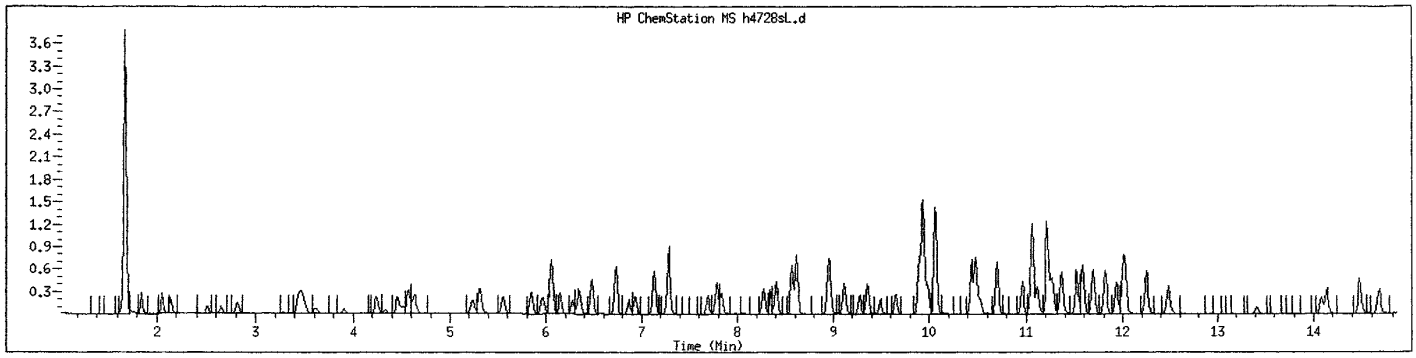
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080610.b/h4728sL.d Page: 1
Report Date: 06/13/2008 10:39

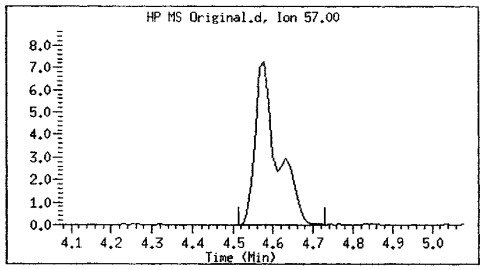
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 612835 SampleType : LCS
Injection Date: 06/10/2008 09:21 Instrument : msv5.i
Operator : EGW
Sample Info : 612835*
Misc Info : MSV~13460~*50*EGW
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Dilution : 50.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



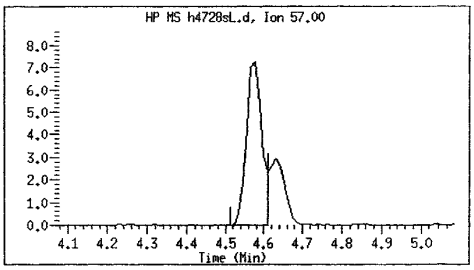
Original Final

21 Hexane CAS#: 110-54-3 Reason: M2



Electronic Signature
Applied

User: egw
Date: 06/10/2008 10:39



M2 - Target system integrated incorrectly

170527

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD612836

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

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

Lab Sample ID: 612836

Level: (low/med) LOW

Lab File ID: 2080610/h4729s

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV5

Date Analyzed: 06/10/08 Time: 0944

Soil Extract Volume: (µL)

Dilution Factor: 50 Analyst: EGW

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375306

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	2.62		0.00984	0.050

GCAL, Inc.

Data file : /var/chem/msv5.i/2080610.b/h4729s.d
Lab Smp Id: 612836
Inj Date : 10-JUN-2008 09:44
Operator : EGW Inst ID: msv5.i
Smp Info : 612836*
Misc Info : MSV~13460~*50*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 13-Jun-2008 10:21 rjo Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 4 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	1.848	1.848	(0.259)	174843	46.8267	2340	
2 Chloromethane ++	50	2.054	2.055	(0.288)	239561	39.5732	1980	
3 Vinyl Chloride +	62	2.141	2.141	(0.300)	188366	44.8936	2240	
5 Bromomethane	94	2.511	2.511	(0.352)	69026	35.9201	1800	
8 Chloroethane	64	2.652	2.653	(0.372)	87263	51.0861	2550	
9 Trichlorofluoromethane	101	2.815	2.816	(0.395)	135994	50.4335	2520	
11 1,1-Dichloroethene +	96	3.435	3.436	(0.482)	98955	48.4800	2420	
12 Carbon Disulfide	76	3.468	3.468	(0.486)	357831	46.9291	2350	
13 1,1,2Trichlotrifluoroethane	101	3.501	3.501	(0.491)	102042	49.7090	2490	
14 Methyl Iodide	142	3.620	3.621	(0.507)	118886	39.9837	2000	
15 Acrolein	56	3.903	3.914	(0.547)	87447	202.468	10100	
17 Methylene Chloride	49	4.240	4.241	(0.594)	182261	43.1091	2160	

170529

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
	18	Acetone	43	4.327	4.339	(0.607)	84708	56.6164	2830	
	19	trans-1,2-Dichloroethene	61	4.458	4.458	(0.625)	158745	46.7594	2340	
	20	Methyl Acetate	43	4.512	4.513	(0.633)	167245	50.7264	2540	4422
	21	Hexane	57	4.578	4.578	(0.642)	249604	61.1010	3060	9274
	22	MTBE	73	4.632	4.633	(0.649)	298783	49.0201	2450	8911
	27	1,1-Dichloroethane ++	63	5.230	5.231	(0.733)	220419	44.7288	2240	
	29	Acrylonitrile	53	5.306	5.307	(0.744)	363007	243.366	12200	
	30	Vinyl Acetate	43	5.556	5.557	(0.779)	357310	55.1151	2760	
M	61	Total 1,2-Dichloroethene	61				375723	98.9201	4950	
	31	cis-1,2-Dichloroethene	61	5.850	5.850	(0.820)	216978	52.1607	2610	
	32	2,2-Dichloropropane	77	5.970	5.970	(0.837)	163824	51.8909	2590	
	34	Cyclohexane	56	6.057	6.057	(0.849)	289848	48.4117	2420	9249
	33	Bromochloromethane	128	6.057	6.068	(0.849)	71574	47.3001	2370	
	35	Chloroform +	83	6.144	6.144	(0.861)	231367	47.1223	2360	
	36	Carbon Tetrachloride	117	6.274	6.275	(0.880)	117417	49.3583	2470	
$	39	Dibromofluoromethane	111	6.329	6.329	(0.887)	150012	49.0788	2450	8602
	40	1,1,1-Trichloroethane	97	6.351	6.351	(0.890)	146318	48.5144	2430	
	42	2-Butanone	43	6.481	6.482	(0.909)	165813	53.9652	2700	
	43	1,1-Dichloropropene	75	6.481	6.482	(0.909)	187536	45.9791	2300	
	45	Benzene	78	6.731	6.732	(0.944)	580823	49.8093	2490	
$	48	1,2-Dichloroethane-d4	67	6.862	6.862	(0.962)	79889	47.0625	2350	
	49	1,2-Dichloroethane	62	6.927	6.928	(0.971)	175651	46.1904	2310	
*	52	FLUOROBENZENE	96	7.134	7.134	(1.000)	568069	50.0000		
	53	Methyl Cyclohexane	83	7.275	7.286	(1.020)	225270	48.5044	2430	8858
	54	Trichloroethene	130	7.286	7.286	(1.021)	132390	47.4586	2370	
	57	Dibromomethane	93	7.688	7.689	(1.078)	111300	49.1246	2460	
	59	1,2-Dichloropropane +	63	7.786	7.787	(1.091)	187995	45.0345	2250	
	60	Bromodichloromethane	83	7.830	7.841	(1.098)	197212	49.7443	2490	
	64	1-Bromo-2-chloroethane	63	8.275	8.276	(1.160)	348645	46.6717	2330	9510
	65	2-Chloroethyl vinyl ether	63	8.340	8.341	(1.169)	165297	52.3937	2620	
	66	cis-1,3-Dichloropropene	75	8.406	8.406	(1.178)	276735	51.7425	2590	
M	6	1-3 Dichloropropene-Total	100				508209	101.417	5070	0
$	67	Toluene-d8	98	8.569	8.570	(0.864)	457812	47.6361	2380	
	69	Toluene +	91	8.613	8.613	(0.868)	587422	50.1648	2510	
	71	4-methyl-2-pentanone	43	8.939	8.939	(1.253)	312307	52.4067	2620	
	72	Tetrachloroethene	164	8.950	8.950	(0.902)	90761	49.2072	2460	
	73	trans-1,3-Dichloropropene	75	8.972	8.972	(0.905)	231474	49.1924	2460	
	75	1,1,2-Trichloroethane	97	9.113	9.114	(0.919)	145192	49.3423	2470	
	76	Dibromochloromethane	129	9.276	9.277	(0.935)	151259	48.0625	2400	
	77	1,3-Dichloropropane	76	9.352	9.353	(0.943)	268704	48.8141	2440	
	79	1,2-Dibromoethane(EDB)	107	9.494	9.494	(0.957)	163885	49.9724	2500	
	80	2-Hexanone	43	9.657	9.658	(0.974)	244608	53.2713	2660	
	82	1-Chlorohexane	91	9.896	9.897	(0.998)	237759	52.1910	2610	8824
*	83	CHLOROBENZENE-d5	82	9.918	9.918	(1.000)	251639	50.0000		
	84	Chlorobenzene ++	112	9.940	9.940	(1.002)	358494	47.0251	2350	
	85	Ethylbenzene +	106	9.940	9.940	(1.002)	190275	50.3463	2520	
	86	1,1,1,2-Tetrachloroethane	133	9.983	9.984	(1.007)	113090	45.8972	2290	

170530

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
	87 p,m-Xylene	106	10.071	10.060	(1.015)	457388	96.9566	4850	
	89 o-Xylene	106	10.440	10.441	(1.053)	234604	48.3579	2420	
	90 Styrene	104	10.484	10.485	(1.057)	420457	48.6456	2430	
	91 Bromoform ++	173	10.528	10.528	(1.061)	97890	53.2513	2660	
	93 Isopropylbenzene	105	10.702	10.702	(1.079)	536449	47.6253	2380	
$	94 Bromofluorobenzene	174	10.963	10.963	(1.105)	139467	48.7032	2440	
	95 n-Propylbenzene	91	11.061	11.062	(0.921)	751035	49.9800	2500	
	96 Bromobenzene	77	11.061	11.062	(0.921)	305353	50.3374	2520	
	97 1,1,2,2-Tetrachloroethane++	83	11.115	11.116	(0.926)	247170	52.6044	2630	
	98 2-Chlorotoluene	91	11.214	11.214	(0.934)	458318	47.3332	2370	
	99 1,3,5-Trimethylbenzene	105	11.214	11.214	(0.934)	454725	50.0176	2500	
	100 1,2,3-Trichloropropane	75	11.257	11.269	(0.937)	303523	55.1085	2760	
	101 trans-1,4-Dichloro-2-Butene	53	11.279	11.269	(0.939)	80731	55.9494	2800	
	103 4-Chlorotoluene	91	11.366	11.367	(0.946)	434037	48.6727	2430	
M	124 TOTAL XYLENE	106				691992	145.315	7270	
	104 tert-butylbenzene	91	11.519	11.519	(0.959)	254450	48.3271	2420	
	106 1,2,4-Trimethylbenzene	105	11.584	11.585	(0.965)	473707	50.1719	2510	
	107 sec-Butylbenzene	105	11.693	11.694	(0.974)	577889	49.0599	2450	
	108 p-Isopropyltoluene	119	11.813	11.814	(0.984)	461617	49.0590	2450	
	110 1,3-Dichlorobenzene	146	11.933	11.934	(0.994)	247021	50.9654	2550	
*	111 1,4-DICHLOROBENZENE-D4	152	12.009	12.010	(1.000)	178716	50.0000		
	112 1,4-Dichlorobenzene	146	12.020	12.021	(1.001)	282594	51.0683	2550	
	115 n-Butylbenzene	91	12.249	12.249	(1.020)	483153	50.6695	2530	
	116 1,2-Dichlorobenzene	146	12.477	12.489	(1.039)	245281	51.6165	2580	
	120 1,2-Dibromo-3-Chloropropane	157	13.422	13.423	(1.118)	39374	54.0807	2700	
	122 Hexachlorobutadiene	225	14.085	14.086	(1.173)	49369	50.9167	2550	
	123 1,2,4-Trichlorobenzene	180	14.140	14.140	(1.177)	140238	50.2910	2510	
	125 Naphthalene	128	14.477	14.478	(1.205)	485870	53.5654	2680	
	126 1,2,3-Trichlorobenzene	180	14.662	14.663	(1.221)	137421	49.8219	2490	

170531

Data File: /var/chem/msv5.i/2080610.b/h4729s.d

Date : 10-JUN-2008 09:44

Client ID:

Instrument: msv5.i

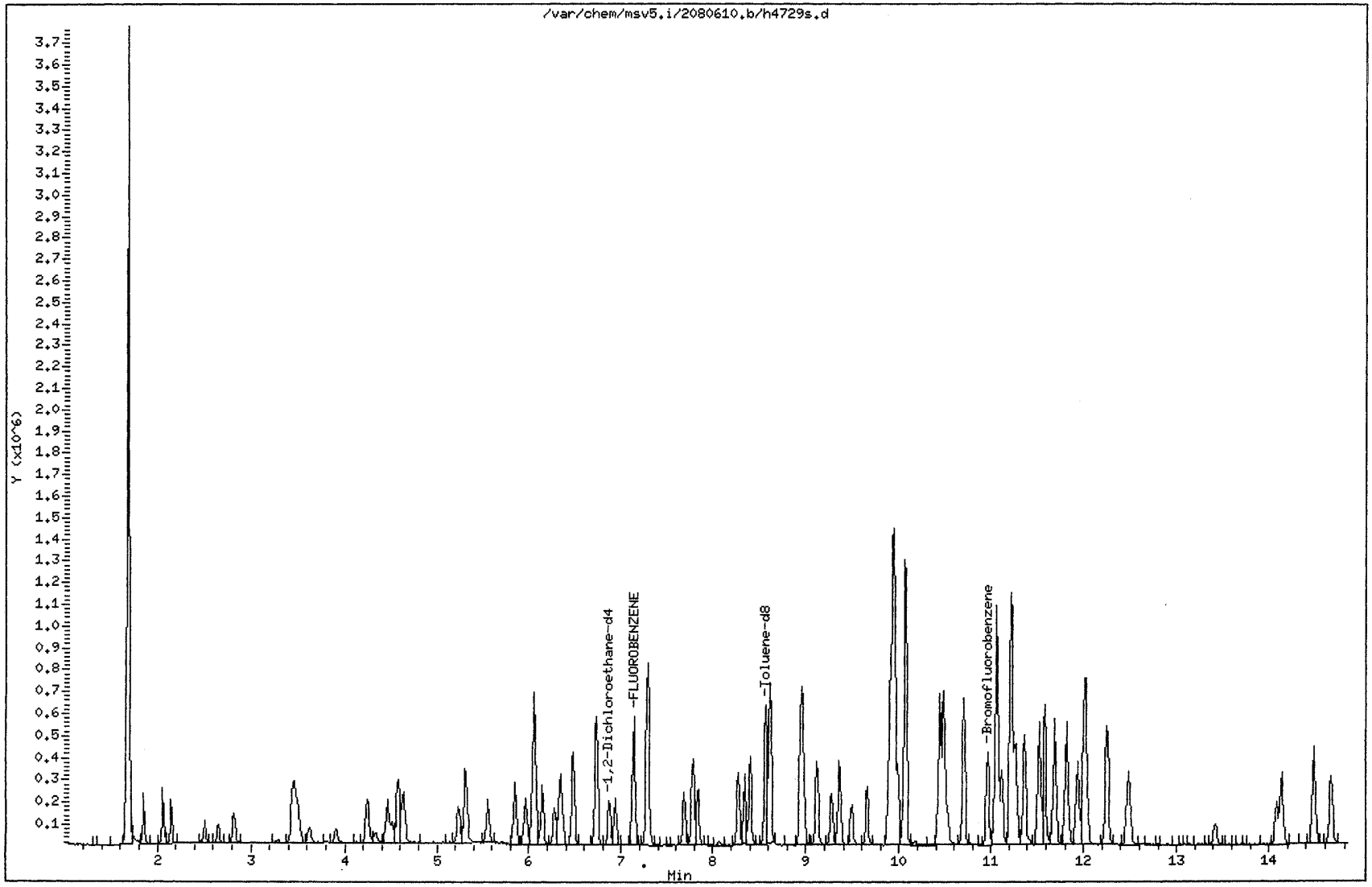
Sample Info: 612836M

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-30M

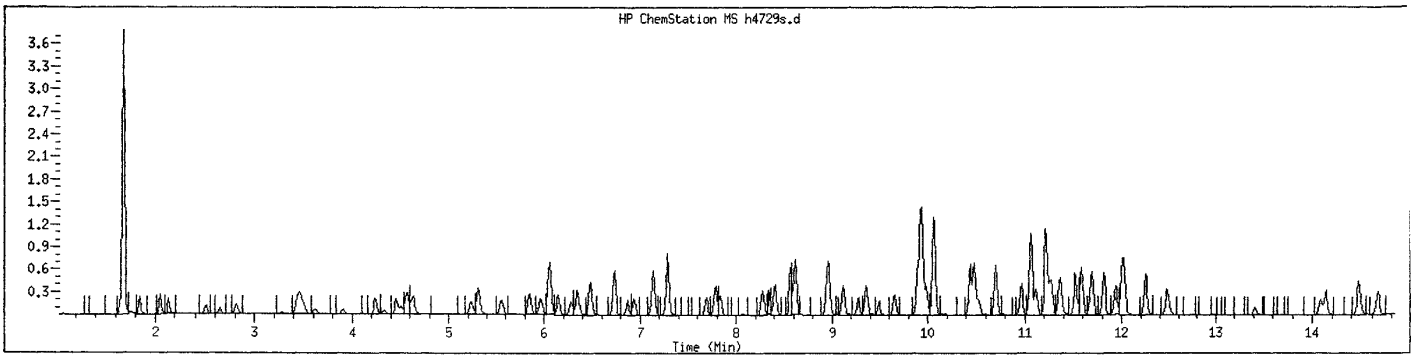
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080610.b/h4729s.d Page: 1
Report Date: 06/13/2008 10:40

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 612836	SampleType	: LCSD
Injection Date	: 06/10/2008 09:44	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 612836*		
Misc Info	: MSV~13460~*50*EGW		
Method	: /var/chem/msv5.i/2080610.b/8260Bw5.m		
Dilution	: 50.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

170533

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

4WSED3 (0-0.5) MS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

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

Lab Sample ID: 20806052206

Level: (low/med) LOW

Lab File ID: 2080610/x8878ms

% Moisture: not dec. 14.2

Date Collected: 06/04/08 Time: 1200

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

Date Received: 06/05/08

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1526

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.060		0.000205	0.00583
71-55-6	1,1,1-Trichloroethane	0.061		0.000143	0.00583
79-34-5	1,1,2,2-Tetrachloroethane	0.073		0.000210	0.00583
79-00-5	1,1,2-Trichloroethane	0.066		0.000133	0.00583
75-34-3	1,1-Dichloroethane	0.060		0.000185	0.00583
75-35-4	1,1-Dichloroethene	0.067		0.000418	0.00583
563-58-6	1,1-Dichloropropene	0.061		0.000151	0.00583
96-18-4	1,2,3-Trichloropropane	0.073		0.000286	0.00233
120-82-1	1,2,4-Trichlorobenzene	0.037		0.000381	0.00583
95-63-6	1,2,4-Trimethylbenzene	0.055		0.000231	0.00583
96-12-8	1,2-Dibromo-3-chloropropane	0.072		0.00101	0.00583
106-93-4	1,2-Dibromoethane	0.070		0.000175	0.00583
95-50-1	1,2-Dichlorobenzene	0.054		0.000133	0.00583
107-06-2	1,2-Dichloroethane	0.057		0.000133	0.00583
78-87-5	1,2-Dichloropropane	0.059		0.000131	0.00583
108-67-8	1,3,5-Trimethylbenzene	0.055		0.000190	0.00583
541-73-1	1,3-Dichlorobenzene	0.054		0.000275	0.00583
142-28-9	1,3-Dichloropropane	0.064		0.000158	0.00583
106-46-7	1,4-Dichlorobenzene	0.057		0.000491	0.00583
594-20-7	2,2-Dichloropropane	0.054		0.000205	0.00583
78-93-3	2-Butanone	0.071		0.000364	0.00583
95-49-8	2-Chlorotoluene	0.057		0.000175	0.00583
591-78-6	2-Hexanone	0.060		0.000963	0.00583
106-43-4	4-Chlorotoluene	0.056		0.000379	0.00583
99-87-6	4-Isopropyltoluene	0.047		0.000188	0.00583
108-10-1	4-Methyl-2-pentanone	0.061		0.000202	0.00583
67-64-1	Acetone	0.072		0.000436	0.029
107-02-8	Acrolein	0.163		0.00273	0.029
107-13-1	Acrylonitrile	0.306		0.000830	0.029
71-43-2	Benzene	0.060		0.000121	0.00583
108-86-1	Bromobenzene	0.059		0.000274	0.00583

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

4WSED3 (0-0.5) MS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

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

Lab Sample ID: 20806052206

Level: (low/med) LOW

Lab File ID: 2080610/x8878ms

% Moisture: not dec. 14.2

Date Collected: 06/04/08 Time: 1200

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

Date Received: 06/05/08

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1526

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-27-4	Bromodichloromethane	0.062		0.000157	0.00583
75-25-2	Bromoform	0.066		0.000197	0.00583
74-83-9	Bromomethane	0.068		0.00175	0.00583
104-51-8	n-Butylbenzene	0.043		0.000207	0.00583
75-15-0	Carbon disulfide	0.051		0.000127	0.00583
56-23-5	Carbon tetrachloride	0.049		0.000140	0.00583
108-90-7	Chlorobenzene	0.059		0.000192	0.00583
75-00-3	Chloroethane	0.079		0.000706	0.00583
67-66-3	Chloroform	0.056		0.000164	0.00583
74-87-3	Chloromethane	0.055		0.000541	0.00583
110-82-7	Cyclohexane	0.056		0.00129	0.00583
124-48-1	Dibromochloromethane	0.064		0.000105	0.00583
74-95-3	Dibromomethane	0.058		0.000182	0.00583
75-71-8	Dichlorodifluoromethane	0.071		0.000424	0.00583
10061-01-5	cis-1,3-Dichloropropene	0.061		0.000134	0.00583
10061-02-6	trans-1,3-Dichloropropene	0.064		0.000164	0.00583
100-41-4	Ethylbenzene	0.059		0.000241	0.00583
87-68-3	Hexachlorobutadiene	0.027		0.00145	0.00583
98-82-8	Isopropylbenzene (Cumene)	0.053		0.000178	0.00583
79-20-9	Methyl Acetate	0.041		0.00178	0.00583
74-88-4	Methyl iodide	0.065		0.00106	0.00583
108-87-2	Methylcyclohexane	0.048		0.000431	0.00583
75-09-2	Methylene chloride	0.055		0.000558	0.012
91-20-3	Naphthalene	0.041		0.000438	0.00583
100-42-5	Styrene	0.056		0.000177	0.00583
127-18-4	Tetrachloroethene	0.060		0.000224	0.00583
108-88-3	Toluene	0.059		0.000641	0.00583
79-01-6	Trichloroethene	0.061		0.000206	0.00583
75-69-4	Trichlorofluoromethane	0.073		0.000294	0.00583
76-13-1	Trichlorotrifluoroethane	0.063		0.000219	0.00583
108-05-4	Vinyl acetate	0.021		0.00114	0.00583
75-01-4	Vinyl chloride	0.062		0.000409	0.00583

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

4WSED3 (0-0.5) MS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

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

Level: (low/med) LOW

% Moisture: not dec. 14.2

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20806052206

Lab File ID: 2080610/x8878ms

Date Collected: 06/04/08 Time: 1200

Date Received: 06/05/08

Date Analyzed: 06/10/08 Time: 1526

Dilution Factor: 1 Analyst: JCK

Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.172		0.000667	0.012
156-59-2	cis-1,2-Dichloroethene	0.057		0.000147	0.00583
136777-61-	m,p-Xylene	0.114		0.000464	0.00583
103-65-1	n-Propylbenzene	0.056		0.000163	0.00583
95-47-6	o-Xylene	0.058		0.000203	0.00583
135-98-8	sec-Butylbenzene	0.046		0.000136	0.00583
1634-04-4	tert-Butyl methyl ether (MTBE)	0.052		0.000086	0.00583
98-06-6	tert-Butylbenzene	0.050		0.000294	0.00583
156-60-5	trans-1,2-Dichloroethene	0.060		0.000191	0.00583
110-57-6	trans-1,4-Dichloro-2-butene	0.070		0.000840	0.00583

GCAL, Inc.

Data file : /var/chem/msv0.i/2080610.b/x8878ms.d
Lab Smp Id: 20806052206
Inj Date : 10-JUN-2008 15:26
Operator : JCK Inst ID: msv0.i
Smp Info : 20806052206*
Misc Info : MSV~13461~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080610.b/8260Bs0.m
Meth Date : 10-Jun-2008 16:13 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 00:07 Cal File: x8806.d
Als bottle: 9 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	5.00000	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	1.595	1.607	(0.249)	268945	60.4963	60.5	9415
2 Chloromethane ++	50	1.773	1.779	(0.276)	471773	47.3970	47.4	7456
4 Vinyl Chloride +	62	1.833	1.845	(0.286)	309369	53.1000	53.1	9593
5 Bromomethane	94	2.110	2.122	(0.329)	114966	58.0248	58.0	9632
6 Chloroethane	64	2.222	2.228	(0.346)	185277	67.6774	67.7	9151
7 Trichlorofluoromethane	101	2.354	2.360	(0.367)	329131	62.7275	62.7	9726
11 1,1-Dichloroethene +	96	2.836	2.842	(0.442)	240347	57.1376	57.1	7549
14 Carbon Disulfide	76	2.856	2.855	(0.445)	709690	43.8008	43.8	7470
9 1,1,2Trichlotrifluoroethane	101	2.889	2.888	(0.450)	235596	54.1721	54.2	9337
13 Methyl Iodide	142	2.981	2.987	(0.465)	135069	56.2146	56.2	8141
10 Acrolein	56	3.206	3.218	(0.500)	59643	140.092	140	8788
18 Methylene Chloride	49	3.477	3.482	(0.542)	388323	47.5078	47.5	8763
12 Acetone	43	3.549	3.568	(0.553)	115820	61.5312	61.5	9198

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.668	3.674	(0.572)	387741	51.8682	51.9	8961
	16 Methyl Acetate	43	3.721	3.740	(0.580)	102288	35.4182	35.4	3825(M2)
	23 Hexane	57	3.767	3.766	(0.587)	442576	42.9948	43.0	9076
	20 MTBE	73	3.813	3.832	(0.594)	355919	44.2663	44.3	8726
	26 1,1-Dichloroethane ++	63	4.467	4.472	(0.696)	477736	51.1306	51.1	9545
	22 Acrylonitrile	53	4.553	4.558	(0.710)	304968	263.467	263	9817
	27 Vinyl Acetate	43	4.804	4.816	(0.749)	124275	17.9837	18.0	(R)
	30 cis-1,2-Dichloroethene	61	5.101	5.100	(0.795)	369227	48.5954	48.6	9500
	29 2,2-Dichloropropane	77	5.213	5.212	(0.813)	206424	46.1078	46.1	9152
	39 Cyclohexane	56	5.286	5.291	(0.824)	497329	47.8038	47.8	7406
	34 Bromochloromethane	128	5.312	5.318	(0.828)	96806	51.2424	51.2	9340
	38 Chloroform +	83	5.411	5.410	(0.844)	444449	48.0389	48.0	9403
	42 Carbon Tetrachloride	117	5.523	5.522	(0.861)	138872	41.7676	41.8	9588
$	41 Dibromofluoromethane	111	5.602	5.608	(0.873)	273743	53.0089	53.0	9631
	40 1,1,1-Trichloroethane	97	5.609	5.608	(0.874)	323884	52.4092	52.4	9662
	43 1,1-Dichloropropene	75	5.734	5.740	(0.894)	372155	52.0180	52.0	8582
	31 2-Butanone	43	5.754	5.760	(0.897)	109843	60.4642	60.5	
	46 Benzene	78	5.992	5.998	(0.934)	1065581	51.0655	51.1	9163
$	47 1,2-Dichloroethane-d4	67	6.137	6.143	(0.957)	128459	55.2070	55.2	9655
	48 1,2-Dichloroethane	62	6.203	6.209	(0.967)	278179	49.2151	49.2	9724
*	49 FLUOROBENZENE	96	6.414	6.413	(1.000)	1038677	50.0000		9688
	52 Methyl cyclohexane	83	6.546	6.545	(1.021)	369452	41.0453	41.0	7874
	50 Trichloroethene	130	6.566	6.565	(1.024)	291116	52.4980	52.5	8818
	58 Dibromomethane	93	6.962	6.968	(1.085)	90713	49.8775	49.9	9589
	54 1,2-Dichloropropane +	63	7.061	7.060	(1.101)	313610	50.4348	50.4	9539
	61 Bromodichloromethane	83	7.121	7.126	(1.110)	328220	53.2677	53.3	9420
	64 1-Bromo-2-chloroethane	63	7.557	7.556	(1.178)	428140	53.3352	53.3	9445
	65 cis-1,3-Dichloropropene	75	7.702	7.701	(1.201)	385977	52.5414	52.5	
$	67 Toluene-d8	98	7.860	7.866	(0.854)	970544	52.5163	52.5	9563
	68 Toluene +	91	7.907	7.905	(0.859)	1187156	50.4212	50.4	9420
	66 4-methyl-2-pentanone	43	8.256	8.255	(1.287)	237418	52.2308	52.2	
	78 Tetrachloroethene	164	8.237	8.236	(0.895)	194954	51.5445	51.5	5915
	71 trans-1,3-Dichloropropene	75	8.283	8.282	(0.900)	289089	55.2568	55.3	
	76 1,1,2-Trichloroethane	97	8.421	8.420	(0.915)	195814	56.6957	56.7	9613
	81 Dibromochloromethane	129	8.567	8.566	(0.930)	225190	55.2606	55.3	9564
	79 1,3-Dichloropropane	76	8.653	8.652	(0.940)	343959	55.1190	55.1	9085
	83 1,2-Dibromoethane(EDB)	107	8.771	8.770	(0.953)	178706	60.1230	60.1	9682
	80 2-Hexanone	43	8.976	8.975	(0.975)	173178	51.1735	51.2	9509
	84 1-Chlorohexane	91	9.200	9.200	(1.434)	401436	41.6191	41.6	3768(M2)
*	85 Chlorobenzene-d5	82	9.207	9.206	(1.000)	429964	50.0000		7439
	86 Chlorobenzene ++	112	9.220	9.219	(1.001)	713059	50.2774	50.3	8041
	87 Ethylbenzene +	106	9.247	9.246	(1.004)	402061	50.7834	50.8	9407
	89 1,1,1,2-Tetrachloroethane	133	9.280	9.272	(1.008)	205905	51.5684	51.6	9629
M	75 Total 1,2-Dichloroethene	61				756968	100.464	100	0
	90 p,m-Xylene	106	9.366	9.371	(1.017)	954153	98.0461	98.0	9502(H)
M	77 1-3 Dichloropropene-Total	100				675066	107.798	108	0
	91 o-Xylene	106	9.735	9.734	(1.057)	470034	49.7580	49.8	

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
92	Styrene	104	9.781	9.780	(1.062)	730141	48.0539	48.1	9530
95	Bromoform ++	173	9.808	9.807	(1.065)	112739	56.8110	56.8	7782
96	Isopropylbenzene	105	9.999	9.998	(1.086)	1105729	45.6533	45.7	9572
$ 98	Bromofluorobenzene	174	10.244	10.249	(1.113)	239358	51.1956	51.2	9475
102	Bromobenzene	77	10.336	10.342	(0.922)	490185	50.8856	50.9	8490
103	n-Propylbenzene	91	10.356	10.355	(0.924)	1342649	47.9933	48.0	8803
101	1,1,2,2-Tetrachloroethane++	83	10.415	10.414	(0.929)	244153	62.5125	62.5	9612
105	2-Chlorotoluene	91	10.494	10.493	(0.936)	854429	49.0198	49.0	9239
107	1,3,5-Trimethylbenzene	105	10.521	10.520	(0.939)	873801	46.9605	47.0	
104	1,2,3-Trichloropropane	75	10.541	10.540	(0.941)	247357	62.5532	62.6	9333
106	trans-1,4-Dichloro-2-Butene	53	10.574	10.573	(0.943)	37789	59.8594	59.9	8830
108	4-Chlorotoluene	91	10.633	10.639	(0.949)	740796	48.3105	48.3	9610
109	tert-butylbenzene	91	10.792	10.797	(0.963)	453395	43.2138	43.2	9460
110	1,2,4-Trimethylbenzene	105	10.851	10.850	(0.968)	871627	47.1571	47.2	
112	sec-Butylbenzene	105	10.943	10.949	(0.976)	1015706	39.9431	39.9	(R)
113	p-Isopropyltoluene	119	11.069	11.068	(0.988)	836431	40.6901	40.7	9614
114	1,3-Dichlorobenzene	146	11.141	11.140	(0.994)	395381	46.1989	46.2	
* 115	1,4-DICHLOROBENZENE-D4	152	11.207	11.207	(1.000)	270416	50.0000		7034
117	1,4-Dichlorobenzene	146	11.221	11.220	(1.001)	431894	48.5833	48.6	
119	n-Butylbenzene	91	11.445	11.444	(1.021)	678833	36.6065	36.6	9654(R)
120	1,2-Dichlorobenzene	146	11.617	11.616	(1.037)	348520	46.0968	46.1	
121	1,2-Dibromo-3-Chloropropane	157	12.462	12.461	(1.112)	29117	61.9425	61.9	8967
124	Hexachlorobutadiene	225	13.241	13.240	(1.181)	74052	23.4041	23.4	9194(R)
123	1,2,4-Trichlorobenzene	180	13.287	13.293	(1.186)	123009	31.3709	31.4	(R)
125	Napthalene	128	13.677	13.676	(1.220)	230196	35.5290	35.5	9663
126	1,2,3-Trichlorobenzene	180	13.861	13.860	(1.237)	107752	29.8004	29.8	(R)
M 127	TOTAL XYLENE	106				1424187	147.804	148	0

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

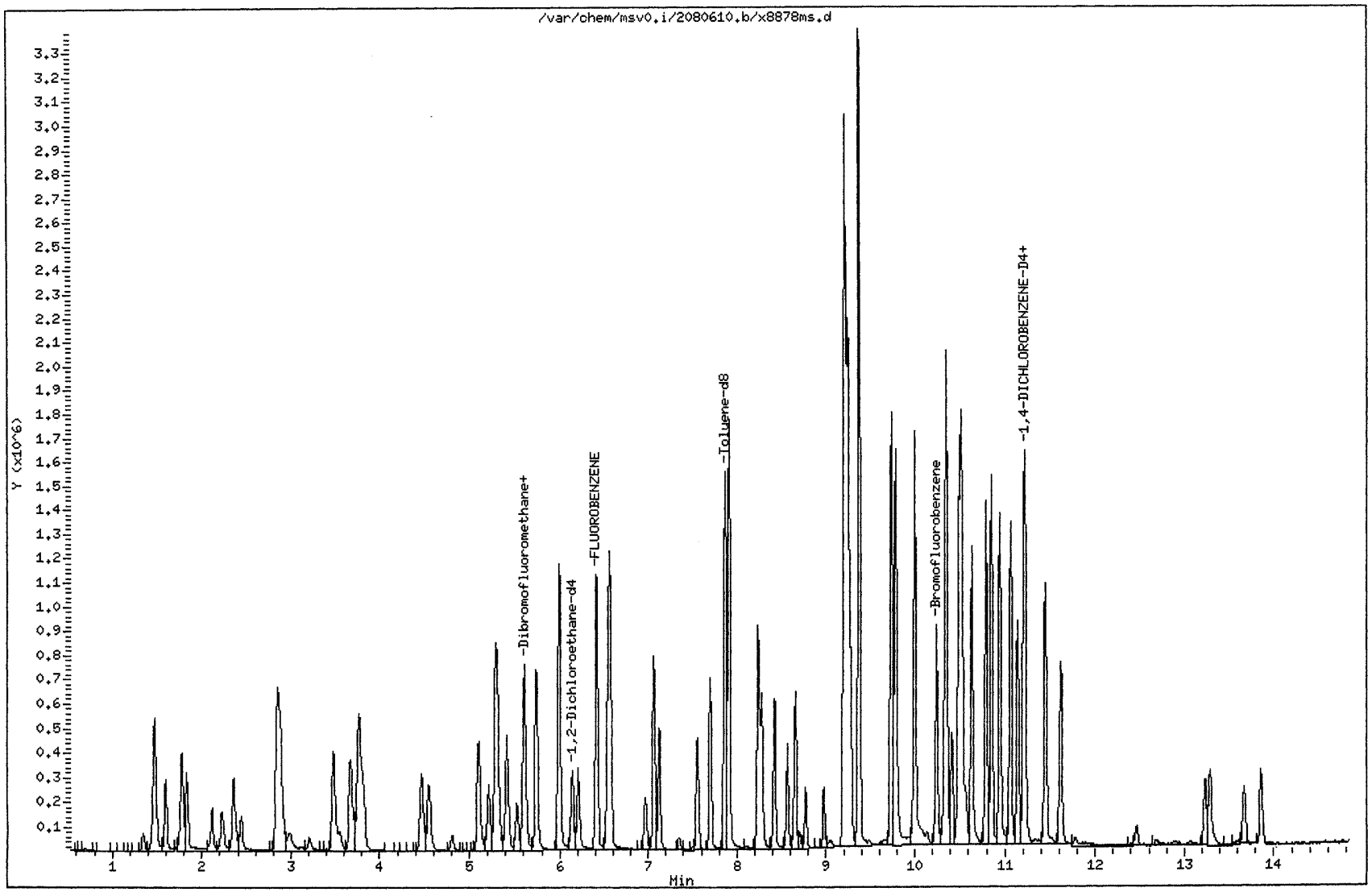
170539

Data File: /var/chem/msv0.i/2080610.b/x8878ms.d
Date : 10-JUN-2008 15:26
Client ID:
Sample Info: 20806052206*

Column phase: DB-624-30M

Instrument: msv0.i

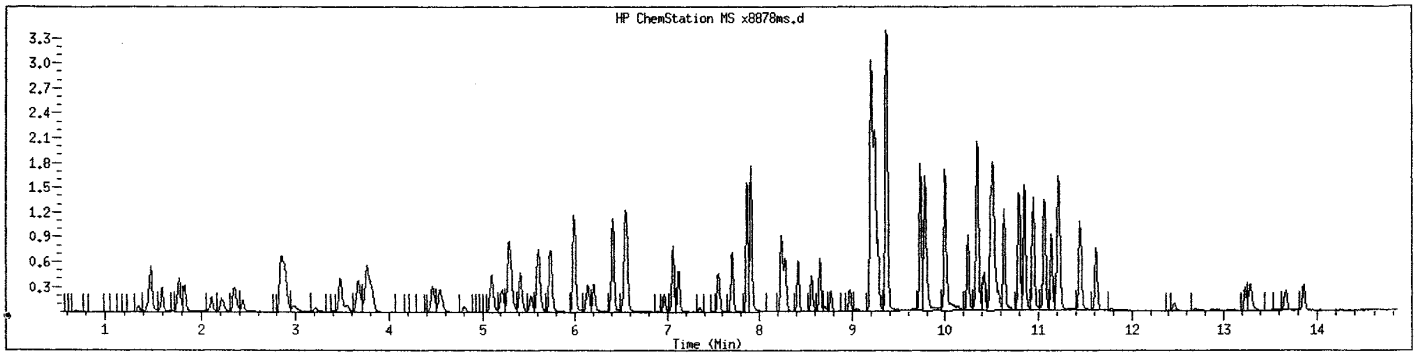
Operator: JCK
Column diameter: 0.53



Data file : /var/chem/msv0.i/2080610.b/x8878ms.d Page: 1
Report Date: 06/10/2008 16:46

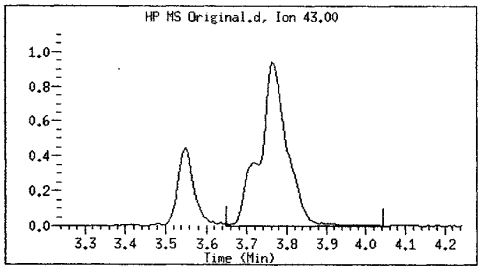
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052206 SampleType : MS
Injection Date: 06/10/2008 15:26 Instrument : msv0.i
Operator : JCK
Sample Info : 20806052206*
Misc Info : MSV~13461~*1*JCK
Method : /var/chem/msv0.i/2080610.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



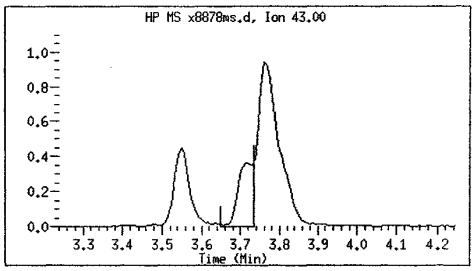
Original Final

16 Methyl Acetate CAS#: 79-20-9 Reason: M2

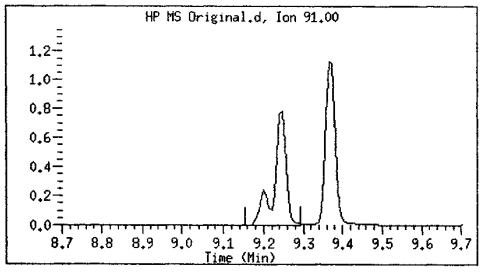


Electronic Signature Applied

User: jck
Date: 06/10/2008 16:45

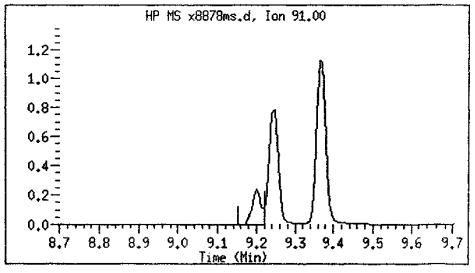


84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



Electronic Signature Applied

User: jck
Date: 06/10/2008 16:45



170541

M2 - Target system integrated incorrectly

170542

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

4WSED3 (0-0.5) MS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.32 (g/ml) g

Lab Sample ID: 20806052206

Level: (low/med) LOW

Lab File ID: 2080610/h4738s

% Moisture: not dec. 14.2

Date Collected: 06/04/08 Time: 1200

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

Date Received: 06/05/08

Instrument ID: MSV5

Date Analyzed: 06/10/08 Time: 1312

Soil Extract Volume: (µL)

Dilution Factor: 50 Analyst: EGW

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375306

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	2.93		0.011	0.055
71-36-3	n-Butyl alcohol	0.274	U	0.055	0.274

GCAL, Inc.

Data file : /var/chem/msv5.i/2080610.b/h4738s.d
Lab Smp Id: 20806052206 Client Smp ID: MS
Inj Date : 10-JUN-2008 13:12
Operator : EGW Inst ID: msv5.i
Smp Info : 20806052206*MS
Misc Info : MSV~13460~*50*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 10-Jun-2008 17:08 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 12 QC Sample: MS
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	5.32000	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	1.837	1.848	(0.258)	178297	52.2359	2450	
2 Chloromethane ++	50	2.054	2.055	(0.288)	257821	46.5890	2190	
3 Vinyl Chloride +	62	2.141	2.141	(0.300)	205102	53.4727	2510	
5 Bromomethane	94	2.500	2.511	(0.350)	46174	26.6065	1250	
8 Chloroethane	64	2.609	2.653	(0.366)	17322	8.55802	402	(R)
9 Trichlorofluoromethane	101	2.750	2.816	(0.386)	97574	39.4626	1850	
11 1,1-Dichloroethene +	96	3.414	3.436	(0.478)	94151	50.4580	2370	
12 Carbon Disulfide	76	3.436	3.468	(0.482)	356830	51.1924	2410	
13 1,1,2Trichlotrifluoroethane	101	3.479	3.501	(0.488)	102995	54.8617	2580	
14 Methyl Iodide	142	3.599	3.621	(0.504)	98501	36.1428	1700	
15 Acrolein	56	3.903	3.914	(0.547)	106992	270.984	12700	
17 Methylene Chloride	49	4.230	4.241	(0.593)	196011	50.7149	2380	

170544

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
	18	Acetone	43	4.338	4.339	(0.608)	81563	59.7935	2810	
	19	trans-1,2-Dichloroethene	61	4.447	4.458	(0.623)	162551	52.3438	2460	
	20	Methyl Acetate	43	4.502	4.513	(0.631)	168473	55.8974	2630	4403
	21	Hexane	57	4.556	4.578	(0.639)	180866	48.4322	2280	9242
	22	MTBE	73	4.632	4.633	(0.649)	308025	55.3399	2600	8888
	27	1,1-Dichloroethane ++	63	5.230	5.231	(0.733)	210058	46.6292	2190	
	29	Acrylonitrile	53	5.307	5.307	(0.744)	325136	238.447	11200	
	30	Vinyl Acetate	43	5.546	5.557	(0.777)	329100	55.5636	2610	
M	61	Total 1,2-Dichloroethene	61				361291	104.607	4920	
	31	cis-1,2-Dichloroethene	61	5.840	5.850	(0.819)	198740	52.2628	2460	
	32	2,2-Dichloropropane	77	5.959	5.970	(0.835)	166241	57.7130	2710	
	34	Cyclohexane	56	6.046	6.057	(0.848)	284245	51.9342	2440	8815
	33	Bromochloromethane	128	6.057	6.068	(0.849)	67632	48.8921	2300	
	35	Chloroform +	83	6.144	6.144	(0.861)	222763	49.6305	2330	
	36	Carbon Tetrachloride	117	6.275	6.275	(0.880)	119042	54.7484	2570	
$	39	Dibromofluoromethane	111	6.329	6.329	(0.887)	136123	48.7169	2290	9387
	40	1,1,1-Trichloroethane	97	6.340	6.351	(0.889)	153376	55.6171	2610	
	42	2-Butanone	43	6.482	6.482	(0.909)	162564	58.0185	2730	
	43	1,1-Dichloropropene	75	6.471	6.482	(0.907)	194376	52.1314	2450	
	45	Benzene	78	6.721	6.732	(0.942)	579154	54.3925	2560	
$	48	1,2-Dichloroethane-d4	67	6.862	6.862	(0.962)	74856	48.2386	2270	
	49	1,2-Dichloroethane	62	6.928	6.928	(0.971)	172445	49.6057	2330	
*	52	FLUOROBENZENE	96	7.134	7.134	(1.000)	519303	50.0000		
	53	Methyl Cyclohexane	83	7.276	7.286	(1.020)	227637	53.6480	2520	9146
	54	Trichloroethene	130	7.287	7.286	(1.021)	130989	51.3619	2410	
	57	Dibromomethane	93	7.689	7.689	(1.078)	105357	50.8674	2390	
	59	1,2-Dichloropropane +	63	7.776	7.787	(1.090)	176677	46.2977	2180	
	60	Bromodichloromethane	83	7.830	7.841	(1.098)	192429	53.0701	2490	
	64	1-Bromo-2-chloroethane	63	8.276	8.276	(1.160)	336734	49.3103	2320	9443
	65	2-Chloroethyl vinyl ether	63	8.341	8.341	(1.169)	153748	53.3094	2510	
	66	cis-1,3-Dichloropropene	75	8.406	8.406	(1.178)	259219	53.0189	2490	
M	6	1-3 Dichloropropene-Total	100				482840	105.402	4950	0
$	67	Toluene-d8	98	8.570	8.570	(0.864)	435982	51.2961	2410	
	69	Toluene +	91	8.613	8.613	(0.868)	577473	55.8349	2620	
	71	4-methyl-2-pentanone	43	8.939	8.939	(1.253)	278358	51.0963	2400	
	72	Tetrachloroethene	164	8.950	8.950	(0.902)	88661	54.3535	2550	
	73	trans-1,3-Dichloropropene	75	8.972	8.972	(0.905)	223621	53.7371	2530	
	75	1,1,2-Trichloroethane	97	9.114	9.114	(0.919)	138432	53.1960	2500	
	76	Dibromochloromethane	129	9.277	9.277	(0.935)	151207	54.3279	2550	
	77	1,3-Dichloropropane	76	9.353	9.353	(0.943)	272105	55.8951	2630	
	79	1,2-Dibromoethane(EDB)	107	9.495	9.494	(0.957)	159056	54.8412	2580	
	80	2-Hexanone	43	9.658	9.658	(0.974)	221750	54.6075	2570	
	82	1-Chlorohexane	91	9.897	9.897	(0.998)	200677	49.8106	2340	8785
*	83	CHLOROBENZENE-d5	82	9.919	9.918	(1.000)	222542	50.0000		
	84	Chlorobenzene ++	112	9.930	9.940	(1.001)	359952	53.3898	2510	
	85	Ethylbenzene +	106	9.941	9.940	(1.002)	190588	57.0698	2680	
	86	1,1,1,2-Tetrachloroethane	133	9.984	9.984	(1.007)	113804	52.2259	2450	

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
87	p,m-Xylene	106	10.061	10.060	(1.014)	455616	109.209	5130	
89	o-Xylene	106	10.441	10.441	(1.053)	232656	54.2266	2550	
90	Styrene	104	10.485	10.485	(1.057)	412118	53.9150	2530	
91	Bromoform ++	173	10.529	10.528	(1.061)	90350	55.5758	2610	
93	Isopropylbenzene	105	10.703	10.702	(1.079)	514756	51.6746	2430	
$ 94	Bromofluorobenzene	174	10.964	10.963	(1.105)	128910	50.9024	2390	
95	n-Propylbenzene	91	11.062	11.062	(0.921)	753045	50.9650	2390	
96	Bromobenzene	77	11.062	11.062	(0.921)	297179	49.8221	2340	
97	1,1,2,2-Tetrachloroethane++	83	11.116	11.116	(0.926)	225884	48.8907	2300	
98	2-Chlorotoluene	91	11.215	11.214	(0.934)	493187	51.7995	2430	
99	1,3,5-Trimethylbenzene	105	11.215	11.214	(0.934)	461454	51.6199	2430	
100	1,2,3-Trichloropropane	75	11.258	11.269	(0.937)	287568	53.0986	2500	
101	trans-1,4-Dichloro-2-Butene	53	11.280	11.269	(0.939)	68496	48.2764	2270	
103	4-Chlorotoluene	91	11.367	11.367	(0.946)	429200	48.9479	2300	
M 124	TOTAL XYLENE	106				688272	163.435	7680	
104	tert-butylbenzene	91	11.520	11.519	(0.959)	265291	51.2420	2410	
106	1,2,4-Trimethylbenzene	105	11.585	11.585	(0.965)	462572	49.8247	2340	
107	sec-Butylbenzene	105	11.694	11.694	(0.974)	580870	50.1506	2360	
108	p-Isopropyltoluene	119	11.814	11.814	(0.984)	475692	51.4136	2420	
110	1,3-Dichlorobenzene	146	11.934	11.934	(0.994)	243400	51.0713	2400	
* 111	1,4-DICHLOROBENZENE-D4	152	12.010	12.010	(1.000)	175731	50.0000		
112	1,4-Dichlorobenzene	146	12.021	12.021	(1.001)	276904	50.8901	2390	
115	n-Butylbenzene	91	12.250	12.249	(1.020)	490368	52.2997	2460	
116	1,2-Dichlorobenzene	146	12.489	12.489	(1.040)	245570	52.5551	2470	
120	1,2-Dibromo-3-Chloropropane	157	13.424	13.423	(1.118)	38259	53.4487	2510	
122	Hexachlorobutadiene	225	14.086	14.086	(1.173)	52070	54.6145	2570	
123	1,2,4-Trichlorobenzene	180	14.141	14.140	(1.177)	139767	50.9735	2400	
125	Naphthalene	128	14.478	14.478	(1.205)	468857	52.5678	2470	
126	1,2,3-Trichlorobenzene	180	14.663	14.663	(1.221)	137118	50.5565	2380	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

170546

Data File: /var/chem/msv5.i/2080610.b/h4738s.d

Date : 10-JUN-2008 13:12

Client ID: MS

Sample Info: 20806052206xMS

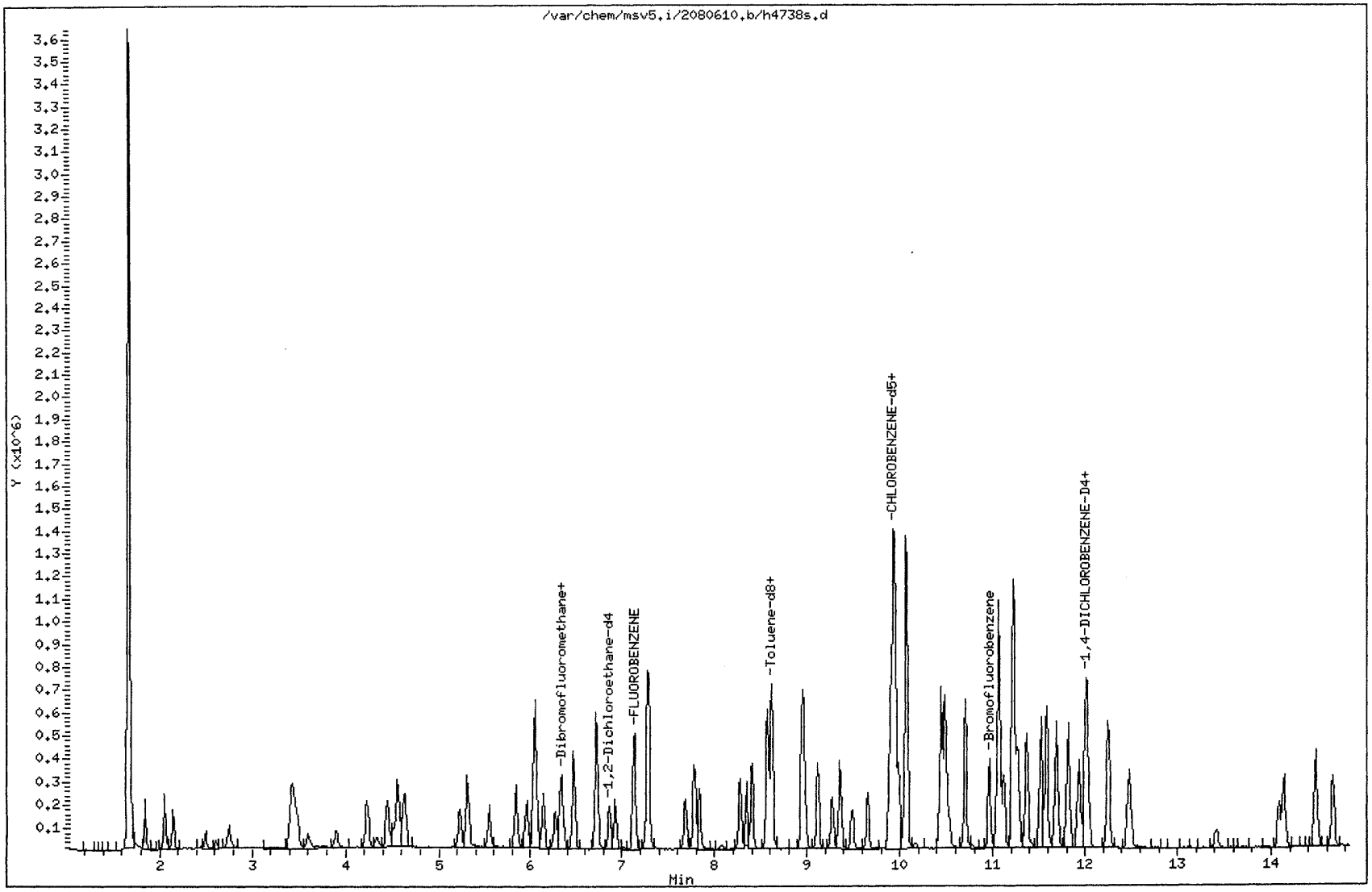
Purge Volume: 5.0

Column phase: DB-VRX-30M

Instrument: msv5.i

Operator: EGW

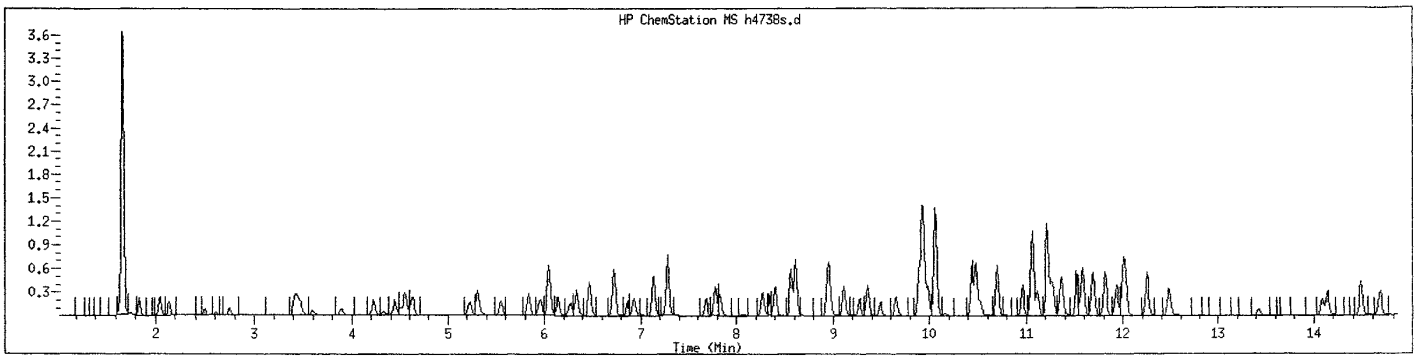
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080610.b/h4738s.d Page: 1
Report Date: 06/11/2008 13:18

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052206	SampleType	: MS
Injection Date	: 06/10/2008 13:12	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 20806052206*MS		
Misc Info	: MSV~13460~*50*EGW		
Method	: /var/chem/msv5.i/2080610.b/8260Bw5.m		
Dilution	: 50.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

170548

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

4WSED3 (0-0.5) MSD

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 4.99 (g/ml) g

Lab Sample ID: 20806052207

Level: (low/med) LOW

Lab File ID: 2080610/x8879msd

% Moisture: not dec. 14.2

Date Collected: 06/04/08 Time: 1200

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

Date Received: 06/05/08

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1550

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.044		0.000206	0.00584
71-55-6	1,1,1-Trichloroethane	0.046		0.000144	0.00584
79-34-5	1,1,2,2-Tetrachloroethane	0.047		0.000210	0.00584
79-00-5	1,1,2-Trichloroethane	0.051		0.000133	0.00584
75-34-3	1,1-Dichloroethane	0.048		0.000186	0.00584
75-35-4	1,1-Dichloroethene	0.050		0.000419	0.00584
563-58-6	1,1-Dichloropropene	0.045		0.000152	0.00584
96-18-4	1,2,3-Trichloropropane	0.049		0.000286	0.00234
120-82-1	1,2,4-Trichlorobenzene	0.030		0.000382	0.00584
95-63-6	1,2,4-Trimethylbenzene	0.034		0.000231	0.00584
96-12-8	1,2-Dibromo-3-chloropropane	0.052		0.00101	0.00584
106-93-4	1,2-Dibromoethane	0.055		0.000175	0.00584
95-50-1	1,2-Dichlorobenzene	0.035		0.000133	0.00584
107-06-2	1,2-Dichloroethane	0.050		0.000133	0.00584
78-87-5	1,2-Dichloropropane	0.048		0.000131	0.00584
108-67-8	1,3,5-Trimethylbenzene	0.034		0.000190	0.00584
541-73-1	1,3-Dichlorobenzene	0.034		0.000276	0.00584
142-28-9	1,3-Dichloropropane	0.050		0.000159	0.00584
106-46-7	1,4-Dichlorobenzene	0.035		0.000492	0.00584
594-20-7	2,2-Dichloropropane	0.043		0.000206	0.00584
78-93-3	2-Butanone	0.057		0.000364	0.00584
95-49-8	2-Chlorotoluene	0.034		0.000175	0.00584
591-78-6	2-Hexanone	0.050		0.000965	0.00584
106-43-4	4-Chlorotoluene	0.034		0.000380	0.00584
99-87-6	4-Isopropyltoluene	0.031		0.000188	0.00584
108-10-1	4-Methyl-2-pentanone	0.054		0.000202	0.00584
67-64-1	Acetone	0.059		0.000437	0.029
107-02-8	Acrolein	0.150		0.00273	0.029
107-13-1	Acrylonitrile	0.276		0.000831	0.029
71-43-2	Benzene	0.047		0.000121	0.00584
108-86-1	Bromobenzene	0.036		0.000274	0.00584

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

4WSED3 (0-0.5) MSD

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 4.99 (g/ml) g

Lab Sample ID: 20806052207

Level: (low/med) LOW

Lab File ID: 2080610/x8879msd

% Moisture: not dec. 14.2

Date Collected: 06/04/08 Time: 1200

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

Date Received: 06/05/08

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1550

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

CONCENTRATION UNITS: mg/kg

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-27-4	Bromodichloromethane	0.050		0.000158	0.00584
75-25-2	Bromoform	0.051		0.000197	0.00584
74-83-9	Bromomethane	0.064		0.00176	0.00584
104-51-8	n-Butylbenzene	0.031		0.000208	0.00584
75-15-0	Carbon disulfide	0.037		0.000127	0.00584
56-23-5	Carbon tetrachloride	0.036		0.000140	0.00584
108-90-7	Chlorobenzene	0.042		0.000193	0.00584
75-00-3	Chloroethane	0.064		0.000708	0.00584
67-66-3	Chloroform	0.045		0.000165	0.00584
74-87-3	Chloromethane	0.045		0.000542	0.00584
110-82-7	Cyclohexane	0.040		0.00129	0.00584
124-48-1	Dibromochloromethane	0.049		0.000105	0.00584
74-95-3	Dibromomethane	0.050		0.000182	0.00584
75-71-8	Dichlorodifluoromethane	0.057		0.000425	0.00584
10061-01-5	cis-1,3-Dichloropropene	0.051		0.000134	0.00584
10061-02-6	trans-1,3-Dichloropropene	0.050		0.000165	0.00584
100-41-4	Ethylbenzene	0.041		0.000242	0.00584
87-68-3	Hexachlorobutadiene	0.026		0.00145	0.00584
98-82-8	Isopropylbenzene (Cumene)	0.038		0.000179	0.00584
79-20-9	Methyl Acetate	0.035		0.00179	0.00584
74-88-4	Methyl iodide	0.068		0.00106	0.00584
108-87-2	Methylcyclohexane	0.036		0.000432	0.00584
75-09-2	Methylene chloride	0.047		0.000559	0.012
91-20-3	Naphthalene	0.034		0.000439	0.00584
100-42-5	Styrene	0.041		0.000177	0.00584
127-18-4	Tetrachloroethene	0.040		0.000224	0.00584
108-88-3	Toluene	0.043		0.000642	0.00584
79-01-6	Trichloroethene	0.045		0.000207	0.00584
75-69-4	Trichlorofluoromethane	0.055		0.000294	0.00584
76-13-1	Trichlorotrifluoroethane	0.047		0.000220	0.00584
108-05-4	Vinyl acetate	0.021		0.00114	0.00584
75-01-4	Vinyl chloride	0.050		0.000410	0.00584

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

4WSED3 (0-0.5) MSD

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 4.99 (g/ml) g

Lab Sample ID: 20806052207

Level: (low/med) LOW

Lab File ID: 2080610/x8879msd

% Moisture: not dec. 14.2

Date Collected: 06/04/08 Time: 1200

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

Date Received: 06/05/08

Instrument ID: MSV0

Date Analyzed: 06/10/08 Time: 1550

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375350

CONCENTRATION UNITS: mg/kg

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.122		0.000668	0.012
156-59-2	cis-1,2-Dichloroethene	0.045		0.000147	0.00584
136777-61-	m,p-Xylene	0.081		0.000465	0.00584
103-65-1	n-Propylbenzene	0.034		0.000163	0.00584
95-47-6	o-Xylene	0.041		0.000203	0.00584
135-98-8	sec-Butylbenzene	0.030		0.000137	0.00584
1634-04-4	tert-Butyl methyl ether (MTBE)	0.052		0.000086	0.00584
98-06-6	tert-Butylbenzene	0.032		0.000294	0.00584
156-60-5	trans-1,2-Dichloroethene	0.047		0.000192	0.00584
110-57-6	trans-1,4-Dichloro-2-butene	0.055		0.000842	0.00584

GCAL, Inc.

Data file : /var/chem/msv0.i/2080610.b/x8879msd.d
Lab Smp Id: 20806052207
Inj Date : 10-JUN-2008 15:50
Operator : JCK Inst ID: msv0.i
Smp Info : 20806052207*
Misc Info : MSV~13461~*1*JCK
Comment :
Method : /var/chem/msv0.i/2080610.b/8260Bs0.m
Meth Date : 10-Jun-2008 16:13 jck Quant Type: ISTD
Cal Date : 08-JUN-2008 00:07 Cal File: x8806.d
Als bottle: 10 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	4.99000	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	1.594	1.607	(0.249)	219020	48.5773	48.7	9119
2 Chloromethane ++	50	1.779	1.779	(0.277)	392465	38.8779	39.0	7157
4 Vinyl Chloride +	62	1.832	1.845	(0.286)	250664	42.4223	42.5	9553
5 Bromomethane	94	2.109	2.122	(0.329)	109942	54.8649	55.0	9612
6 Chloroethane	64	2.221	2.228	(0.346)	152722	55.0057	55.1	9048
7 Trichlorofluoromethane	101	2.353	2.360	(0.367)	250494	47.0728	47.2	9649
11 1,1-Dichloroethene +	96	2.842	2.842	(0.443)	182880	42.8680	43.0	8138
14 Carbon Disulfide	76	2.862	2.855	(0.446)	521929	31.7621	31.8	8168(R)
9 1,1,2Trichlotrifluoroethane	101	2.888	2.888	(0.450)	178105	40.3801	40.5	9329
13 Methyl Iodide	142	2.994	2.987	(0.467)	142047	58.2920	58.4	8417
10 Acrolein	56	3.205	3.218	(0.500)	55800	129.232	129	8750
18 Methylene Chloride	49	3.482	3.482	(0.543)	332220	40.0758	40.2	8978
12 Acetone	43	3.548	3.568	(0.553)	100014	50.3641	50.5	9106

170552

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	3.667	3.674	(0.572)	307358	40.5404	40.6	8946
	16 Methyl Acetate	43	3.713	3.740	(0.579)	91592	30.1838	30.2	3798(M2)
	23 Hexane	57	3.766	3.766	(0.587)	369638	35.4069	35.5	9158
	20 MTBE	73	3.812	3.832	(0.594)	360010	44.1490	44.2	8892
	26 1,1-Dichloroethane ++	63	4.472	4.472	(0.697)	392233	41.3924	41.5	9471
	22 Acrylonitrile	53	4.552	4.558	(0.710)	278032	236.838	237	9763
	27 Vinyl Acetate	43	4.803	4.816	(0.749)	124226	17.7252	17.8	(R)
	30 cis-1,2-Dichloroethene	61	5.100	5.100	(0.795)	299309	38.8423	38.9	9407
	29 2,2-Dichloropropane	77	5.212	5.212	(0.813)	168043	37.0100	37.1	9174
	39 Cyclohexane	56	5.291	5.291	(0.825)	359745	34.0955	34.2	7959
	34 Bromochloromethane	128	5.317	5.318	(0.829)	83828	43.7522	43.8	8278
	38 Chloroform +	83	5.410	5.410	(0.844)	362155	38.5967	38.7	9317
	42 Carbon Tetrachloride	117	5.522	5.522	(0.861)	105007	31.1406	31.2	9675(R)
$	41 Dibromofluoromethane	111	5.601	5.608	(0.873)	286180	54.6423	54.8	9422
	40 1,1,1-Trichloroethane	97	5.608	5.608	(0.874)	248078	39.5813	39.7	9386
	43 1,1-Dichloropropene	75	5.733	5.740	(0.894)	277353	38.2249	38.3	8550(R)
	31 2-Butanone	43	5.753	5.760	(0.897)	91854	48.9439	49.0	
	46 Benzene	78	5.991	5.998	(0.934)	849504	40.1412	40.2	9179
$	47 1,2-Dichloroethane-d4	67	6.136	6.143	(0.957)	133058	56.3839	56.5	9508
	48 1,2-Dichloroethane	62	6.209	6.209	(0.968)	242914	42.3750	42.5	9715
*	49 FLUOROBENZENE	96	6.413	6.413	(1.000)	1053408	50.0000		9693
	52 Methyl cyclohexane	83	6.545	6.545	(1.021)	280607	30.7389	30.8	7511(R)
	50 Trichloroethene	130	6.565	6.565	(1.024)	218446	38.8422	38.9	9117(R)
	58 Dibromomethane	93	6.968	6.968	(1.086)	78307	42.4541	42.5	9691
	54 1,2-Dichloropropane +	63	7.060	7.060	(1.101)	259327	41.1218	41.2	9493
	61 Bromodichloromethane	83	7.120	7.126	(1.110)	265792	42.5329	42.6	9452
	64 1-Bromo-2-chloroethane	63	7.556	7.556	(1.178)	372931	45.8079	45.9	9451
	65 cis-1,3-Dichloropropene	75	7.701	7.701	(1.201)	328151	44.0451	44.1	
$	67 Toluene-d8	98	7.866	7.866	(0.854)	1038598	51.4301	51.5	9645
	68 Toluene +	91	7.905	7.905	(0.859)	938195	36.4661	36.5	9427(R)
	66 4-methyl-2-pentanone	43	8.255	8.255	(1.287)	212772	46.1543	46.2	
	78 Tetrachloroethene	164	8.236	8.236	(0.895)	141980	34.3533	34.4	5924(R)
	71 trans-1,3-Dichloropropene	75	8.282	8.282	(0.900)	246888	43.1861	43.3	
	76 1,1,2-Trichloroethane	97	8.420	8.420	(0.915)	164546	43.5998	43.7	9538
	81 Dibromochloromethane	129	8.566	8.566	(0.930)	187404	42.0858	42.2	9534
	79 1,3-Dichloropropane	76	8.652	8.652	(0.940)	293424	43.0310	43.1	9101
	83 1,2-Dibromoethane(EDB)	107	8.770	8.770	(0.953)	152833	47.0553	47.1	9663
	80 2-Hexanone	43	8.975	8.975	(0.975)	158233	42.7897	42.9	9581
	84 1-Chlorohexane	91	9.199	9.200	(1.434)	297834	30.4464	30.5	3800(RM2)
*	85 Chlorobenzene-d5	82	9.206	9.206	(1.000)	469831	50.0000		6608
	86 Chlorobenzene ++	112	9.219	9.219	(1.001)	554916	35.8067	35.9	7394(R)
	87 Ethylbenzene +	106	9.246	9.246	(1.004)	300939	34.7855	34.9	9454(R)
	89 1,1,1,2-Tetrachloroethane	133	9.279	9.272	(1.008)	165903	38.0244	38.1	9678(R)
M	75 Total 1,2-Dichloroethene	61				606667	79.3828	79.5	0
	90 p,m-Xylene	106	9.371	9.371	(1.018)	737860	69.3868	69.5	9504(RH)
M	77 1-3 Dichloropropene-Total	100				575039	87.2313	87.4	0
	91 o-Xylene	106	9.734	9.734	(1.057)	363192	35.1852	35.3	(R)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
92	Styrene	104	9.780	9.780	(1.062)	578967	34.8712	34.9	9496(R)
95	Bromoform ++	173	9.807	9.807	(1.065)	93895	43.3003	43.4	7655
96	Isopropylbenzene	105	9.998	9.998	(1.086)	849393	32.0939	32.2	9635(R)
$ 98	Bromofluorobenzene	174	10.249	10.249	(1.113)	292763	57.3049	57.4	9644
102	Bromobenzene	77	10.342	10.342	(0.923)	389866	31.1688	31.2	9434(R)
103	n-Propylbenzene	91	10.355	10.355	(0.924)	1044506	28.7541	28.8	8970(R)
101	1,1,2,2-Tetrachloroethane++	83	10.414	10.414	(0.929)	205537	40.5289	40.6	9652
105	2-Chlorotoluene	91	10.493	10.493	(0.936)	658085	29.0769	29.1	9123(R)
107	1,3,5-Trimethylbenzene	105	10.520	10.520	(0.939)	695720	28.7955	28.9	(R)
104	1,2,3-Trichloropropane	75	10.540	10.540	(0.940)	217072	42.2766	42.4	9258
106	trans-1,4-Dichloro-2-Butene	53	10.573	10.573	(0.943)	37684	47.3923	47.5	9075
108	4-Chlorotoluene	91	10.639	10.639	(0.949)	579574	29.1087	29.2	9627(R)
109	tert-butylbenzene	91	10.797	10.797	(0.963)	369266	27.1054	27.2	9489(R)
110	1,2,4-Trimethylbenzene	105	10.850	10.850	(0.968)	694298	28.9289	29.0	(R)
112	sec-Butylbenzene	105	10.949	10.949	(0.977)	861645	26.0959	26.1	(R)
113	p-Isopropyltoluene	119	11.068	11.068	(0.988)	715779	26.8169	26.9	9632(R)
114	1,3-Dichlorobenzene	146	11.140	11.140	(0.994)	323497	29.1110	29.2	(R)
* 115	1,4-DICHLOROBENZENE-D4	152	11.206	11.207	(1.000)	351125	50.0000		6141
117	1,4-Dichlorobenzene	146	11.226	11.220	(1.002)	346376	30.0074	30.1	(R)
119	n-Butylbenzene	91	11.444	11.444	(1.021)	637748	26.4859	26.5	9703(R)
120	1,2-Dichlorobenzene	146	11.616	11.616	(1.037)	297256	30.2792	30.3	(R)
121	1,2-Dibromo-3-Chloropropane	157	12.461	12.461	(1.112)	26410	44.3976	44.5	9045
124	Hexachlorobutadiene	225	13.240	13.240	(1.181)	90791	22.0988	22.1	9262(R)
123	1,2,4-Trichlorobenzene	180	13.293	13.293	(1.186)	130976	25.7249	25.8	(R)
125	Napthalene	128	13.676	13.676	(1.220)	238818	29.0742	29.1	9722(R)
126	1,2,3-Trichlorobenzene	180	13.867	13.860	(1.237)	116364	24.7849	24.8	(R)
M 127	TOTAL XYLENE	106				1101052	104.572	105	0(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

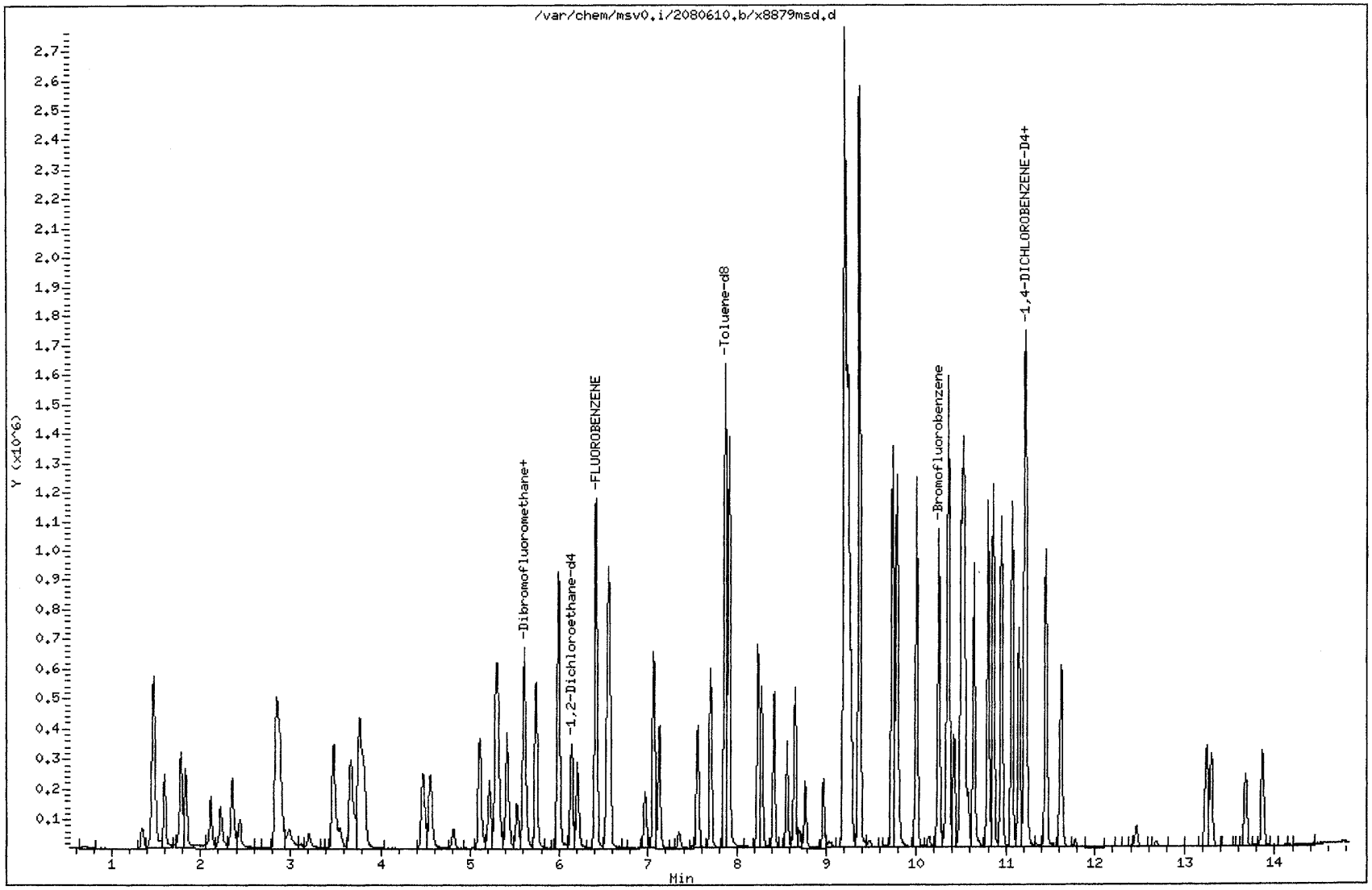
170554

Data File: /var/chem/msv0.i/2080610.b/x8879msd.d
Date : 10-JUN-2008 15:50
Client ID:
Sample Info: 20806052207*

Column phase: DB-624-30M

Instrument: msv0.i

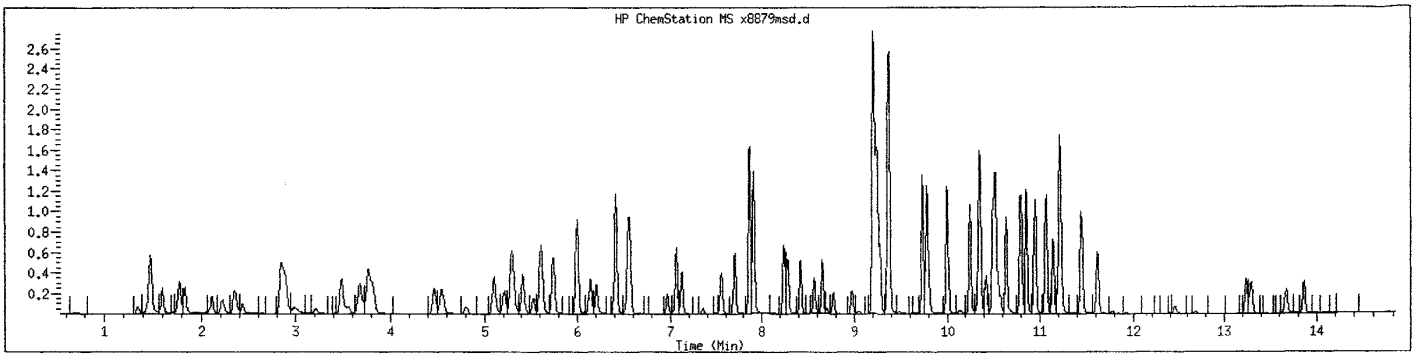
Operator: JCK
Column diameter: 0.53



Data file : /var/chem/msv0.i/2080610.b/x8879msd.d Page: 1
Report Date: 06/10/2008 17:00

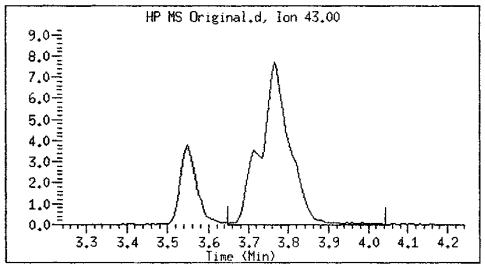
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052207 SampleType : MSD
Injection Date: 06/10/2008 15:50 Instrument : msv0.i
Operator : JCK
Sample Info : 20806052207*
Misc Info : MSV~13461~*1*JCK
Method : /var/chem/msv0.i/2080610.b/8260Bs0.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



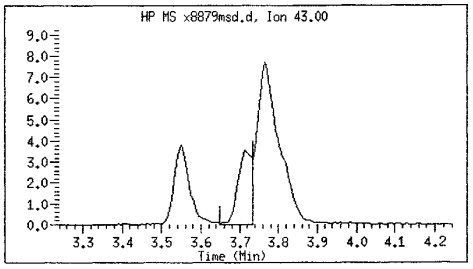
Original Final

16 Methyl Acetate CAS#: 79-20-9 Reason: M2

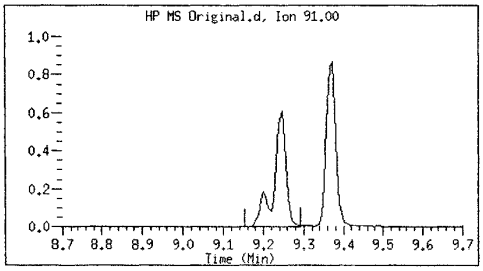


Electronic Signature Applied

User: jck
Date: 06/10/2008 16:59

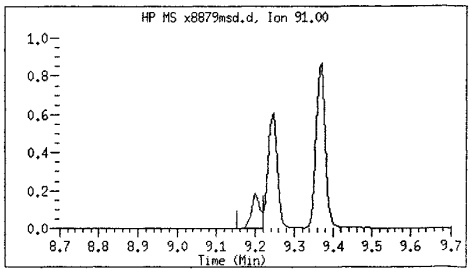


84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



Electronic Signature Applied

User: jck
Date: 06/10/2008 17:00



170556

M2 - Target system integrated incorrectly

170557

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

4WSED3 (0-0.5) MSD

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix: (soil/water) Soil

Sample wt/vol: 5.24 (g/ml) g

Lab Sample ID: 20806052207

Level: (low/med) LOW

Lab File ID: 2080610/h4739

% Moisture: not dec. 14.2

Date Collected: 06/04/08 Time: 1200

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

Date Received: 06/05/08

Instrument ID: MSV5

Date Analyzed: 06/10/08 Time: 1334

Soil Extract Volume: (µL)

Dilution Factor: 50 Analyst: EGW

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 375306

CONCENTRATION UNITS: mg/kg

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	2.69		0.011	0.056
71-36-3	n-Butyl alcohol	0.278	U	0.056	0.278

GCAL, Inc.

Data file : /var/chem/msv5.i/2080610.b/h4739.d
Lab Smp Id: 20806052207 Client Smp ID: MSD
Inj Date : 10-JUN-2008 13:34
Operator : EGW Inst ID: msv5.i
Smp Info : 20806052207*MSD
Misc Info : MSV~13460~*50*EGW
Comment :
Method : /var/chem/msv5.i/2080610.b/8260Bw5.m
Meth Date : 10-Jun-2008 11:18 egw Quant Type: ISTD
Cal Date : 08-JUN-2008 16:50 Cal File: h4670.d
Als bottle: 12 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	5.24000	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	1.837	1.848	(0.258)	170813	46.4402	2220	
2 Chloromethane ++	50	2.054	2.054	(0.288)	266344	44.6639	2130	
3 Vinyl Chloride +	62	2.141	2.141	(0.300)	195804	47.3731	2260	
5 Bromomethane	94	2.500	2.511	(0.350)	55437	29.5072	1410	
8 Chloroethane	64	2.609	2.652	(0.366)	15117	6.31527	301	(R)
9 Trichlorofluoromethane	101	2.739	2.815	(0.384)	81114	30.3151	1450	(R)
11 1,1-Dichloroethene +	96	3.414	3.435	(0.478)	95240	47.3670	2260	
12 Carbon Disulfide	76	3.436	3.468	(0.482)	360590	48.0072	2290	
13 1,1,2Trichlotrifluoroethane	101	3.468	3.501	(0.486)	102256	50.5642	2410	
14 Methyl Iodide	142	3.599	3.620	(0.504)	114613	39.1085	1870	
15 Acrolein	56	3.904	3.903	(0.547)	107727	253.201	12100	
17 Methylene Chloride	49	4.230	4.240	(0.593)	202513	48.6247	2320	

170559

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
	18 Acetone	43	4.339	4.327	(0.608)	87016	59.1683	2820	
	19 trans-1,2-Dichloroethene	61	4.447	4.458	(0.623)	162869	48.6895	2320	
	20 Methyl Acetate	43	4.502	4.512	(0.631)	181256	55.8087	2660	4385
	21 Hexane	57	4.556	4.578	(0.639)	184593	45.8713	2190	9202
	22 MTBE	73	4.622	4.632	(0.648)	298482	49.7188	2370	9001
	27 1,1-Dichloroethane ++	63	5.231	5.230	(0.733)	213508	43.9826	2100	
	29 Acrylonitrile	53	5.307	5.306	(0.744)	339598	231.121	11000	
	30 Vinyl Acetate	43	5.546	5.556	(0.777)	304589	47.1684	2250	
M	61 Total 1,2-Dichloroethene	61				369344	99.0786	4730	
	31 cis-1,2-Dichloroethene	61	5.840	5.850	(0.819)	206474	50.3891	2400	
	32 2,2-Dichloropropane	77	5.959	5.970	(0.835)	163682	52.6457	2510	
	34 Cyclohexane	56	6.046	6.057	(0.848)	276750	46.9240	2240	8787
	33 Bromochloromethane	128	6.057	6.057	(0.849)	64500	43.2710	2060	
	35 Chloroform +	83	6.144	6.144	(0.861)	220199	45.5270	2170	
	36 Carbon Tetrachloride	117	6.275	6.274	(0.880)	117013	49.9345	2380	
$	39 Dibromofluoromethane	111	6.329	6.329	(0.887)	131710	43.7437	2090	9354
	40 1,1,1-Trichloroethane	97	6.351	6.351	(0.890)	142909	48.1025	2290	
	42 2-Butanone	43	6.482	6.481	(0.909)	166985	55.2136	2630	
	43 1,1-Dichloropropene	75	6.471	6.481	(0.907)	182782	45.4923	2170	
	45 Benzene	78	6.721	6.731	(0.942)	572200	49.8131	2380	
$	48 1,2-Dichloroethane-d4	67	6.862	6.862	(0.962)	77084	46.0982	2200	
	49 1,2-Dichloroethane	62	6.928	6.927	(0.971)	175920	46.9618	2240	
*	52 FLUOROBENZENE	96	7.134	7.134	(1.000)	559594	50.0000		
	53 Methyl Cyclohexane	83	7.276	7.275	(1.020)	223931	48.9490	2340	9273
	54 Trichloroethene	130	7.287	7.286	(1.021)	133116	48.4409	2310	
	57 Dibromomethane	93	7.689	7.688	(1.078)	110151	49.3537	2350	
	59 1,2-Dichloropropane +	63	7.776	7.786	(1.090)	183111	44.5290	2120	
	60 Bromodichloromethane	83	7.830	7.830	(1.098)	193802	49.6256	2370	
	64 1-Bromo-2-chloroethane	63	8.276	8.275	(1.160)	334485	45.4543	2170	9486
	65 2-Chloroethyl vinyl ether	63	8.341	8.340	(1.169)	150411	48.3976	2310	
	66 cis-1,3-Dichloropropene	75	8.406	8.406	(1.178)	262758	49.8733	2380	
M	6 1-3 Dichloropropene-Total	100				495527	100.383	4790	0
$	67 Toluene-d8	98	8.570	8.569	(0.864)	447877	49.6380	2370	
	69 Toluene +	91	8.613	8.613	(0.868)	569506	51.8238	2470	
	71 4-methyl-2-pentanone	43	8.939	8.939	(1.253)	291255	49.6144	2370	
	72 Tetrachloroethene	164	8.950	8.950	(0.902)	90631	52.3379	2500	
	73 trans-1,3-Dichloropropene	75	8.972	8.972	(0.905)	232768	52.6896	2510	
	75 1,1,2-Trichloroethane	97	9.114	9.113	(0.919)	136584	49.4404	2360	
	76 Dibromochloromethane	129	9.277	9.276	(0.935)	143665	48.6230	2320	
	77 1,3-Dichloropropane	76	9.353	9.352	(0.943)	267459	51.7530	2470	
	79 1,2-Dibromoethane(EDB)	107	9.495	9.494	(0.957)	160747	52.2083	2490	
	80 2-Hexanone	43	9.658	9.657	(0.974)	223738	51.9001	2480	
	82 1-Chlorohexane	91	9.897	9.896	(0.998)	199722	46.6972	2230	8826
*	83 CHLOROBENZENE-d5	82	9.919	9.918	(1.000)	236250	50.0000		
	84 Chlorobenzene ++	112	9.940	9.940	(1.002)	348199	48.6499	2320	
	85 Ethylbenzene +	106	9.940	9.940	(1.002)	181949	51.2860	2450	
	86 1,1,1,2-Tetrachloroethane	133	9.984	9.983	(1.007)	110476	47.7569	2280	

170560

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
	87 p,m-Xylene	106	10.060	10.071	(1.014)	455958	102.949	4910	
	89 o-Xylene	106	10.441	10.440	(1.053)	217888	47.8378	2280	
	90 Styrene	104	10.485	10.484	(1.057)	406265	50.0653	2390	
	91 Bromoform ++	173	10.528	10.528	(1.061)	90650	52.5253	2510	
	93 Isopropylbenzene	105	10.703	10.702	(1.079)	508554	48.0897	2290	
$	94 Bromofluorobenzene	174	10.964	10.963	(1.105)	136519	50.7793	2420	
	95 n-Propylbenzene	91	11.062	11.061	(0.921)	748722	50.2482	2400	
	96 Bromobenzene	77	11.062	11.061	(0.921)	308219	51.2405	2440	
	97 1,1,2,2-Tetrachloroethane++	83	11.116	11.115	(0.926)	237983	51.0784	2440	
	98 2-Chlorotoluene	91	11.214	11.214	(0.934)	470030	48.9542	2340	
	99 1,3,5-Trimethylbenzene	105	11.214	11.214	(0.934)	452253	50.1673	2390	
	100 1,2,3-Trichloropropane	75	11.269	11.257	(0.938)	289150	52.9439	2530	
	101 trans-1,4-Dichloro-2-Butene	53	11.269	11.279	(0.938)	75597	52.8355	2520	
	103 4-Chlorotoluene	91	11.367	11.366	(0.946)	432048	48.8603	2330	
M	124 TOTAL XYLENE	106				673846	150.787	7190	
	104 tert-butylbenzene	91	11.520	11.519	(0.959)	253757	48.6040	2320	
	106 1,2,4-Trimethylbenzene	105	11.585	11.584	(0.965)	470464	50.2507	2400	
	107 sec-Butylbenzene	105	11.694	11.693	(0.974)	576051	49.3183	2350	
	108 p-Isopropyltoluene	119	11.814	11.813	(0.984)	453651	48.6210	2320	
	110 1,3-Dichlorobenzene	146	11.934	11.933	(0.994)	243737	50.7140	2420	
*	111 1,4-DICHLOROBENZENE-D4	152	12.010	12.009	(1.000)	177214	50.0000		
	112 1,4-Dichlorobenzene	146	12.021	12.020	(1.001)	274316	49.9926	2390	
	115 n-Butylbenzene	91	12.250	12.249	(1.020)	490263	51.8509	2470	
	116 1,2-Dichlorobenzene	146	12.489	12.477	(1.040)	244319	51.8498	2470	
	120 1,2-Dibromo-3-Chloropropane	157	13.423	13.422	(1.118)	38860	53.8311	2570	
	122 Hexachlorobutadiene	225	14.086	14.085	(1.173)	49649	51.6403	2460	
	123 1,2,4-Trichlorobenzene	180	14.141	14.140	(1.177)	138376	50.0440	2390	
	125 Naphthalene	128	14.478	14.477	(1.205)	481192	53.4993	2550	
	126 1,2,3-Trichlorobenzene	180	14.663	14.662	(1.221)	140312	51.3014	2450	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

170561

Data File: /var/chem/msv5.i/2080610.b/h4739s.d

Date : 10-JUN-2008 13:34

Client ID: MSD

Instrument: msv5.i

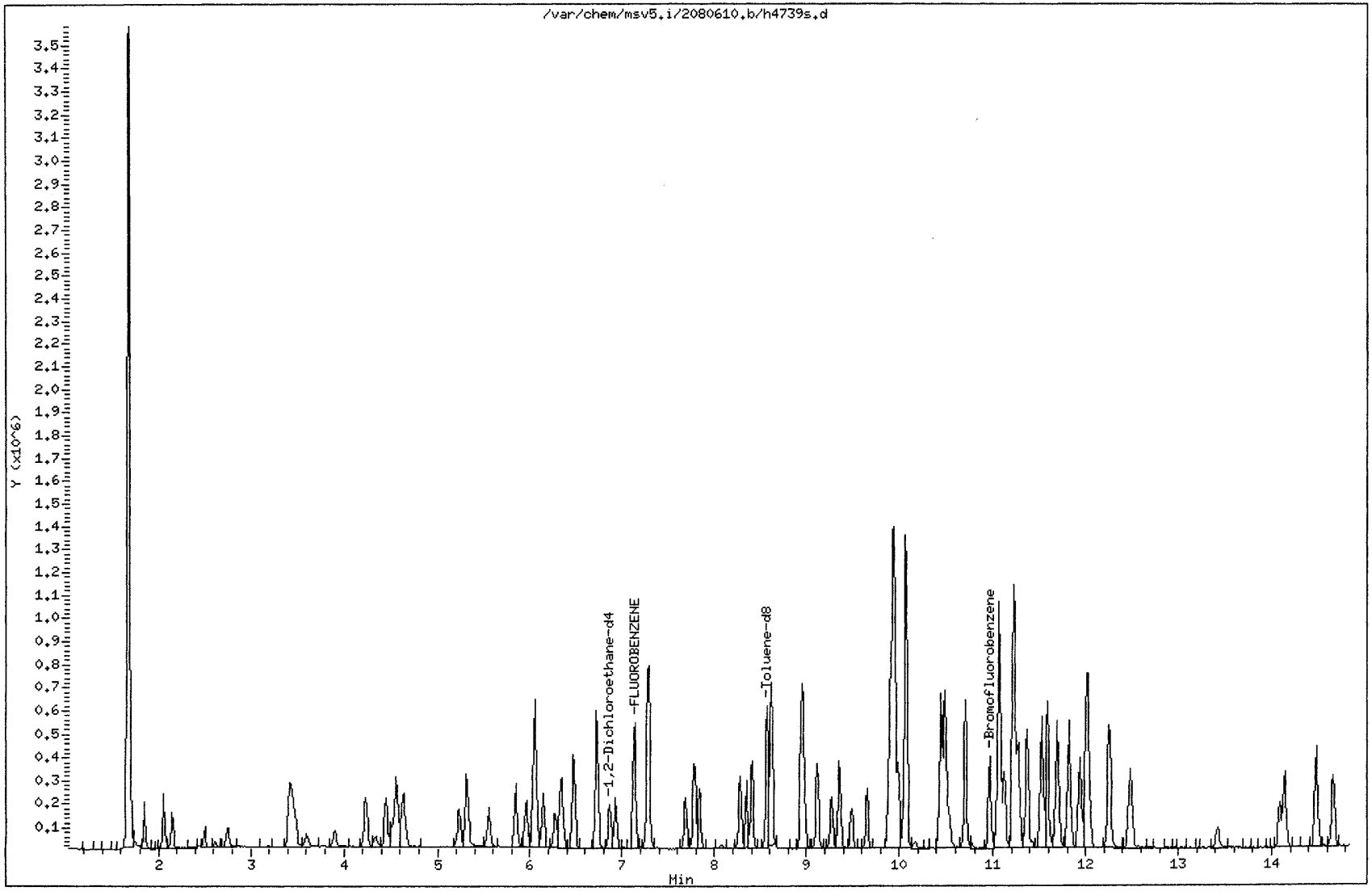
Sample Info: 20806052207*MSD

Purge Volume: 5.0

Operator: EGW

Column phase: DB-VRX-30M

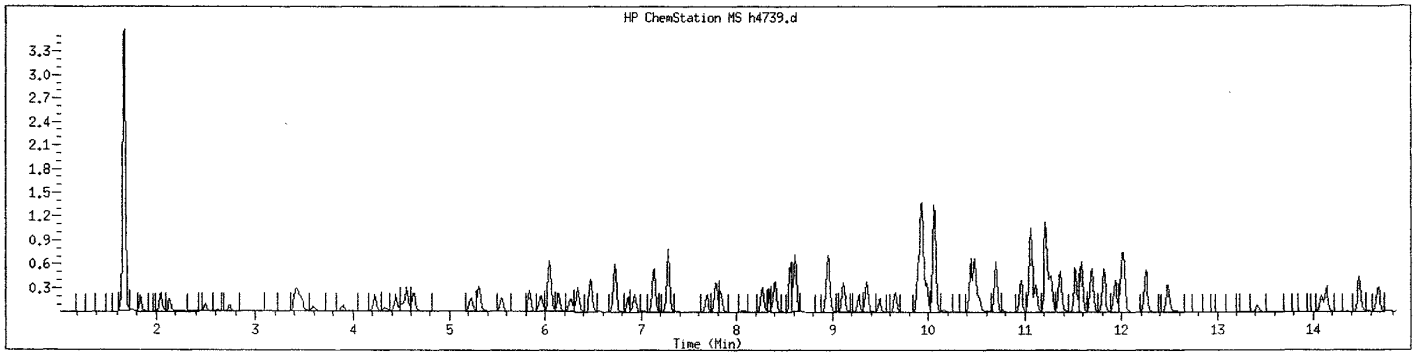
Column diameter: 0.53



Data file : /var/chem/msv5.i/2080610.b/h4739.d Page: 1
Report Date: 06/10/2008 16:07

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052207	SampleType	: MSD
Injection Date	: 06/10/2008 13:34	Instrument	: msv5.i
Operator	: EGW		
Sample Info	: 20806052207*MSD		
Misc Info	: MSV~13460~*50*EGW		
Method	: /var/chem/msv5.i/2080610.b/8260Bw5.m		
Dilution	: 50.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

170563

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 07-JUN-2008
Instrument: msv0.i
Analyst(s): JCK

Standard	Conc ppm		ICV
Int. Standard	50	6-23-4	
Surrogate	50	6-23-5	
8260	50	6-23-8	6-23-1
Ac/Ac/VA	250/50	6-23-6	6-21-7
CVE	50	6-22-7	6-17-6

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		x8798.d	0.00 ml	07-JUN-2008 20:42	1.000	JCK	2
1206	8260_S ICAL	x8800.d	5.00 g	07-JUN-2008 21:51	1.000	JCK	1
1201		x8801.d	5.00 g	07-JUN-2008 22:13	1.000	JCK	2
1207		x8802.d	5.00 g	07-JUN-2008 22:36	1.000	JCK	3
1202		x8803.d	5.00 g	07-JUN-2008 22:59	1.000	JCK	4
1203		x8804.d	5.00 g	07-JUN-2008 23:22	1.000	JCK	5
1204		x8805.d	5.00 g	07-JUN-2008 23:45	1.000	JCK	6
1205		x8806.d	5.00 g	08-JUN-2008 00:07	1.000	JCK	7
BLANK		x8807.d	5.00 g	08-JUN-2008 00:30	1.000	JCK	8
1600	NOT USED	x8808.d	5.00 g	08-JUN-2008 00:52	1.000	JCK	9
1600		x8809.d	5.00 g	08-JUN-2008 01:15	1.000	JCK	10
BLANK		x8810.d	5.00 g	08-JUN-2008 01:37	1.000	JCK	11
001PPB MDL		x8811.d	5.00 g	08-JUN-2008 01:59	1.000	JCK	12
001PPB MDL		x8812.d	5.00 g	08-JUN-2008 02:22	1.000	JCK	13
001PPB MDL		x8813.d	5.00 g	08-JUN-2008 02:44	1.000	JCK	14
001PPB MDL		x8814.d	5.00 g	08-JUN-2008 03:06	1.000	JCK	15
001PPB MDL		x8815.d	5.00 g	08-JUN-2008 03:29	1.000	JCK	16
001PPB MDL		x8816.d	5.00 g	08-JUN-2008 03:51	1.000	JCK	17
001PPB MDL		x8817.d	5.00 g	08-JUN-2008 04:13	1.000	JCK	18
001PPB MDL		x8818.d	5.00 g	08-JUN-2008 04:35	1.000	JCK	19
001PPB MDL		x8819.d	5.00 g	08-JUN-2008 04:57	1.000	JCK	20

TUNE = 08:42

170564

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 10-JUN-2008
Instrument: msv0.i
Analyst(s): JCK

Standard	Conc ppm	
Int. Standard	50	6-23-4
Surrogate	50	6-23-5
8260	50	6-23-8
Ac/Ac/VA	250/50	6-24-1
CVE	50	6-24-2

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		x8867.d	0.00 ml	10-JUN-2008 09:58	1.000	JCK	2
1400	RR	x8868.d	5.00 g	10-JUN-2008 10:39	1.000	JCK	1
1400		x8869.d	5.00 g	10-JUN-2008 11:25	1.000	JCK	2
613074		x8870.d	5.00 g	10-JUN-2008 12:02	1.000	JCK	1
613075		x8871.d	5.00 g	10-JUN-2008 12:25	1.000	JCK	2
MB		x8872.d	5.00 g	10-JUN-2008 12:48	1.000	JCK	3
MB		x8873.d	5.00 g	10-JUN-2008 13:12	1.000	JCK	4
613073		x8874.d	5.00 g	10-JUN-2008 13:36	1.000	JCK	5
20806052205	LR/NO W/MSV5 FOR 2-CVE,N-BUTANOL	x8875.d	5.02 g	10-JUN-2008 14:14	1.000	JCK	6
20806052208		x8876.d	5.08 g	10-JUN-2008 14:38	1.000	JCK	7
20806052209		x8877.d	5.17 g	10-JUN-2008 15:02	1.000	JCK	8
20806052206		x8878ms.d	5.00 g	10-JUN-2008 15:26	1.000	JCK	9
20806052207		x8879msd.d	4.99 g	10-JUN-2008 15:50	1.000	JCK	10
BLANK		x8880.d	5.00 g	10-JUN-2008 16:14	1.000	JCK	11
20806052210		x8881.d	5.02 g	10-JUN-2008 16:38	1.000	JCK	12
20806052211		x8882.d	5.00 g	10-JUN-2008 17:01	1.000	JCK	13
20806061601		x8883.d	4.52 g	10-JUN-2008 17:25	1.000	JCK	14
BLANK		x8884.d	5.00 g	10-JUN-2008 17:48	1.000	JCK	15
BLANK		x8885.d	5.00 g	10-JUN-2008 18:12	1.000	JCK	16
BLANK		x8886.d	5.00 g	10-JUN-2008 18:45	1.000	JCK	17
20806051201		x8887.d	5.00 g	10-JUN-2008 19:09	1.000	JCK	18
20806051202		x8888.d	5.33 g	10-JUN-2008 19:32	1.000	JCK	19
20806051203		x8889.d	5.23 g	10-JUN-2008 19:55	1.000	JCK	20
20806051204		x8890.d	5.10 g	10-JUN-2008 20:18	1.000	JCK	21
20806051205		x8891.d	5.19 g	10-JUN-2008 20:41	1.000	AEL	22
20806051206		x8892.d	5.09 g	10-JUN-2008 21:04	1.000	AEL	23
20806051207		x8893.d	5.13 g	10-JUN-2008 21:27	1.000	AEL	24
20806051208		x8894.d	5.20 g	10-JUN-2008 21:50	1.000	AEL	25
20806051209	RAN OUT OF TUNE RR	x8895.d	5.05 g	10-JUN-2008 22:12	1.000	AEL	26
20806051210		x8896.d	5.32 g	10-JUN-2008 22:35	1.000	AEL	27
BLANK		x8897.d	5.00 g	10-JUN-2008 22:57	1.000	AEL	28
BLANK		x8898.d	5.00 g	10-JUN-2008 23:20	1.000	AEL	29

TUNE=21:58

170565

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 08-JUN-2008
Instrument: msv5.i
Analyst(s): JCK

Standard	Conc ppm		ICV
Int. Standard	50	6-23-4	
Surrogate	50	6-23-5	
APP9-1	250	6-18-8	6-19-4
APP9-2	50	6-24-4	6-19-3
THF	250	6-24-3	6-19-2

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		h4662.d	0.00 ml	08-JUN-2008 11:12	1.000	JCK	2
1000		h4663.d	0.00 ml	08-JUN-2008 11:55	1.000	JCK	2
1207	APP9 ICAL	h4664.d	5.00 ml	08-JUN-2008 12:49	1.000	JCK	3
1201		h4665.d	5.00 ml	08-JUN-2008 13:17	1.000	JCK	4
1208		h4666.d	5.00 ml	08-JUN-2008 13:56	1.000	JCK	5
1202		h4667.d	5.00 ml	08-JUN-2008 15:23	1.000	JCK	6
1203		h4668.d	5.00 ml	08-JUN-2008 15:56	1.000	JCK	7
1204		h4669.d	5.00 ml	08-JUN-2008 16:25	1.000	JCK	8
1205		h4670.d	5.00 ml	08-JUN-2008 16:50	1.000	JCK	9
BLANK		h4671.d	5.00 ml	08-JUN-2008 17:15	1.000	JCK	10
1600		h4672.d	5.00 ml	08-JUN-2008 18:21	1.000	JCK	11

TUNE = 23:12

170566

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 08-JUN-2008
Instrument: msv5.i
Analyst(s): JCK

Standard	Conc ppm		ICV
Int. Standard	50	6-23-4	
Surrogate	50	6-21-13	
8260	50	6-23-8	6-23-1
Ac/Ac/VA	250/50	6-24-1	6-21-7
CVE	50	6-24-2	6-17-6

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		h4673.d	0.00 ml	08-JUN-2008 19:02	1.000	JCK	2
1206		h4674.d	5.00 ml	08-JUN-2008 19:49	1.000	EGW	1
1209		h4675.d	5.00 ml	08-JUN-2008 20:30	1.000	EGW	1
1207		h4676.d	5.00 ml	08-JUN-2008 21:02	1.000	EGW	1
1201		h4677.d	5.00 ml	08-JUN-2008 21:25	1.000	EGW	2
1208		h4678.d	5.00 ml	08-JUN-2008 21:48	1.000	EGW	3
1202		h4679.d	5.00 ml	08-JUN-2008 22:11	1.000	EGW	4
1400		h4680c.d	5.00 ml	08-JUN-2008 22:33	1.000	EGW	5
1203		h4680.d	5.00 ml	08-JUN-2008 22:33	1.000	EGW	5
1204		h4681.d	5.00 ml	08-JUN-2008 22:56	1.000	EGW	6
1205		h4682.d	5.00 ml	08-JUN-2008 23:19	1.000	EGW	7
BLANK		h4683.d	5.00 ml	08-JUN-2008 23:42	1.000	EGW	8
1600		h4684.d	5.00 ml	09-JUN-2008 00:05	1.000	EGW	9
1600	not used	h4685.d	5.00 ml	09-JUN-2008 00:28	1.000	EGW	9
BLANK		h4686.d	5.00 ml	09-JUN-2008 00:51	1.000	EGW	10

Tune time = 07:02

170567

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 10-JUN-2008
Instrument: msv5.i
Analyst(s): EGW

Standard	Conc ppm	
Int. Standard	50	6-23-4
Surrogate	50	6-21-13
8260	50	6-23-8
Ac/Ac/VA	250/50	6-24-1
CVE	50	6-24-2
APP9-1	250	6-18-8
APP9-2	50	6-24-4
THF	250	6-24-3
EXX	250	6-16-7

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		h4721.d	0.00 ml	10-JUN-2008 06:14	1.000	EGW	2
1000		h4722.d	0.00 ml	10-JUN-2008 06:41	1.000	EGW	2
1000		h4723.d	0.00 ml	10-JUN-2008 07:03	1.000	EGW	2
1000		h4723s.d	0.00 ml	10-JUN-2008 07:03	1.000	EGW	2
1400	APP9	h4724.d	5.00 ml	10-JUN-2008 07:43	1.000	EGW	1
1400		h4724s.d	5.00 ml	10-JUN-2008 07:43	1.000	EGW	1
1400		h4725.d	5.00 ml	10-JUN-2008 08:05	1.000	EGW	2
612775		h4726.d	5.00 ml	10-JUN-2008 08:28	1.000	EGW	2
1400	EXX	h4727.d	5.00 ml	10-JUN-2008 08:51	1.000	EGW	3
1400		h4727s.d	5.00 ml	10-JUN-2008 08:51	1.000	EGW	3
1400	8260	h4728.d	5.00 ml	10-JUN-2008 09:21	1.000	EGW	4
612774		h4728L.d	5.00 ml	10-JUN-2008 09:21	1.000	EGW	4
1400		h4728s.d	5.00 ml	10-JUN-2008 09:21	1.000	EGW	4
612835		h4728sL.d	5.00 g	10-JUN-2008 09:21	50.000	EGW	4
612775		h4729.d	5.00 ml	10-JUN-2008 09:44	1.000	EGW	4
612836		h4729s.d	5.00 g	10-JUN-2008 09:44	50.000	EGW	4
612834		h4730s.d	5.00 g	10-JUN-2008 10:07	50.000	EGW	5
612773		h4731.d	5.00 ml	10-JUN-2008 10:31	1.000	EGW	5
20806052212		h4732.d	5.00 ml	10-JUN-2008 10:55	1.000	EGW	6
20806052213		h4733.d	5.00 ml	10-JUN-2008 11:18	1.000	EGW	7
20806052214		h4734.d	5.00 ml	10-JUN-2008 11:41	1.000	EGW	8
20806052215		h4735.d	5.00 ml	10-JUN-2008 12:04	1.000	EGW	9
20806052216		h4736.d	5.00 ml	10-JUN-2008 12:27	1.000	EGW	10
20806052205	LR/NO W/ LOW ON MSV0, 6/10	h4737s.d	5.10 g	10-JUN-2008 12:49	50.000	EGW	11
20806052206	"	h4738s.d	5.32 g	10-JUN-2008 13:12	50.000	EGW	12
20806052207	"	h4739s.d	5.24 g	10-JUN-2008 13:34	50.000	EGW	12
BLANK		h4740.d	5.00 ml	10-JUN-2008 13:57	50.000	EGW	13
20806055201		h4741.d	5.00 ml	10-JUN-2008 14:21	1.000	EGW	14
20806064701		h4742.d	5.00 ml	10-JUN-2008 14:43	100.000	EGW	15
20806064701		h4742T.d	5.00 ml	10-JUN-2008 14:43	100.000	EGW	15
20806064702		h4743.d	5.00 ml	10-JUN-2008 15:06	100.000	JCK	16
20806064702		h4743T.d	5.00 ml	10-JUN-2008 15:06	100.000	JCK	16
20806023901		h4744.d	5.00 ml	10-JUN-2008 15:29	20.000	JCK	17
20806052208	LR/NO W/ LOW ON MSV0, 6/10	h4745s.d	5.22 g	10-JUN-2008 15:52	50.000	JCK	18
20806052209	"	h4746s.d	5.49 g	10-JUN-2008 16:15	50.000	JCK	19
20806052210	"	h4747s.d	5.28 g	10-JUN-2008 16:38	50.000	JCK	20

170568

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 10-JUN-2008
Instrument: msv5.i
Analyst(s): EGW

Standard	Conc ppm
Int. Standard	50
Surrogate	50
8260	50
Ac/Ac/VA	250/50
CVE	50

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
20806052211	LR/NO W/ LOW ON MSV0, 6/10	h4748s.d	5.36 g	10-JUN-2008 17:01	50.000	JCK	21
20806055202		h4749.d	5.00 ml	10-JUN-2008 17:24	1.000	JCK	22
20806055203		h4750.d	5.00 ml	10-JUN-2008 17:46	1.000	JCK	23
20806055204		h4751.d	5.00 ml	10-JUN-2008 18:09	1.000	JCK	24
20806055205		h4752.d	5.00 ml	10-JUN-2008 18:32	1.000	JCK	25
20806055206		h4753.d	5.00 ml	10-JUN-2008 18:54	1.000	JCK	26

TUNE = 19:03

170569

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Method: SW-846 8270 Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	SMC5	#	SMC6	#	SMC7	#	SMC8	#	TOT OUT
1.	SE-060408-EB	78		79		90		15		25		71						0
2.	SE-060408-FB	82		81		89		16		27		75						0
3.	LCS611831	97		105		88		24		34		93						0
4.	LCSD611832	94		96		95		22		32		83						0
5.	MB611830	86		85		86		16		30		74						0

CONTROL LIMITS

SMC 1	Nitrobenzene-d5	52	110
SMC 2	2-Fluorobiphenyl	16	128
SMC 3	Terphenyl-d14	43	138
SMC 4	Phenol-d5	10	110
SMC 5	2-Fluorophenol	10	110
SMC 6	2,4,6-Tribromophenol	52	121
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.: 208060522

Method: SW-846 8270 Level: (low/med) LOW

EPA SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	SMC5	#	SMC6	#	TOT OUT
1. 4WSED3 (0-0.5)	82		85		92		70		86		76		0
2. 4WSED3 (0-0.5) MS	86		92		83		78		86		81		0
3. 4WSED3 (0-0.5) MSD	80		90		85		79		89		79		0
4. 4WSED2 (0-0.5)	70		73		76		71		85		76		0
5. SE600	93		112		73		84		99		64		0
6. SWSED8 (1-2)	82		87		79		86		99		61		0
7. 2WSED10 (1-2)	88		98		81		85		104		56		0
8. LCS611350	94		106		128		108		111		89		0
9. MB611349	92		95		130		106		107		91		0
10. LCS612545	80		89		101		85		88		84		0
11. LCSD612546	58		65		84		60		61		66		0
12. MB612544	77		78		101		75		85		75		0

		CONTROL LIMITS	
SMC 1	Nitrobenzene-d5	46	123
SMC 2	2-Fluorobiphenyl	47	127
SMC 3	Terphenyl-d14	38	167
SMC 4	Phenol-d5	43	123
SMC 5	2-Fluorophenol	51	119
SMC 6	2,4,6-Tribromophenol	44	121

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 4WSED3 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Analytical Method: SW-846 8270

Prep Batch: 375218 Analytical Batch.: 375227

Spike HSN : 20806052206

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*MS % REC FLAG*	*QC. LIMITS*
1,2 Diphenylhydrazine	mg/kg	3.86	0	3.78	98		60 - 120
2,4,5-Trichlorophenol	mg/kg	3.86	0	3.3	85		58 - 111
2,4,6-Trichlorophenol	mg/kg	3.86	0	3.33	86		60 - 110
2,4-Dichlorophenol	mg/kg	3.86	0	3.16	82		53 - 111
2,4-Dimethylphenol	mg/kg	3.86	0	3.25	84		51 - 108
2,4-Dinitrophenol	mg/kg	3.86	0	2.04	53		27 - 121
2,4-Dinitrotoluene	mg/kg	3.86	0	3.23	84		44 - 121
2,6-Dinitrotoluene	mg/kg	3.86	0	2.6	67		55 - 117
2-Chloronaphthalene	mg/kg	3.86	0	3.45	89		57 - 112
2-Chlorophenol	mg/kg	3.86	0	2.9	75		44 - 113
2-Methyl-4,6-dinitrophenol	mg/kg	3.86	0	2.86	74		49 - 115
2-Methylnaphthalene	mg/kg	3.86	0	3.38	88		53 - 110
2-Nitroaniline	mg/kg	3.86	0	3.46	90		38 - 107
2-Nitrophenol	mg/kg	3.86	0	3.26	85		58 - 110
3,3'-Dichlorobenzidine	mg/kg	3.86	0	2.2	57		24 - 127
3-Nitroaniline	mg/kg	3.86	0	2.59	67		9 - 106
4-Bromophenyl-phenylether	mg/kg	3.86	0	3.68	95		59 - 118
4-Chloro-3-methylphenol	mg/kg	3.86	0	2.99	78		48 - 112
4-Chloroaniline	mg/kg	3.86	0	2.31	60		3 - 101
4-Chlorophenyl-phenylether	mg/kg	3.86	0	3.27	85		54 - 112
4-Nitroaniline	mg/kg	3.89	0	2.42	62		24 - 99
4-Nitrophenol	mg/kg	3.86	0	3.41	88		38 - 125
Acenaphthene	mg/kg	3.86	.016	3.24	84		41 - 120
Acenaphthylene	mg/kg	3.86	0	3.65	95		57 - 105
Acetophenone	mg/kg	3.86	0	2.98	77		55 - 117
Aniline	mg/kg	3.86	0	4.01	104		4 - 126
Anthracene	mg/kg	3.86	.033	3.27	84		60 - 108
Atrazine (Aatrex)	mg/kg	3.86	0	6.9	179	*	37 - 148
Benzaldehyde	mg/kg	3.86	.019	3.55	92		25 - 127
Benzidine	mg/kg	3.86	0	0	0	*	8 - 78
Benzo(a)anthracene	mg/kg	3.86	.199	3.4	83		60 - 107
Benzo(a)pyrene	mg/kg	3.86	.227	3.81	93		62 - 110
Benzo(b)fluoranthene	mg/kg	3.86	.277	4.06	98		56 - 110
Benzo(g,h,i)perylene	mg/kg	3.86	.209	4.16	102		46 - 128
Benzo(k)fluoranthene	mg/kg	3.86	0	3.46	90		55 - 113
Benzoic acid	mg/kg	3.86	0	2.28	59		10 - 130

RPD : 2 out of 70 outside limits

Spike Recovery: 7 out of 140 outside limits

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 4WSED3 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Analytical Method: SW-846 8270

Prep Batch: 375218 Analytical Batch.: 375227

Benzyl alcohol	mg/kg	3.86	0	3.1	80		48	-	116
Biphenyl	mg/kg	3.86	0	3.33	86		43	-	118
Bis(2-Chloroethoxy)methane	mg/kg	3.86	0	3.16	82		53	-	109
Bis(2-Chloroethyl)ether	mg/kg	3.86	0	2.91	76		39	-	114
Butylbenzylphthalate	mg/kg	3.86	0	3.19	83		63	-	121
Caprolactam	mg/kg	3.86	0	3.19	83		42	-	130
Carbazole	mg/kg	3.86	.019	3.04	78		50	-	96
Chrysene	mg/kg	3.79	.094	3.2	82		61	-	111
Di-n-butylphthalate	mg/kg	3.86	0	3.47	90		60	-	115
Di-n-octylphthalate	mg/kg	3.86	0	3.52	91		55	-	121
Dibenz(a,h)anthracene	mg/kg	3.86	0	4.42	114		50	-	135
Dibenzofuran	mg/kg	3.86	.01	3.45	89		55	-	110
Diethylphthalate	mg/kg	3.86	0	3.26	85		52	-	114
Dimethyl-phthalate	mg/kg	3.86	0	3.54	92		56	-	111
Fluoranthene	mg/kg	3.86	.176	3.05	75		54	-	108
Fluorene	mg/kg	3.86	.015	3.15	81		54	-	106
Hexachlorobenzene	mg/kg	3.86	0	3.46	90		50	-	121
Hexachlorocyclopentadiene	mg/kg	3.86	0	1.76	46	*	48	-	116
Hexachloroethane	mg/kg	3.86	0	2.72	70		43	-	111
Indeno(1,2,3-cd)pyrene	mg/kg	3.86	.408	5.91	143	*	43	-	132
Isophorone	mg/kg	3.86	0	3.24	84		55	-	112
N-Nitroso-di-n-propylamine	mg/kg	3.86	0	3.1	80		45	-	122
N-Nitrosodimethylamine	mg/kg	3.86	0	4.61	120		31	-	130
N-Nitrosodiphenylamine	mg/kg	3.79	0	3.68	97		58	-	123
Nitrobenzene	mg/kg	3.86	0	3.24	84		53	-	112
Pentachlorophenol	mg/kg	3.86	0	2.66	69		23	-	142
Phenanthrene	mg/kg	3.86	.135	3.26	81		59	-	107
Phenol	mg/kg	3.86	0	2.88	75		34	-	116
Pyrene	mg/kg	3.86	.188	3.02	73		39	-	135
Pyridine	mg/kg	3.86	0	2.49	65		11	-	92
bis(2-Chloroisopropyl)ether	mg/kg	3.86	0	2.77	72		45	-	113
bis(2-ethylhexyl)phthalate	mg/kg	3.86	0	3.37	87		56	-	127
m,p-Cresol	mg/kg	3.86	0	2.98	77		50	-	110
o-Cresol	mg/kg	3.86	0	3.01	78		50	-	108

RPD : 2 out of 70 outside limits

Spike Recovery: 7 out of 140 outside limits

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 4WSED3 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Analytical Method: SW-846 8270

Prep Batch: 375218 Analytical Batch.: 375227

Spike Dupe HSN : 20806052207

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
1,2 Diphenylhydrazine	mg/kg	3.86	3.93	102		4		60 - 120	0 - 50
2,4,5-Trichlorophenol	mg/kg	3.86	3.37	87		2		58 - 111	0 - 19
2,4,6-Trichlorophenol	mg/kg	3.86	3.51	91		5		60 - 110	0 - 21
2,4-Dichlorophenol	mg/kg	3.86	3.23	84		2		53 - 111	0 - 21
2,4-Dimethylphenol	mg/kg	3.86	3.3	85		1		51 - 108	0 - 22
2,4-Dinitrophenol	mg/kg	3.86	2.05	53		.6		27 - 121	0 - 49
2,4-Dinitrotoluene	mg/kg	3.86	3.24	84		.4		44 - 121	0 - 23
2,6-Dinitrotoluene	mg/kg	3.86	2.66	69		2		55 - 117	0 - 19
2-Chloronaphthalene	mg/kg	3.86	3.54	92		3		57 - 112	0 - 19
2-Chlorophenol	mg/kg	3.86	3.05	79		5		44 - 113	0 - 26
2-Methyl-4,6-dinitrophenol	mg/kg	3.86	2.88	75		.8		49 - 115	0 - 31
2-Methylnaphthalene	mg/kg	3.86	3.9	101		14		53 - 110	0 - 18
2-Nitroaniline	mg/kg	3.86	3.41	88		1		38 - 107	0 - 19
2-Nitrophenol	mg/kg	3.86	3.37	87		3		58 - 110	0 - 20
3,3'-Dichlorobenzidine	mg/kg	3.86	2.03	53		8		24 - 127	0 - 35
3-Nitroaniline	mg/kg	3.86	2.49	65		4		9 - 106	0 - 46
4-Bromophenyl-phenylether	mg/kg	3.86	3.6	93		2		59 - 118	0 - 22
4-Chloro-3-methylphenol	mg/kg	3.86	2.97	77		.8		48 - 112	0 - 24
4-Chloroaniline	mg/kg	3.86	2.12	55		8		3 - 101	0 - 51
4-Chlorophenyl-phenylether	mg/kg	3.86	3.46	90		6		54 - 112	0 - 19
4-Nitroaniline	mg/kg	3.89	2.27	58		6		24 - 99	0 - 25
4-Nitrophenol	mg/kg	3.86	3.47	90		2		38 - 125	0 - 29
Acenaphthene	mg/kg	3.86	3.24	84		0		41 - 120	0 - 19
Acenaphthylene	mg/kg	3.86	3.73	97		2		57 - 105	0 - 18
Acetophenone	mg/kg	3.86	3.04	79		2		55 - 117	0 - 50
Aniline	mg/kg	3.86	3.75	97		7		4 - 126	0 - 29
Anthracene	mg/kg	3.86	3.43	88		5		60 - 108	0 - 19
Atrazine (Aatrex)	mg/kg	3.86	7	182	*	2		37 - 148	0 - 50
Benzaldehyde	mg/kg	3.86	2.1	54		52	*	25 - 127	0 - 50
Benzidine	mg/kg	3.86	0	0	*	0		8 - 78	0 - 50
Benzo(a)anthracene	mg/kg	3.86	3.64	89		7		60 - 107	0 - 19
Benzo(a)pyrene	mg/kg	3.86	3.8	93		.3		62 - 110	0 - 16
Benzo(b)fluoranthene	mg/kg	3.86	4.28	104		5		56 - 110	0 - 24
Benzo(g,h,i)perylene	mg/kg	3.86	4.44	110		7		46 - 128	0 - 19
Benzo(k)fluoranthene	mg/kg	3.86	3.3	85		5		55 - 113	0 - 31
Benzoic acid	mg/kg	3.86	2.18	56		5		10 - 130	0 - 40

RPD : 2 out of 70 outside limits

Spike Recovery: 7 out of 140 outside limits

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 4WSED3 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Analytical Method: SW-846 8270

Prep Batch: 375218 Analytical Batch.: 375227

Benzyl alcohol	mg/kg	3.86	3.17	82		2		48	116	0 - 37
Biphenyl	mg/kg	3.86	3.34	87		.3		43	118	0 - 50
Bis(2-Chloroethoxy)methane	mg/kg	3.86	3.31	86		5		53	109	0 - 20
Bis(2-Chloroethyl)ether	mg/kg	3.86	3.02	78		4		39	114	0 - 24
Butylbenzylphthalate	mg/kg	3.86	3.38	88		6		63	121	0 - 21
Caprolactam	mg/kg	3.86	3.2	83		.4		42	130	0 - 50
Carbazole	mg/kg	3.86	3.11	80		2		50	96	0 - 17
Chrysene	mg/kg	3.79	3.18	82		.7		61	111	0 - 19
Di-n-butylphthalate	mg/kg	3.86	3.47	90		0		60	115	0 - 19
Di-n-octylphthalate	mg/kg	3.86	3.59	93		2		55	121	0 - 18
Dibenz(a,h)anthracene	mg/kg	3.86	4.67	121		6		50	135	0 - 23
Dibenzofuran	mg/kg	3.86	3.58	92		4		55	110	0 - 17
Diethylphthalate	mg/kg	3.86	3.34	87		2		52	114	0 - 20
Dimethyl-phthalate	mg/kg	3.86	3.58	93		1		56	111	0 - 17
Fluoranthene	mg/kg	3.86	3.2	78		5		54	108	0 - 20
Fluorene	mg/kg	3.86	3.19	82		1		54	106	0 - 16
Hexachlorobenzene	mg/kg	3.86	3.73	97		7		50	121	0 - 19
Hexachlorocyclopentadiene	mg/kg	3.86	2.44	63		32	*	48	116	0 - 27
Hexachloroethane	mg/kg	3.86	2.91	76		7		43	111	0 - 21
Indeno(1,2,3-cd)pyrene	mg/kg	3.86	5.94	143	*	.6		43	132	0 - 33
Isophorone	mg/kg	3.86	3.32	86		2		55	112	0 - 26
N-Nitroso-di-n-propylamine	mg/kg	3.86	3.16	82		2		45	122	0 - 38
N-Nitrosodimethylamine	mg/kg	3.86	4.49	116		3		31	130	0 - 20
N-Nitrosodiphenylamine	mg/kg	3.79	3.74	99		2		58	123	0 - 19
Nitrobenzene	mg/kg	3.86	3.25	84		.4		53	112	0 - 23
Pentachlorophenol	mg/kg	3.86	2.72	70		2		23	142	0 - 26
Phenanthrene	mg/kg	3.86	3.44	86		5		59	107	0 - 18
Phenol	mg/kg	3.86	3.01	78		4		34	116	0 - 25
Pyrene	mg/kg	3.86	3.25	79		7		39	135	0 - 26
Pyridine	mg/kg	3.86	2.46	64		1		11	92	0 - 29
bis(2-Chloroisopropyl)ether	mg/kg	3.86	2.88	75		4		45	113	0 - 26
bis(2-ethylhexyl)phthalate	mg/kg	3.86	3.54	92		5		56	127	0 - 21
m,p-Cresol	mg/kg	3.86	3.08	80		3		50	110	0 - 23
o-Cresol	mg/kg	3.86	3.09	80		3		50	108	0 - 25

RPD : 2 out of 70 outside limits

Spike Recovery: 7 out of 140 outside limits

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Analytical Method: SW-846 8270

Prep Batch: 375218 Analytical Batch.: 375227

Spike HSN : 612545

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
1,2 Diphenylhydrazine	mg/kg	3.33	0	3.17	95		60 - 120
2,4,5-Trichlorophenol	mg/kg	3.33	0	3.04	91		58 - 111
2,4,6-Trichlorophenol	mg/kg	3.33	0	3.04	91		60 - 110
2,4-Dichlorophenol	mg/kg	3.33	0	2.96	89		53 - 111
2,4-Dimethylphenol	mg/kg	3.33	0	2.88	86		51 - 108
2,4-Dinitrophenol	mg/kg	3.33	0	1.79	54		27 - 121
2,4-Dinitrotoluene	mg/kg	3.33	0	2.79	84		44 - 121
2,6-Dinitrotoluene	mg/kg	3.33	0	2.25	68		55 - 117
2-Chloronaphthalene	mg/kg	3.33	0	3.08	92		57 - 112
2-Chlorophenol	mg/kg	3.33	0	2.75	83		44 - 113
2-Methyl-4,6-dinitrophenol	mg/kg	3.33	0	2.51	75		49 - 115
2-Methylnaphthalene	mg/kg	3.33	0	3	90		53 - 110
2-Nitroaniline	mg/kg	3.33	0	2.89	87		38 - 107
2-Nitrophenol	mg/kg	3.33	0	2.9	87		58 - 110
3,3'-Dichlorobenzidine	mg/kg	3.33	0	2.36	71		24 - 127
3-Nitroaniline	mg/kg	3.33	0	2.18	65		9 - 106
4-Bromophenyl-phenylether	mg/kg	3.33	0	3.22	97		59 - 118
4-Chloro-3-methylphenol	mg/kg	3.33	0	2.53	76		48 - 112
4-Chloroaniline	mg/kg	3.33	0	2.67	80		3 - 101
4-Chlorophenyl-phenylether	mg/kg	3.33	0	2.97	89		54 - 112
4-Nitroaniline	mg/kg	3.37	0	2.19	65		24 - 99
4-Nitrophenol	mg/kg	3.33	0	2.77	83		38 - 125
Acenaphthene	mg/kg	3.33	0	2.87	86		41 - 120
Acenaphthylene	mg/kg	3.33	0	3.26	98		57 - 105
Acetophenone	mg/kg	3.33	0	2.74	82		55 - 117
Aniline	mg/kg	3.33	0	6.59	198	*	4 - 126
Anthracene	mg/kg	3.33	0	2.84	85		60 - 108
Atrazine (Aatrex)	mg/kg	3.33	0	5.9	177	*	37 - 148
Benzaldehyde	mg/kg	3.33	0	1.08	32		25 - 127
Benzidine	mg/kg	3.33	0	.696	21		8 - 78
Benzo(a)anthracene	mg/kg	3.33	0	2.83	85		60 - 107
Benzo(a)pyrene	mg/kg	3.33	0	3.35	101		62 - 110
Benzo(b)fluoranthene	mg/kg	3.33	0	3.47	104		56 - 110
Benzo(g,h,i)perylene	mg/kg	3.33	0	3.31	99		46 - 128
Benzo(k)fluoranthene	mg/kg	3.33	0	3.8	114	*	55 - 113
Benzoic acid	mg/kg	3.33	0	2.37	71		10 - 130

RPD : 2 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.: 208060522

Contract: Analytical Method: SW-846 8270

Prep Batch: 375218 Analytical Batch.: 375227

Benzyl alcohol	mg/kg	3.33	0	2.88	86		48 - 116
Biphenyl	mg/kg	3.33	0	2.97	89		43 - 118
Bis(2-Chloroethoxy)methane	mg/kg	3.33	0	2.76	83		53 - 109
Bis(2-Chloroethyl)ether	mg/kg	3.33	0	2.66	80		39 - 114
Butylbenzylphthalate	mg/kg	3.33	0	3.27	98		63 - 121
Caprolactam	mg/kg	3.33	0	3.22	97		42 - 130
Carbazole	mg/kg	3.33	0	2.64	79		50 - 96
Chrysene	mg/kg	3.27	0	2.91	89		61 - 111
Di-n-butylphthalate	mg/kg	3.33	0	2.81	84		60 - 115
Di-n-octylphthalate	mg/kg	3.33	0	2.72	82		55 - 121
Dibenz(a,h)anthracene	mg/kg	3.33	0	3.21	96		50 - 135
Dibenzofuran	mg/kg	3.33	0	3.1	93		55 - 110
Diethylphthalate	mg/kg	3.33	0	2.83	85		52 - 114
Dimethyl-phthalate	mg/kg	3.33	0	2.97	89		56 - 111
Fluoranthene	mg/kg	3.33	0	2.39	72		54 - 108
Fluorene	mg/kg	3.33	0	2.8	84		54 - 106
Hexachlorobenzene	mg/kg	3.33	0	3.11	93		50 - 121
Hexachlorocyclopentadiene	mg/kg	3.33	0	2.79	84		48 - 116
Hexachloroethane	mg/kg	3.33	0	2.54	76		43 - 111
Indeno(1,2,3-cd)pyrene	mg/kg	3.33	0	2.53	76		43 - 132
Isophorone	mg/kg	3.33	0	2.84	85		55 - 112
N-Nitroso-di-n-propylamine	mg/kg	3.33	0	2.71	81		45 - 122
N-Nitrosodimethylamine	mg/kg	3.33	0	3.99	120		31 - 130
N-Nitrosodiphenylamine	mg/kg	3.27	0	3.16	97		58 - 123
Nitrobenzene	mg/kg	3.33	0	2.84	85		53 - 112
Pentachlorophenol	mg/kg	3.33	0	2.3	69		23 - 142
Phenanthrene	mg/kg	3.33	0	2.83	85		59 - 107
Phenol	mg/kg	3.33	0	2.73	82		34 - 116
Pyrene	mg/kg	3.33	0	3.25	98		39 - 135
Pyridine	mg/kg	3.33	0	1.99	60		11 - 92
bis(2-Chloroisopropyl)ether	mg/kg	3.33	0	2.55	77		45 - 113
bis(2-ethylhexyl)phthalate	mg/kg	3.33	0	3.19	96		56 - 127
m,p-Cresol	mg/kg	3.33	0	2.91	87		50 - 110
o-Cresol	mg/kg	3.33	0	2.89	87		50 - 108

RPD : 2 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.: 208060522

Contract: Analytical Method: SW-846 8270

Prep Batch: 375218 Analytical Batch.: 375227

Spike Dupe HSN : 612546

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	3.03	91		5		60 - 120	0 - 50
2,4,5-Trichlorophenol	mg/kg	3.33	2.86	86		6		58 - 111	0 - 19
2,4,6-Trichlorophenol	mg/kg	3.33	2.85	86		6		60 - 110	0 - 21
2,4-Dichlorophenol	mg/kg	3.33	2.76	83		7		53 - 111	0 - 21
2,4-Dimethylphenol	mg/kg	3.33	2.72	82		6		51 - 108	0 - 22
2,4-Dinitrophenol	mg/kg	3.33	1.84	55		3		27 - 121	0 - 49
2,4-Dinitrotoluene	mg/kg	3.33	2.73	82		2		44 - 121	0 - 23
2,6-Dinitrotoluene	mg/kg	3.33	2.17	65		4		55 - 117	0 - 19
2-Chloronaphthalene	mg/kg	3.33	2.88	86		7		57 - 112	0 - 19
2-Chlorophenol	mg/kg	3.33	2.57	77		7		44 - 113	0 - 26
2-Methyl-4,6-dinitrophenol	mg/kg	3.33	2.43	73		3		49 - 115	0 - 31
2-Methylnaphthalene	mg/kg	3.33	2.82	85		6		53 - 110	0 - 18
2-Nitroaniline	mg/kg	3.33	2.79	84		4		38 - 107	0 - 19
2-Nitrophenol	mg/kg	3.33	2.73	82		6		58 - 110	0 - 20
3,3'-Dichlorobenzidine	mg/kg	3.33	2.33	70		1		24 - 127	0 - 35
3-Nitroaniline	mg/kg	3.33	2.16	65		.9		9 - 106	0 - 46
4-Bromophenyl-phenylether	mg/kg	3.33	3.05	92		5		59 - 118	0 - 22
4-Chloro-3-methylphenol	mg/kg	3.33	2.73	82		8		48 - 112	0 - 24
4-Chloroaniline	mg/kg	3.33	2.54	76		5		3 - 101	0 - 51
4-Chlorophenyl-phenylether	mg/kg	3.33	2.87	86		3		54 - 112	0 - 19
4-Nitroaniline	mg/kg	3.37	2.47	73		12		24 - 99	0 - 25
4-Nitrophenol	mg/kg	3.33	2.88	86		4		38 - 125	0 - 29
Acenaphthene	mg/kg	3.33	2.72	82		5		41 - 120	0 - 19
Acenaphthylene	mg/kg	3.33	3.14	94		4		57 - 105	0 - 18
Acetophenone	mg/kg	3.33	2.53	76		8		55 - 117	0 - 50
Aniline	mg/kg	3.33	5.61	168	*	16		4 - 126	0 - 29
Anthracene	mg/kg	3.33	2.83	85		.4		60 - 108	0 - 19
Atrazine (Aatrex)	mg/kg	3.33	6.12	184	*	4		37 - 148	0 - 50
Benzaldehyde	mg/kg	3.33	1.86	56		53	*	25 - 127	0 - 50
Benzidine	mg/kg	3.33	1.59	48		78	*	8 - 78	0 - 50
Benzo(a)anthracene	mg/kg	3.33	3.11	93		9		60 - 107	0 - 19
Benzo(a)pyrene	mg/kg	3.33	3.3	99		2		62 - 110	0 - 16
Benzo(b)fluoranthene	mg/kg	3.33	3.4	102		2		56 - 110	0 - 24
Benzo(g,h,i)perylene	mg/kg	3.33	3.28	98		.9		46 - 128	0 - 19
Benzo(k)fluoranthene	mg/kg	3.33	3.92	118	*	3		55 - 113	0 - 31
Benzoic acid	mg/kg	3.33	2.25	68		5		10 - 130	0 - 40

RPD : 2 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.: 208060522

Contract: Analytical Method: SW-846 8270

Prep Batch: 375218 Analytical Batch.: 375227

Benzyl alcohol	mg/kg	3.33	2.71	81		6		48 - 116	0 - 37
Biphenyl	mg/kg	3.33	2.81	84		6		43 - 118	0 - 50
Bis(2-Chloroethoxy)methane	mg/kg	3.33	2.57	77		7		53 - 109	0 - 20
Bis(2-Chloroethyl)ether	mg/kg	3.33	2.4	72		10		39 - 114	0 - 24
Butylbenzylphthalate	mg/kg	3.33	3.3	99		.9		63 - 121	0 - 21
Caprolactam	mg/kg	3.33	2.99	90		7		42 - 130	0 - 50
Carbazole	mg/kg	3.33	2.7	81		2		50 - 96	0 - 17
Chrysene	mg/kg	3.27	2.57	79		12		61 - 111	0 - 19
Di-n-butylphthalate	mg/kg	3.33	2.96	89		5		60 - 115	0 - 19
Di-n-octylphthalate	mg/kg	3.33	2.7	81		.7		55 - 121	0 - 18
Dibenz(a,h)anthracene	mg/kg	3.33	3.15	95		2		50 - 135	0 - 23
Dibenzofuran	mg/kg	3.33	2.94	88		5		55 - 110	0 - 17
Diethylphthalate	mg/kg	3.33	2.76	83		3		52 - 114	0 - 20
Dimethyl-phthalate	mg/kg	3.33	2.84	85		4		56 - 111	0 - 17
Fluoranthene	mg/kg	3.33	2.56	77		7		54 - 108	0 - 20
Fluorene	mg/kg	3.33	2.68	80		4		54 - 106	0 - 16
Hexachlorobenzene	mg/kg	3.33	2.96	89		5		50 - 121	0 - 19
Hexachlorocyclopentadiene	mg/kg	3.33	2.65	80		5		48 - 116	0 - 27
Hexachloroethane	mg/kg	3.33	2.29	69		10		43 - 111	0 - 21
Indeno(1,2,3-cd)pyrene	mg/kg	3.33	2.3	69		10		43 - 132	0 - 33
Isophorone	mg/kg	3.33	2.65	80		7		55 - 112	0 - 26
N-Nitroso-di-n-propylamine	mg/kg	3.33	2.53	76		7		45 - 122	0 - 38
N-Nitrosodimethylamine	mg/kg	3.33	3.99	120		0		31 - 130	0 - 20
N-Nitrosodiphenylamine	mg/kg	3.27	3.08	94		3		58 - 123	0 - 19
Nitrobenzene	mg/kg	3.33	2.63	79		8		53 - 112	0 - 23
Pentachlorophenol	mg/kg	3.33	2.3	69		0		23 - 142	0 - 26
Phenanthrene	mg/kg	3.33	2.78	83		2		59 - 107	0 - 18
Phenol	mg/kg	3.33	2.52	76		8		34 - 116	0 - 25
Pyrene	mg/kg	3.33	3.32	100		2		39 - 135	0 - 26
Pyridine	mg/kg	3.33	1.56	47		24		11 - 92	0 - 29
bis(2-Chloroisopropyl)ether	mg/kg	3.33	2.34	70		9		45 - 113	0 - 26
bis(2-ethylhexyl)phthalate	mg/kg	3.33	3.32	100		4		56 - 127	0 - 21
m,p-Cresol	mg/kg	3.33	2.67	80		9		50 - 110	0 - 23
o-Cresol	mg/kg	3.33	2.66	80		8		50 - 108	0 - 25

RPD : 2 out of 70 outside limits

Spike Recovery: 6 out of 140 outside limits

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Method: SW-846 8270

Prep Batch: 375086 Analytical Batch.: 375227

Spike HSN : 611831

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*REC FLAG*	*QC. LIMITS*
1,2 Diphenylhydrazine	mg/L	.1	0	.109	109		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	.087	87		55 - 114
2,4-Dimethylphenol	mg/L	.1	0	.068	68		14 - 122
2,4-Dinitrophenol	mg/L	.1	0	.064	64		18 - 137
2,4-Dinitrotoluene	mg/L	.1	0	.091	91		37 - 138
2,6-Dinitrotoluene	mg/L	.1	0	.075	75		56 - 128
2-Chloronaphthalene	mg/L	.1	0	.101	101		48 - 110
2-Chlorophenol	mg/L	.1	0	.068	68		42 - 111
2-Methyl-4,6-dinitrophenol	mg/L	.1	0	.085	85		49 - 119
2-Methylnaphthalene	mg/L	.1	0	.105	105		40 - 110
2-Nitroaniline	mg/L	.1	0	.097	97		48 - 107
2-Nitrophenol	mg/L	.1	0	.09	90		59 - 110
3,3'-Dichlorobenzidine	mg/L	.1	0	.113	113		51 - 154
3-Nitroaniline	mg/L	.1	0	.103	103		34 - 118
4-Bromophenyl-phenylether	mg/L	.1	0	.1	100		61 - 112
4-Chloro-3-methylphenol	mg/L	.1	0	.074	74		44 - 118
4-Chloroaniline	mg/L	.1	0	.154	154	*	30 - 114
4-Chlorophenyl-phenylether	mg/L	.1	0	.094	94		52 - 115
4-Nitroaniline	mg/L	.101	0	.09	89		38 - 114
4-Nitrophenol	mg/L	.1	0	.021	21		3 - 83
Acenaphthene	mg/L	.1	0	.095	95		52 - 108
Acenaphthylene	mg/L	.1	0	.105	105	*	55 - 104
Acetophenone	mg/L	.1	0	.092	92		60 - 124
Aniline	mg/L	.1	0	.203	203	*	19 - 124
Anthracene	mg/L	.1	0	.097	97		58 - 113
Atrazine (Aatrex)	mg/L	.1	0	.192	192	*	39 - 148
Benzaldehyde	mg/L	.1	0	.224	224	*	40 - 118
Benzidine	mg/L	.1	0	.388	388	*	10 - 119
Benzo(a)anthracene	mg/L	.1	0	.091	91		56 - 113
Benzo(a)pyrene	mg/L	.1	0	.113	113		56 - 118
Benzo(b)fluoranthene	mg/L	.1	0	.101	101		55 - 116
Benzo(g,h,i)perylene	mg/L	.1	0	.124	124		44 - 132
Benzo(k)fluoranthene	mg/L	.1	0	.125	125	*	49 - 121

RPD : 0 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.: 208060522

Contract: Method: SW-846 8270

Prep Batch: 375086 Analytical Batch.: 375227

Benzoic acid	mg/L	.1	0	0	0	*	10	-	41
Benzyl alcohol	mg/L	.1	0	.068	68		32	-	113
Biphenyl	mg/L	.1	0	.092	92		39	-	122
Bis(2-Chloroethoxy)methane	mg/L	.1	0	.091	91		56	-	112
Bis(2-Chloroethyl)ether	mg/L	.1	0	.086	86		37	-	117
Butylbenzylphthalate	mg/L	.1	0	.088	88		62	-	122
Caprolactam	mg/L	.1	0	.026	26		4	-	41
Carbazole	mg/L	.1	0	.092	92		47	-	107
Chrysene	mg/L	.098	0	.099	101		58	-	117
Di-n-butylphthalate	mg/L	.1	0	.089	89		62	-	122
Di-n-octylphthalate	mg/L	.1	0	.092	92		56	-	133
Dibenz(a,h)anthracene	mg/L	.1	0	.124	124		50	-	138
Dibenzofuran	mg/L	.1	0	.101	101		54	-	112
Diethylphthalate	mg/L	.1	0	.094	94		56	-	120
Dimethyl-phthalate	mg/L	.1	0	.097	97		59	-	116
Fluoranthene	mg/L	.1	0	.081	81		55	-	118
Fluorene	mg/L	.1	0	.092	92		54	-	111
Hexachlorobenzene	mg/L	.1	0	.097	97		61	-	112
Hexachlorocyclopentadiene	mg/L	.1	0	.084	84		16	-	98
Hexachloroethane	mg/L	.1	0	.081	81		21	-	95
Indeno(1,2,3-cd)pyrene	mg/L	.1	0	.136	136	*	43	-	133
Isophorone	mg/L	.1	0	.091	91		53	-	117
N-Nitroso-di-n-propylamine	mg/L	.1	0	.09	90		47	-	118
N-Nitrosodimethylamine	mg/L	.1	0	.045	45		12	-	82
N-Nitrosodiphenylamine	mg/L	.098	0	.105	107		58	-	121
Nitrobenzene	mg/L	.1	0	.083	83		53	-	113
Pentachlorophenol	mg/L	.1	0	.066	66		25	-	158
Phenanthrene	mg/L	.1	0	.093	93		58	-	111
Phenol	mg/L	.1	0	.021	21		16	-	65
Pyrene	mg/L	.1	0	.083	83		54	-	117
Pyridine	mg/L	.1	0	.038	38		2	-	75
bis(2-Chloroisopropyl)ether	mg/L	.1	0	.083	83		47	-	116
bis(2-ethylhexyl)phthalate	mg/L	.1	0	.087	87		56	-	132
m,p-Cresol	mg/L	.1	0	.047	47		24	-	104
o-Cresol	mg/L	.1	0	.056	56		31	-	110

RPD : 0 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.: 208060522

Contract: Method: SW-846 8270

Prep Batch: 375086 Analytical Batch.: 375227

Spike Dupe HSN : 611832

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	.097	97		12		60 - 120	0 - 50
2,4,5-Trichlorophenol	mg/L	.1	.084	84		12		60 - 116	0 - 50
2,4,6-Trichlorophenol	mg/L	.1	.087	87		12		59 - 115	0 - 50
2,4-Dichlorophenol	mg/L	.1	.081	81		7		55 - 114	0 - 50
2,4-Dimethylphenol	mg/L	.1	.061	61		11		14 - 122	0 - 50
2,4-Dinitrophenol	mg/L	.1	.056	56		13		18 - 137	0 - 50
2,4-Dinitrotoluene	mg/L	.1	.078	78		15		37 - 138	0 - 33
2,6-Dinitrotoluene	mg/L	.1	.066	66		13		56 - 128	0 - 50
2-Chloronaphthalene	mg/L	.1	.09	90		12		48 - 110	0 - 50
2-Chlorophenol	mg/L	.1	.061	61		11		42 - 111	0 - 24
2-Methyl-4,6-dinitrophenol	mg/L	.1	.076	76		11		49 - 119	0 - 50
2-Methylnaphthalene	mg/L	.1	.099	99		6		40 - 110	0 - 50
2-Nitroaniline	mg/L	.1	.086	86		12		48 - 107	0 - 50
2-Nitrophenol	mg/L	.1	.084	84		7		59 - 110	0 - 50
3,3'-Dichlorobenzidine	mg/L	.1	.102	102		10		51 - 154	0 - 50
3-Nitroaniline	mg/L	.1	.089	89		15		34 - 118	0 - 50
4-Bromophenyl-phenylether	mg/L	.1	.094	94		6		61 - 112	0 - 50
4-Chloro-3-methylphenol	mg/L	.1	.069	69		7		44 - 118	0 - 26
4-Chloroaniline	mg/L	.1	.143	143	*	7		30 - 114	0 - 50
4-Chlorophenyl-phenylether	mg/L	.1	.082	82		14		52 - 115	0 - 50
4-Nitroaniline	mg/L	.101	.074	73		20		38 - 114	0 - 50
4-Nitrophenol	mg/L	.1	.016	16		27		3 - 83	0 - 31
Acenaphthene	mg/L	.1	.084	84		12		52 - 108	0 - 32
Acenaphthylene	mg/L	.1	.096	96		9		55 - 104	0 - 50
Acetophenone	mg/L	.1	.088	88		4		60 - 124	0 - 50
Aniline	mg/L	.1	.201	201	*	1		19 - 124	0 - 50
Anthracene	mg/L	.1	.085	85		13		58 - 113	0 - 50
Atrazine (Aatrex)	mg/L	.1	.18	180	*	6		39 - 148	0 - 50
Benzaldehyde	mg/L	.1	.226	226	*	.9		40 - 118	0 - 50
Benzidine	mg/L	.1	.574	574	*	39		10 - 119	0 - 50
Benzo(a)anthracene	mg/L	.1	.088	88		3		56 - 113	0 - 50
Benzo(a)pyrene	mg/L	.1	.099	99		13		56 - 118	0 - 50
Benzo(b)fluoranthene	mg/L	.1	.112	112		10		55 - 116	0 - 50
Benzo(g,h,i)perylene	mg/L	.1	.107	107		15		44 - 132	0 - 50
Benzo(k)fluoranthene	mg/L	.1	.093	93		29		49 - 121	0 - 50

RPD : 0 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.: 208060522

Contract: Method: SW-846 8270

Prep Batch: 375086 Analytical Batch.: 375227

Benzoic acid	mg/L	.1	0	0	*	0		10 - 41	0 - 50
Benzyl alcohol	mg/L	.1	.063	63		8		32 - 113	0 - 50
Biphenyl	mg/L	.1	.091	91		1		39 - 122	0 - 50
Bis(2-Chloroethoxy)methane	mg/L	.1	.086	86		6		56 - 112	0 - 50
Bis(2-Chloroethyl)ether	mg/L	.1	.078	78		10		37 - 117	0 - 50
Butylbenzylphthalate	mg/L	.1	.083	83		6		62 - 122	0 - 50
Caprolactam	mg/L	.1	.022	22		17		4 - 41	0 - 50
Carbazole	mg/L	.1	.082	82		11		47 - 107	0 - 50
Chrysene	mg/L	.098	.079	80		22		58 - 117	0 - 50
Di-n-butylphthalate	mg/L	.1	.08	80		11		62 - 122	0 - 50
Di-n-octylphthalate	mg/L	.1	.077	77		18		56 - 133	0 - 50
Dibenz(a,h)anthracene	mg/L	.1	.112	112		10		50 - 138	0 - 50
Dibenzofuran	mg/L	.1	.089	89		13		54 - 112	0 - 50
Diethylphthalate	mg/L	.1	.08	80		16		56 - 120	0 - 50
Dimethyl-phthalate	mg/L	.1	.083	83		16		59 - 116	0 - 50
Fluoranthene	mg/L	.1	.075	75		8		55 - 118	0 - 50
Fluorene	mg/L	.1	.082	82		11		54 - 111	0 - 50
Hexachlorobenzene	mg/L	.1	.088	88		10		61 - 112	0 - 50
Hexachlorocyclopentadiene	mg/L	.1	.074	74		13		16 - 98	0 - 50
Hexachloroethane	mg/L	.1	.074	74		9		21 - 95	0 - 50
Indeno(1,2,3-cd)pyrene	mg/L	.1	.118	118		14		43 - 133	0 - 50
Isophorone	mg/L	.1	.087	87		4		53 - 117	0 - 50
N-Nitroso-di-n-propylamine	mg/L	.1	.085	85		6		47 - 118	0 - 32
N-Nitrosodimethylamine	mg/L	.1	.042	42		7		12 - 82	0 - 50
N-Nitrosodiphenylamine	mg/L	.098	.093	94		12		58 - 121	0 - 50
Nitrobenzene	mg/L	.1	.075	75		10		53 - 113	0 - 50
Pentachlorophenol	mg/L	.1	.06	60		10		25 - 158	0 - 32
Phenanthrene	mg/L	.1	.082	82		13		58 - 111	0 - 50
Phenol	mg/L	.1	.018	18		15		16 - 65	0 - 25
Pyrene	mg/L	.1	.083	83		0		54 - 117	0 - 30
Pyridine	mg/L	.1	.035	35		8		2 - 75	0 - 50
bis(2-Chloroisopropyl)ether	mg/L	.1	.076	76		9		47 - 116	0 - 50
bis(2-ethylhexyl)phthalate	mg/L	.1	.08	80		8		56 - 132	0 - 50
m,p-Cresol	mg/L	.1	.043	43		9		24 - 104	0 - 50
o-Cresol	mg/L	.1	.05	50		11		31 - 110	0 - 50

RPD : 0 out of 70 outside limits

Spike Recovery: 15 out of 140 outside limits

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Analytical Method: SW-846 8270

Prep Batch: 375004 Analytical Batch.: 375151

Spike HSN : 611350 COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	LCS % REC FLAG	QC. LIMITS
1,2 Diphenylhydrazine	mg/kg	3.33	0	3.74	112		60 - 120
2,4,5-Trichlorophenol	mg/kg	3.33	0	3.54	106		58 - 111
2,4,6-Trichlorophenol	mg/kg	3.33	0	3.58	107		60 - 110
2,4-Dichlorophenol	mg/kg	3.33	0	3.41	102		53 - 111
2,4-Dimethylphenol	mg/kg	3.33	0	3.2	96		51 - 108
2,4-Dinitrophenol	mg/kg	3.33	0	2.39	72		27 - 121
2,4-Dinitrotoluene	mg/kg	3.33	0	2.95	89		44 - 121
2,6-Dinitrotoluene	mg/kg	3.33	0	2.44	73		55 - 117
2-Chloronaphthalene	mg/kg	3.33	0	3.59	108		57 - 112
2-Chlorophenol	mg/kg	3.33	0	3.5	105		44 - 113
2-Methyl-4,6-dinitrophenol	mg/kg	3.33	0	3.14	94		49 - 115
2-Methylnaphthalene	mg/kg	3.33	0	3.86	116	*	53 - 110
2-Nitroaniline	mg/kg	3.33	0	3.22	97		38 - 107
2-Nitrophenol	mg/kg	3.33	0	3.37	101		58 - 110
3,3'-Dichlorobenzidine	mg/kg	3.33	0	2.89	87		24 - 127
3-Nitroaniline	mg/kg	3.33	0	2.19	66		9 - 106
4-Bromophenyl-phenylether	mg/kg	3.33	0	4.03	121	*	59 - 118
4-Chloro-3-methylphenol	mg/kg	3.33	0	2.74	82		48 - 112
4-Chloroaniline	mg/kg	3.33	0	3.5	105	*	3 - 101
4-Chlorophenyl-phenylether	mg/kg	3.33	0	3.3	99		54 - 112
4-Nitroaniline	mg/kg	3.37	0	2.58	77		24 - 99
4-Nitrophenol	mg/kg	3.33	0	3.13	94		38 - 125
Acenaphthene	mg/kg	3.33	0	3.26	98		41 - 120
Acenaphthylene	mg/kg	3.33	0	3.54	106	*	57 - 105
Acetophenone	mg/kg	3.33	0	3.51	105		55 - 117
Aniline	mg/kg	3.33	0	12.4	372	*	4 - 126
Anthracene	mg/kg	3.33	0	3.51	105		60 - 108
Atrazine (Aatrex)	mg/kg	3.33	0	6.8	204	*	37 - 148
Benzaldehyde	mg/kg	3.33	0	3.64	109		25 - 127
Benzidine	mg/kg	3.33	0	11.7	351	*	8 - 78
Benzo(a)anthracene	mg/kg	3.33	0	3.61	108	*	60 - 107
Benzo(a)pyrene	mg/kg	3.33	0	4.06	122	*	62 - 110
Benzo(b)fluoranthene	mg/kg	3.33	0	4.08	122	*	56 - 110
Benzo(g,h,i)perylene	mg/kg	3.33	0	4.02	121		46 - 128
Benzo(k)fluoranthene	mg/kg	3.33	0	4.54	136	*	55 - 113
Benzoic acid	mg/kg	3.33	0	3.22	97		10 - 130

RPD : 0 out of 0 outside limits

Spike Recovery: 12 out of 70 outside limits

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Analytical Method: SW-846 8270

Prep Batch: 375004 Analytical Batch.: 375151

Benzyl alcohol	mg/kg	3.33	0	3.66	110		48	-	116
Biphenyl	mg/kg	3.33	0	3.41	102		43	-	118
Bis(2-Chloroethoxy)methane	mg/kg	3.33	0	3.28	98		53	-	109
Bis(2-Chloroethyl)ether	mg/kg	3.33	0	3.32	100		39	-	114
Butylbenzylphthalate	mg/kg	3.33	0	3.97	119		63	-	121
Caprolactam	mg/kg	3.33	0	3.25	98		42	-	130
Carbazole	mg/kg	3.33	0	3.18	95		50	-	96
Chrysene	mg/kg	3.27	0	3.26	100		61	-	111
Di-n-butylphthalate	mg/kg	3.33	0	3.33	100		60	-	115
Di-n-octylphthalate	mg/kg	3.33	0	3.29	99		55	-	121
Dibenz(a,h)anthracene	mg/kg	3.33	0	4.06	122		50	-	135
Dibenzofuran	mg/kg	3.33	0	3.42	103		55	-	110
Diethylphthalate	mg/kg	3.33	0	3	90		52	-	114
Dimethyl-phthalate	mg/kg	3.33	0	3.22	97		56	-	111
Fluoranthene	mg/kg	3.33	0	2.78	83		54	-	108
Fluorene	mg/kg	3.33	0	3.15	95		54	-	106
Hexachlorobenzene	mg/kg	3.33	0	3.86	116		50	-	121
Hexachlorocyclopentadiene	mg/kg	3.33	0	3.6	108		48	-	116
Hexachloroethane	mg/kg	3.33	0	2.97	89		43	-	111
Indeno(1,2,3-cd)pyrene	mg/kg	3.33	0	3.12	94		43	-	132
Isophorone	mg/kg	3.33	0	3.28	98		55	-	112
N-Nitroso-di-n-propylamine	mg/kg	3.33	0	3.35	101		45	-	122
N-Nitrosodimethylamine	mg/kg	3.33	0	3.81	114		31	-	130
N-Nitrosodiphenylamine	mg/kg	3.27	0	3.82	117		58	-	123
Nitrobenzene	mg/kg	3.33	0	3.27	98		53	-	112
Pentachlorophenol	mg/kg	3.33	0	2.74	82		23	-	142
Phenanthrene	mg/kg	3.33	0	3.35	101		59	-	107
Phenol	mg/kg	3.33	0	3.49	105		34	-	116
Pyrene	mg/kg	3.33	0	4.21	126		39	-	135
Pyridine	mg/kg	3.33	0	1.82	55		11	-	92
bis(2-Chloroisopropyl)ether	mg/kg	3.33	0	3.12	94		45	-	113
bis(2-ethylhexyl)phthalate	mg/kg	3.33	0	3.87	116		56	-	127
m,p-Cresol	mg/kg	3.33	0	3.63	109		50	-	110
o-Cresol	mg/kg	3.33	0	3.64	109	*	50	-	108

RPD : 0 out of 0 outside limits

Spike Recovery: 12 out of 70 outside limits

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB611349

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

Lab File ID: 2080607/d6382 | SAS No.: | SDG No.: 208060522

GC Column: RTX-5MS-30 | ID: .25 (mm) | Lab Sample ID: 611349 | Date Extracted: 06/06/08

Instrument ID: MSSV5 | Matrix: Soil | Date Analyzed: 06/07/08 | Time: 1329

Level: LOW | Method: SW-846 8270

Prep Batch: 375004 | Analytical Batch: 375151

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS611350	611350	2080607/d6384	06/07/08	1400
2.	SE600	20806052209	2080607/d6399	06/07/08	1749
3.	SWSED8 (1-2)	20806052210	2080607/d6400	06/07/08	1804
4.	2WSED10 (1-2)	20806052211	2080607/d6401	06/07/08	1820

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB611830

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

Lab File ID: 2080609/d6420 | SAS No.: | SDG No.: 208060522

GC Column: RTX-5MS-30 | ID: .25 (mm) | Lab Sample ID: 611830 | Date Extracted: 06/07/08

Instrument ID: MSSV5 | Matrix: Water | Date Analyzed: 06/09/08 | Time: 0937

Level: LOW | Method: SW-846 8270

Prep Batch: 375086 | Analytical Batch: 375227

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS611831	611831	2080609/d6421	06/09/08	0952
2.	LCSD611832	611832	2080609/d6422	06/09/08	1009
3.	SE-060408-EB	20806052212	2080609/d6436	06/09/08	1346
4.	SE-060408-FB	20806052213	2080609/d6437	06/09/08	1402

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB612544

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

Lab File ID: 2080609/d6438 | SAS No.: | SDG No.: 208060522

GC Column: RTX-5MS-30 | ID: .25 (mm) | Lab Sample ID: 612544 | Date Extracted: 06/09/08

Instrument ID: MSSV5 | Matrix: Soil | Date Analyzed: 06/09/08 | Time: 1417

Level: LOW | Method: SW-846 8270

Prep Batch: 375218 | Analytical Batch: 375227

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS612545	612545	2080609/d6439	06/09/08	1432
2.	LCSD612546	612546	2080609/d6440	06/09/08	1448
3.	4WSED3 (0-0.5)	20806052205	2080609/d6441	06/09/08	1503
4.	4WSED3 (0-0.5) MSD	20806052207	2080609/d6442	06/09/08	1518
5.	4WSED3 (0-0.5) MS	20806052206	2080609/d6443	06/09/08	1534
6.	4WSED2 (0-0.5)	20806052208	2080609/d6444	06/09/08	1549

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHEC

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Lab File ID: 2080602/d6197 DFTPP Injection Date: 06/02/08 Time: 0807

GC Column: RTX-5MS-30 ID: .25 (mm) Analytical Batch: 374680

Instrument ID: MSSV5

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*
51	30.0-60.0% of mass 198	36.75 ( ) ( )
68	Less than 2% of mass 69	.66 (1.21) (1)
69	Mass 69 relative abundance	54.66 ( ) ( )
70	Less than 2.0% of mass 69	.33 (.61) (1)
127	40.0-60.0% of mass 198	50.36 ( ) ( )
197	Less than 1.0% of mass 198	.57 ( ) ( )
198	Base Peak, 100% relative abundance	100 ( ) ( )
199	5.0-9.0% of mass 198	6.05 ( ) ( )
275	10.0-30.0% of mass 198	24.91 ( ) ( )
365	Greater than 1.0% of mass 198	3.06 ( ) ( )
441	Present, but less than mass 443	8.83 ( ) ( )
442	40.0-100.0% of mass 198	61.97 ( ) ( )
443	17.0-23.0% of mass 442	11.88 (19.18) (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	2080602/d6198	06/02/08	0824
2.	APP9040	1400	2080602/d6199	06/02/08	0839
3.	STD010	1204	2080602/d6201	06/02/08	0909
4.	STD080	1206	2080602/d6202	06/02/08	0924
5.	STD120	1207	2080602/d6203	06/02/08	0939
6.	STD160	1208	2080602/d6204	06/02/08	0955
7.	STD200	1209	2080602/d6205	06/02/08	1010
8.	STD002	1203	2080602/d6206	06/02/08	1025
9.	STD001	1202	2080602/d6207	06/02/08	1041
10.	STD0.2	1201	2080602/d6208	06/02/08	1056

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHEC

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Lab File ID: 2080607/d6364 DFTPP Injection Date: 06/07/08 Time: 0841

GC Column: RTX-5MS-30 ID: .25 (mm) Analytical Batch: 375151

Instrument ID: MSSV5

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*
51	30.0-60.0% of mass 198	35.95 ( ) ( )
68	Less than 2% of mass 69	.65 (1.23) (1)
69	Mass 69 relative abundance	53.34 ( ) ( )
70	Less than 2.0% of mass 69	.2 (.38) (1)
127	40.0-60.0% of mass 198	49.19 ( ) ( )
197	Less than 1.0% of mass 198	.85 ( ) ( )
198	Base Peak, 100% relative abundance	100 ( ) ( )
199	5.0-9.0% of mass 198	6.5 ( ) ( )
275	10.0-30.0% of mass 198	25.47 ( ) ( )
365	Greater than 1.0% of mass 198	3.05 ( ) ( )
441	Present, but less than mass 443	8.64 ( ) ( )
442	40.0-100.0% of mass 198	65.17 ( ) ( )
443	17.0-23.0% of mass 442	12.29 (18.87) (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.	APP9040	1400	2080607/d6366	06/07/08	0912
2.	STD050	1400	2080607/d6368	06/07/08	0943
3.	MB611349	611349	2080607/d6382	06/07/08	1329
4.	LCS611350	611350	2080607/d6384	06/07/08	1400
5.	SE600	20806052209	2080607/d6399	06/07/08	1749
6.	SWSED8 (1-2)	20806052210	2080607/d6400	06/07/08	1804
7.	2WSED10 (1-2)	20806052211	2080607/d6401	06/07/08	1820

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHEC

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Lab File ID: 2080609/d6415 DFTPP Injection Date: 06/09/08 Time: 0821

GC Column: RTX-5MS-30 ID: .25 (mm) Analytical Batch: 375227

Instrument ID: MSSV5

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*
51	30.0-60.0% of mass 198	37.3 ( ) ( )
68	Less than 2% of mass 69	.8 (1.44) (1)
69	Mass 69 relative abundance	56.05 ( ) ( )
70	Less than 2.0% of mass 69	.33 (.59) (1)
127	40.0-60.0% of mass 198	51.19 ( ) ( )
197	Less than 1.0% of mass 198	.81 ( ) ( )
198	Base Peak, 100% relative abundance	100 ( ) ( )
199	5.0-9.0% of mass 198	6.37 ( ) ( )
275	10.0-30.0% of mass 198	25.1 ( ) ( )
365	Greater than 1.0% of mass 198	3.13 ( ) ( )
441	Present, but less than mass 443	8.9 ( ) ( )
442	40.0-100.0% of mass 198	63.91 ( ) ( )
443	17.0-23.0% of mass 442	12.69 (19.86) (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	1400	2080609/d6416	06/09/08	0836
2.	APP9040	1400	2080609/d6417	06/09/08	0851
3.	APQ040	1400	2080609/d6418	06/09/08	0906
4.	MB611830	611830	2080609/d6420	06/09/08	0937
5.	LCS611831	611831	2080609/d6421	06/09/08	0952
6.	LCSD611832	611832	2080609/d6422	06/09/08	1009
7.	SE-060408-EB	20806052212	2080609/d6436	06/09/08	1346
8.	SE-060408-FB	20806052213	2080609/d6437	06/09/08	1402
9.	MB612544	612544	2080609/d6438	06/09/08	1417
10.	LCS612545	612545	2080609/d6439	06/09/08	1432
11.	LCSD612546	612546	2080609/d6440	06/09/08	1448

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHEC

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Lab File ID: 2080609/d6415 DFTPP Injection Date: 06/09/08 Time: 0821

GC Column: RTX-5MS-30 ID: .25 (mm) Analytical Batch: 375227

Instrument ID: MSSV5

12.	4WSED3 (0-0.5)	20806052205	2080609/d6441	06/09/08	1503
13.	4WSED3 (0-0.5) MSD	20806052207	2080609/d6442	06/09/08	1518
14.	4WSED3 (0-0.5) MS	20806052206	2080609/d6443	06/09/08	1534
15.	4WSED2 (0-0.5)	20806052208	2080609/d6444	06/09/08	1549

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Lab File ID (Standard): 2080607/d6366 Date Analyzed: 06/07/08 Time: 0912

Instrument ID: MSSV5 GC Column: RTX-5MS-30 ID: .25 (mm)

Analytical Batch: 375151 Method: SW-846 8270

	IS 1		IS 2		IS 3	
	Area	RT	Area	RT	Area	RT
STANDARD	2545467	2.37	1370521	3.42	1736179	4.3

	EPA Sample No.	#	#	#	#	#	#
1.	MB611349	3782190	2.37	2169651	3.42	3078483	4.3
2.	LCS611350	3336699	2.37	1537744	3.42	1884194	4.3
3.	SE600	2719972	2.37	1024821	3.42	1009145	4.3
4.	SWSED8 (1-2)	2616964	2.37	1071684	3.42	1121611	4.3
5.	2WSED10 (1-2)	2836379	2.37	1158231	3.42	1168773	4.3

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): 2080607/d6366 Date Analyzed: 06/07/08 Time: 0912

Instrument ID: MSSV5 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	776493	6.89		956100	5.9		619819	1.55	
1.	MB611349	580611	6.88		1263858	5.9		927927	1.55	
2.	LCS611350	562747	6.88		901319	5.9		880924	1.56	
3.	SE600	1148322	6.9		971250	5.9		803316	1.55	
4.	SWSED8 (1-2)	1184059	6.88		995844	5.9		753854	1.55	
5.	2WSED10 (1-2)	1167029	6.88		951310	5.9		802636	1.55	

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Lab File ID (Standard): 2080609/d6416 Date Analyzed: 06/09/08 Time: 0836

Instrument ID: MSSV5 GC Column: RTX-5MS-30 ID: .25 (mm)

Analytical Batch: 375227 Method: SW-846 8270

	IS 1		IS 2		IS 3	
	Area	RT	Area	RT	Area	RT
STANDARD	1872569	2.36	933916	3.41	1434904	4.29

	EPA Sample No.	#		#		#		#		#		#	
1.	MB611830	1467526		2.36		769433		3.41		1192754		4.29	
2.	4WSED3 (0-0.5) MSD	2176462		2.36		979660		3.42		1273891		4.3	
3.	4WSED3 (0-0.5) MS	2143452		2.36		983705		3.41		1286955		4.3	
4.	4WSED2 (0-0.5)	1833767		2.36		830952		3.41		1085848		4.29	
5.	LCS611831	1656433		2.36		743842		3.41		1000418		4.29	
6.	LCSD611832	1765704		2.36		868137		3.41		1130490		4.3	
7.	SE-060408-EB	1640505		2.36		885620		3.41		1328257		4.29	
8.	SE-060408-FB	1385032		2.36		714309		3.41		1072422		4.29	
9.	MB612544	3134800		2.36		1694097		3.41		2556843		4.29	
10.	LCS612545	2539764		2.36		1198356		3.41		1660833		4.3	
11.	LCSD612546	2905098		2.36		1402833		3.41		1978523		4.3	
12.	4WSED3 (0-0.5)	2463975		2.36		1126993		3.41		1508558		4.29	

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): 2080609/d6416 Date Analyzed: 06/09/08 Time: 0836

Instrument ID: MSSV5 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	889973		6.88	1025394		5.9	526849		1.54
			#			#			#	
1.	MB611830	588581		6.88	736453		5.89	401374		1.54
2.	4WSED3 (0-0.5) MSD	958875		6.89	914373		5.9	639706		1.54
3.	4WSED3 (0-0.5) MS	1020008		6.89	953949		5.9	635569		1.55
4.	4WSED2 (0-0.5)	1071939		6.89	910452		5.9	532044		1.54
5.	LCS611831	628679		6.88	717078		5.9	473106		1.54
6.	LCSD611832	631308		6.88	753319		5.9	490751		1.54
7.	SE-060408-EB	601874		6.88	820613		5.9	441616		1.54
8.	SE-060408-FB	589817		6.88	791426		5.9	394905		1.54
9.	MB612544	851319		6.88	1513358		5.9	830000		1.54
10.	LCS612545	544040		6.88	887802		5.9	711569		1.55
11.	LCSD612546	613840		6.88	1118442		5.9	818292		1.55
12.	4WSED3 (0-0.5)	767753		6.88	838500		5.9	708157		1.54

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.: 208060522
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 14.2 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: 4WSED3 (0-0.5)
Contract:
Lab File ID: 2080609/d6441
Lab Sample ID: 20806052205
Date Collected: 06/04/08 Time: 1200
Date Received: 06/05/08
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1503
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.385	U	0.011	0.385
95-95-4	2,4,5-Trichlorophenol	0.385	U	0.00762	0.385
88-06-2	2,4,6-Trichlorophenol	0.385	U	0.00880	0.385
120-83-2	2,4-Dichlorophenol	0.385	U	0.00907	0.385
51-28-5	2,4-Dinitrophenol	1.92	U	0.019	1.92
121-14-2	2,4-Dinitrotoluene	0.385	U	0.024	0.385
606-20-2	2,6-Dinitrotoluene	0.385	U	0.00661	0.385
91-58-7	2-Chloronaphthalene	0.385	U	0.010	0.385
95-57-8	2-Chlorophenol	0.385	U	0.016	0.385
91-57-6	2-Methylnaphthalene	0.077	U	0.00936	0.077
88-74-4	2-Nitroaniline	1.92	U	0.00681	1.92
88-75-5	2-Nitrophenol	0.385	U	0.011	0.385
91-94-1	3,3'-Dichlorobenzidine	0.769	U	0.026	0.769
99-09-2	3-Nitroaniline	1.92	U	0.036	1.92
534-52-1	2-Methyl-4,6-dinitrophenol	1.92	U	0.046	1.92
59-50-7	4-Chloro-3-methylphenol	0.385	U	0.00939	0.385
106-47-8	4-Chloroaniline	0.385	U	0.00466	0.385
7005-72-3	4-Chlorophenyl-phenylether	0.385	U	0.00747	0.385
83-32-9	Acenaphthene	0.016	J	0.010	0.077
208-96-8	Acenaphthylene	0.077	U	0.00746	0.077
98-86-2	Acetophenone	0.385	U	0.00953	0.385
62-53-3	Aniline	0.385	U	0.021	0.385
120-12-7	Anthracene	0.033	J	0.00688	0.077
1912-24-9	Atrazine (Aatrex)	0.769	U	0.019	0.769
100-52-7	Benzaldehyde	0.769	U	0.031	0.769
92-87-5	Benzidine	1.92	U	0.294	1.92
56-55-3	Benzo(a)anthracene	0.199		0.00488	0.077
50-32-8	Benzo(a)pyrene	0.227		0.00832	0.077
205-99-2	Benzo(b)fluoranthene	0.277	J	0.011	0.385

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208060522

Matrix: Soil

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 14.2 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: 4WSED3 (0-0.5)

Contract:

Lab File ID: 2080609/d6441

Lab Sample ID: 20806052205

Date Collected: 06/04/08 Time: 1200

Date Received: 06/05/08

Date Extracted: 06/09/08

Date Analyzed: 06/09/08 Time: 1503

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV5

Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.209	J	0.00833	0.385
207-08-9	Benzo(k)fluoranthene	0.385	U	0.010	0.385
65-85-0	Benzoic acid	1.92	U	0.038	1.92
100-51-6	Benzyl alcohol	0.385	U	0.012	0.385
92-52-4	Biphenyl	0.385	U	0.00642	0.385
111-91-1	Bis(2-Chloroethoxy)methane	0.385	U	0.00869	0.385
111-44-4	Bis(2-Chloroethyl)ether	0.385	U	0.034	0.385
108-60-1	bis(2-Chloroisopropyl)ether	0.385	U	0.038	0.385
117-81-7	bis(2-ethylhexyl)phthalate	0.077	U	0.045	0.077
101-55-3	4-Bromophenyl-phenylether	0.385	U	0.00703	0.385
85-68-7	Butylbenzylphthalate	0.385	U	0.00886	0.385
105-60-2	Caprolactam	0.385	U	0.011	0.385
86-74-8	Carbazole	0.018	J	0.00892	0.385
218-01-9	Chrysene	0.094	J	0.00728	0.385
84-74-2	Di-n-butylphthalate	0.385	U	0.00774	0.385
117-84-0	Di-n-octylphthalate	0.385	U	0.021	0.385
53-70-3	Dibenz(a,h)anthracene	0.077	U	0.00635	0.077
132-64-9	Dibenzofuran	0.010	J	0.00589	0.385
84-66-2	Diethylphthalate	0.385	U	0.00734	0.385
131-11-3	Dimethyl-phthalate	0.385	U	0.00593	0.385
105-67-9	2,4-Dimethylphenol	0.385	U	0.010	0.385
206-44-0	Fluoranthene	0.176	J	0.00625	0.385
86-73-7	Fluorene	0.015	J	0.00636	0.077
118-74-1	Hexachlorobenzene	0.385	U	0.012	0.385
77-47-4	Hexachlorocyclopentadiene	0.385	U	0.022	0.385
67-72-1	Hexachloroethane	0.385	U	0.033	0.385
193-39-5	Indeno(1,2,3-cd)pyrene	0.408		0.012	0.385
78-59-1	Isophorone	0.385	U	0.00873	0.385
100-01-6	4-Nitroaniline	1.92	U	0.00937	1.92

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 14.2 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: 4WSED3 (0-0.5)
Contract:
Lab File ID: 2080609/d6441
Lab Sample ID: 20806052205
Date Collected: 06/04/08 Time: 1200
Date Received: 06/05/08
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1503
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.385	U	0.046	0.385
100-02-7	4-Nitrophenol	1.92	U	0.039	1.92
87-86-5	Pentachlorophenol	1.92	U	0.020	1.92
85-01-8	Phenanthrene	0.135		0.00674	0.077
108-95-2	Phenol	0.385	U	0.012	0.385
129-00-0	Pyrene	0.188	J	0.00788	0.385
110-86-1	Pyridine	0.385	U	0.019	0.385
1319-77-3M	m,p-Cresol	0.385	U	0.011	0.385
621-64-7	N-Nitroso-di-n-propylamine	0.077	U	0.011	0.077
62-75-9	N-Nitrosodimethylamine	0.385	U	0.113	0.385
86-30-6	N-Nitrosodiphenylamine	0.385	U	0.00657	0.385
95-48-7	o-Cresol	0.385	U	0.020	0.385

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080609.s.b/d6441.d
Lab Smp Id: 20806052205 Client Smp ID: 20806052205
Inj Date : 09-JUN-2008 15:03
Operator : KCB Inst ID: MSSV5.i
Smp Info : 20806052205*4482*
Misc Info : 20806052206*MSSV~5025~*060522*30.0-1*375218*
Comment :
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Meth Date : 11-Jun-2008 15:46 rjo Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.d
Als bottle: 36
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	Weigth 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	0.703	0.697	(0.456)	1357038	85.7500	2860
$	4 Phenol-d5	99	1.419	1.425	(0.920)	2547815	70.2593	2340
*	10 1,4-Dichlorobenzene-d4	152	1.543	1.537	(1.000)	708157	40.0000	
$	19 Nitrobenzene-d5	82	1.922	1.927	(0.816)	1320777	41.2012	1370
*	28 Naphthalene-d8	136	2.356	2.355	(1.000)	2463975	40.0000	
$	37 2-Fluorobiphenyl	172	3.029	3.035	(0.889)	1499033	42.6418	1420
*	44 Acenaphthene-d10	164	3.409	3.414	(1.000)	1126993	40.0000	
	45 Acenaphthene +	153	3.425	3.430	(1.005)	12553	0.41291	13.8(H)
	47 Dibenzofuran	168	3.538	3.537	(1.038)	10629	0.26157	8.72(H)
	51 Fluorene	166	3.741	3.741	(1.097)	13132	0.39543	13.2
$	57 2,4,6-Tribromophenol	332	3.891	3.896	(1.141)	322388	76.3183	2540

170600

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
*	61 Phenanthrene-d10	188	4.292	4.292	(1.000)	1508558	40.0000	
	62 Phenanthrene	178	4.302	4.308	(1.002)	135038	3.46686	116
	63 Anthracene	178	4.335	4.340	(1.010)	31813	0.83926	28.0
	64 Carbazole	167	4.463	4.463	(1.040)	15492	0.46870	15.6
	67 Fluoranthene +	202	5.014	5.014	(1.168)	173611	4.53186	151
	69 Pyrene	202	5.142	5.142	(0.872)	140153	4.82971	161
$	70 Terphenyl-d14	244	5.276	5.276	(0.895)	863437	45.9214	1530
	72 Benzo(a)anthracene	228	5.891	5.891	(0.999)	57559	5.12402	171(H)
*	74 Chrysene-d12	240	5.896	5.902	(1.000)	838500	40.0000	
	75 Chrysene	228	5.912	5.918	(1.003)	66203	2.41623	80.5
	78 Benzo(b)fluoranthene	252	6.629	6.629	(0.963)	66147	7.13729	238(M2)
	80 Benzo(a)pyrene +	252	6.843	6.843	(0.995)	51020	5.85183	195
*	81 Perylene-d12	264	6.880	6.880	(1.000)	767753	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.597	7.586	(1.288)	48632	10.5148	350
	84 Benzo(g,h,i)perylene	276	7.752	7.747	(1.127)	76303	5.38171	179
	155 Benzaldehyde	77	1.243	1.221	(0.806)	4935	0.48652	16.2

QC Flag Legend

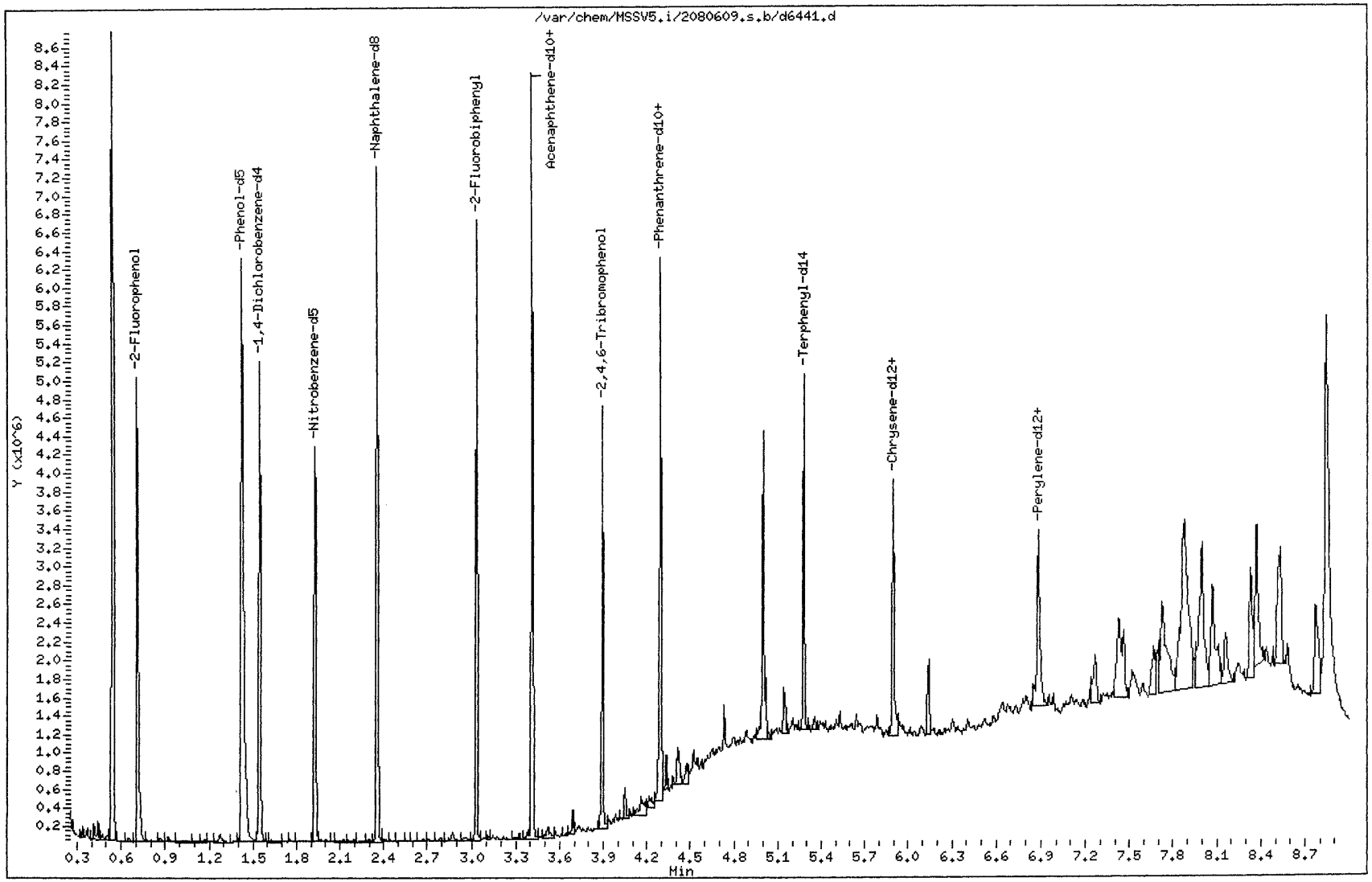
M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

170601

Data File: /var/chem/MSSV5.i/2080609.s.b/d6441.d
Date : 09-JUN-2008 15:03
Client ID: 20806052205
Sample Info: 20806052205*4482*
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i

Operator: KCB
Column diameter: 0.25



Data File: /var/chem/MSSV5.i/2080609.s.b/d6441.d

Date : 09-JUN-2008 15:03

Client ID: 20806052205

Instrument: MSSV5.i

Sample Info: 20806052205*4482*

Volume Injected (uL): 1.0

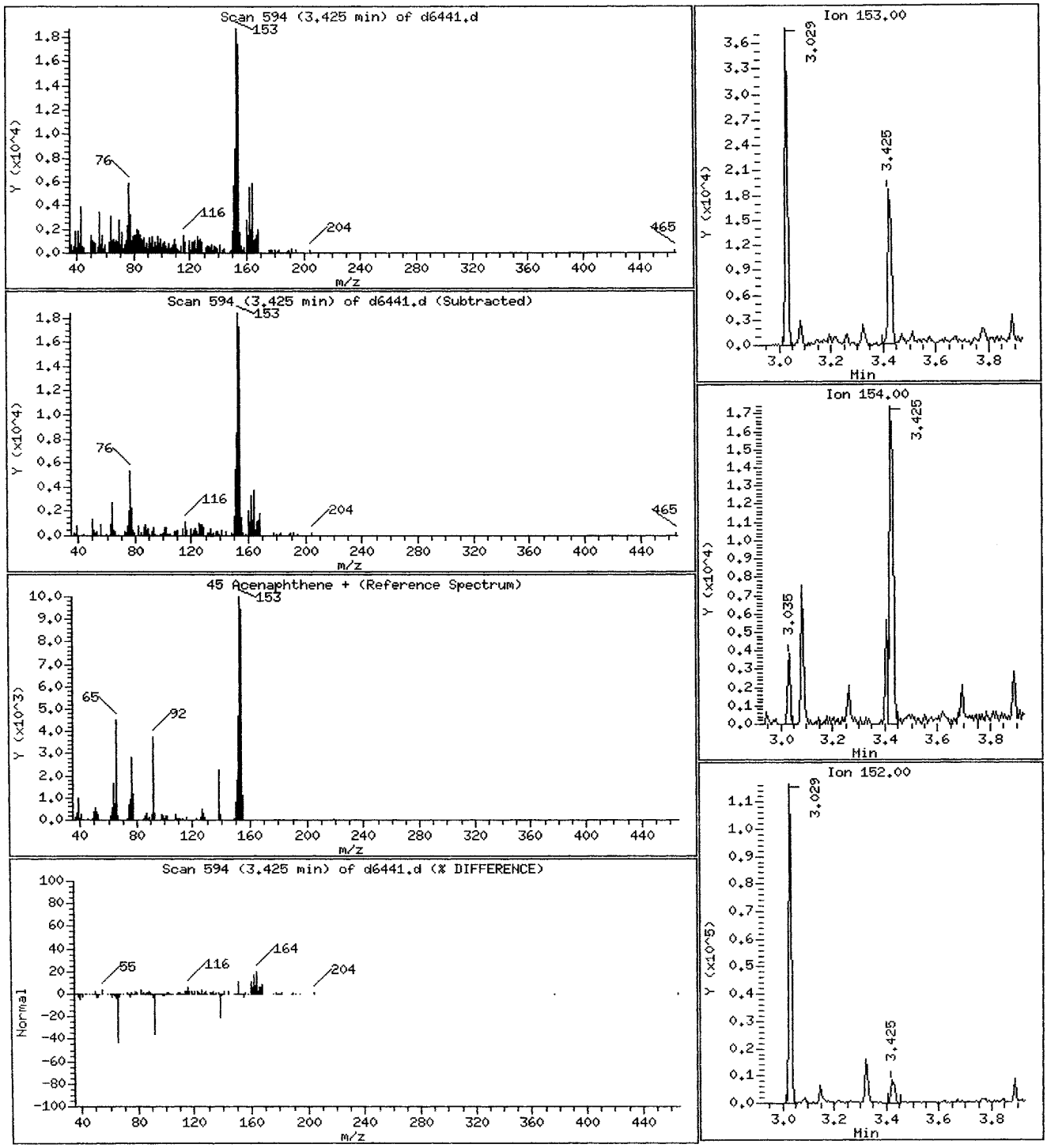
Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 0.25

45 Acenaphthene +

Concentration: 13.8 ug/Kg



170603

Data File: /var/chem/MSSV5.i/2080609.s.b/d6441.d

Date : 09-JUN-2008 15:03

Client ID: 20806052205

Instrument: MSSV5.i

Sample Info: 20806052205*4482*

Volume Injected (uL): 1.0

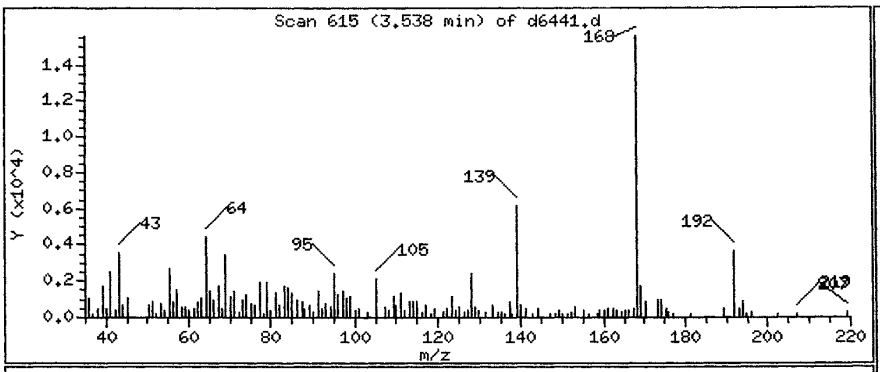
Operator: KCB

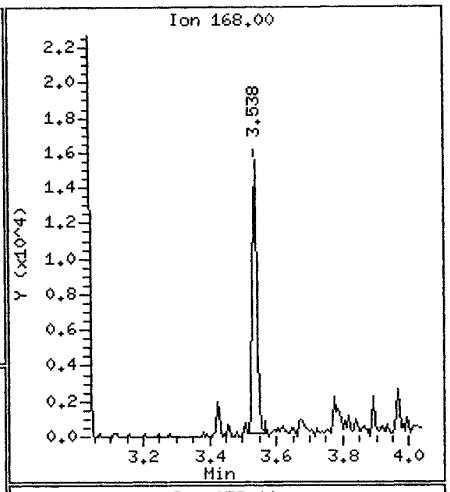
Column phase: RTX-5MS-30M

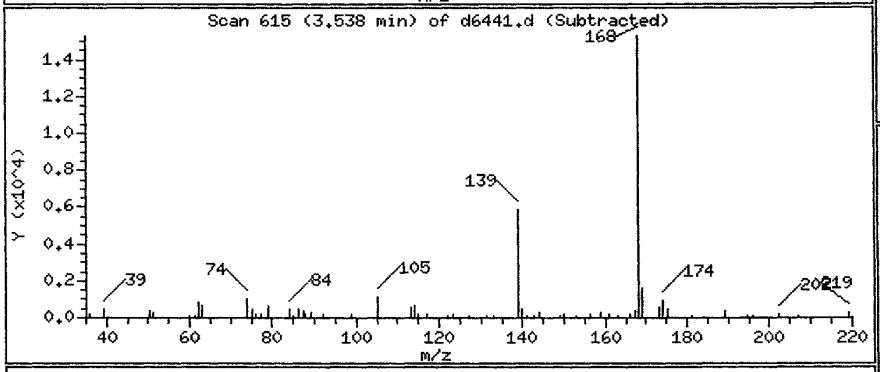
Column diameter: 0.25

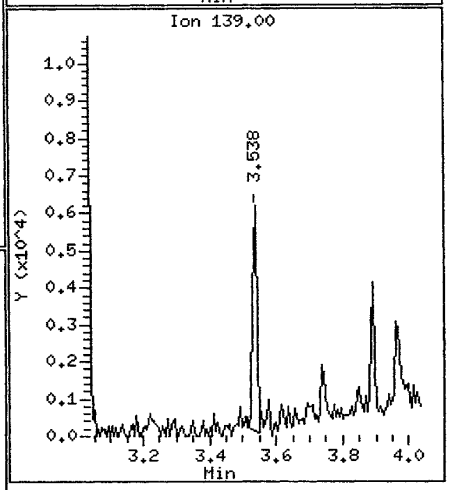
47 Dibenzofuran

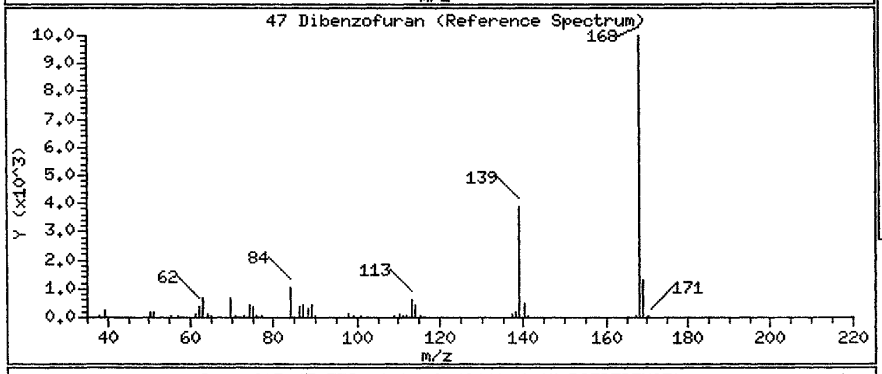
Concentration: 8.72 ug/Kg

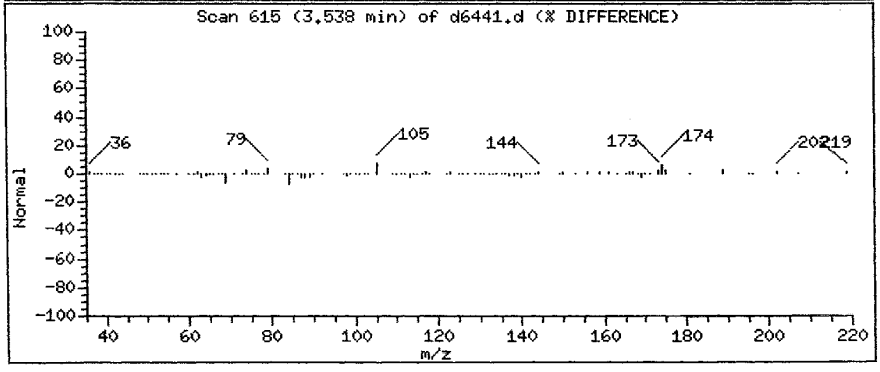












Data File: /var/chem/MSSV5.i/2080609.s.b/d6441.d

Date : 09-JUN-2008 15:03

Client ID: 20806052205

Instrument: MSSV5.i

Sample Info: 20806052205*4482*

Volume Injected (uL): 1.0

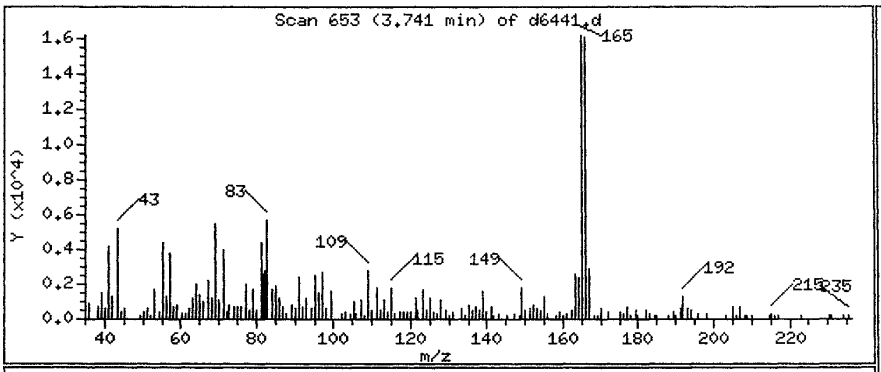
Operator: KCB

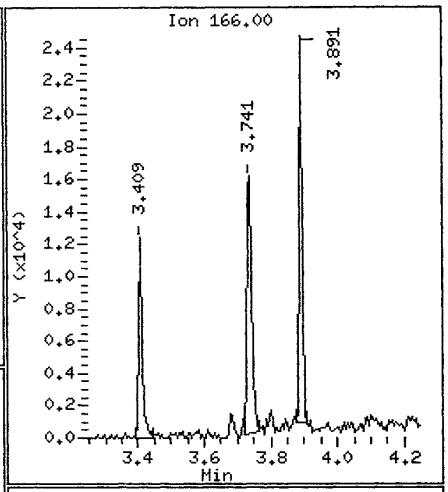
Column phase: RTX-5MS-30M

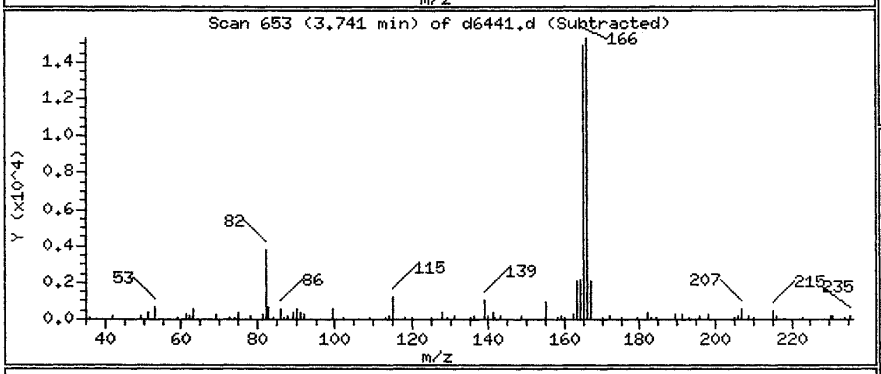
Column diameter: 0.25

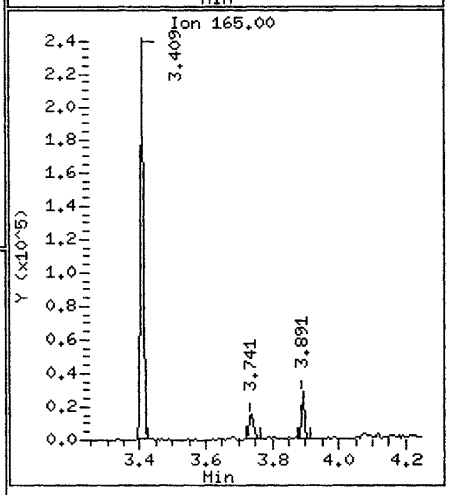
51 Fluorene

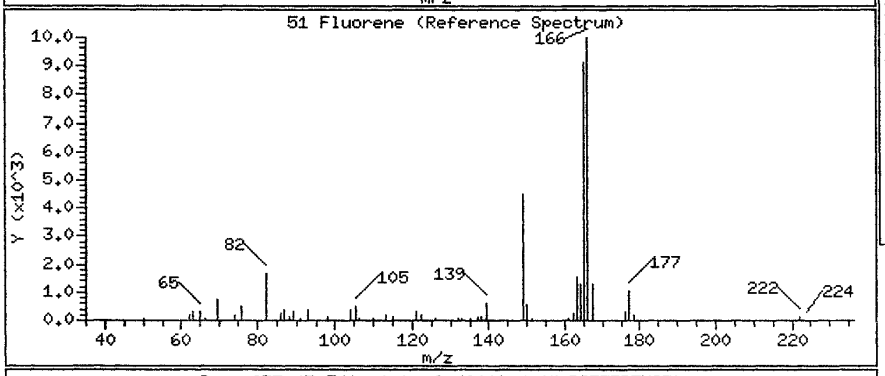
Concentration: 13.2 ug/Kg

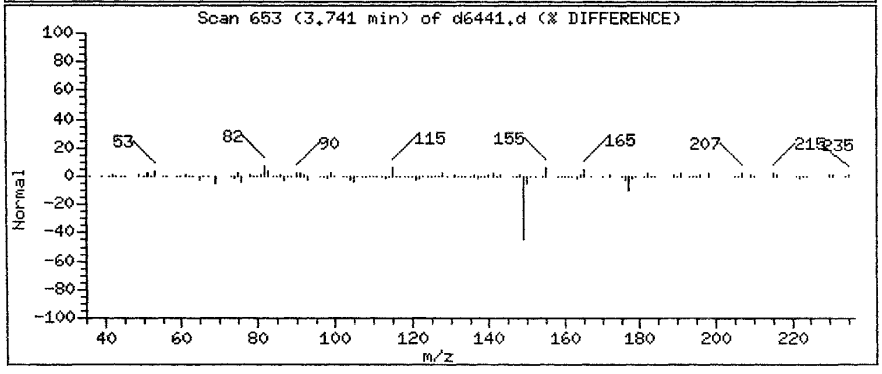












Data File: /var/chem/MSSV5.i/2080609.s.b/d6441.d

Date : 09-JUN-2008 15:03

Client ID: 20806052205

Instrument: MSSV5.i

Sample Info: 20806052205*4482*

Volume Injected (uL): 1.0

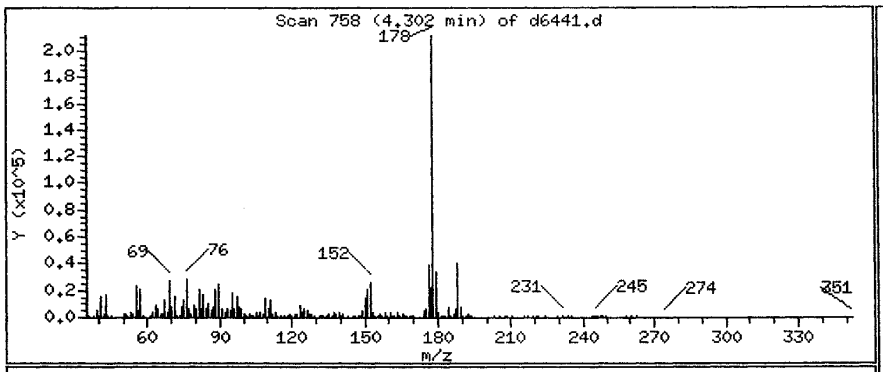
Operator: KCB

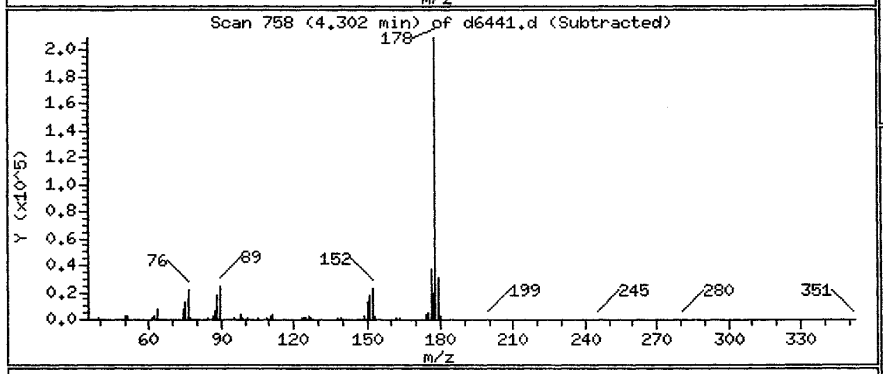
Column phase: RTX-5MS-30M

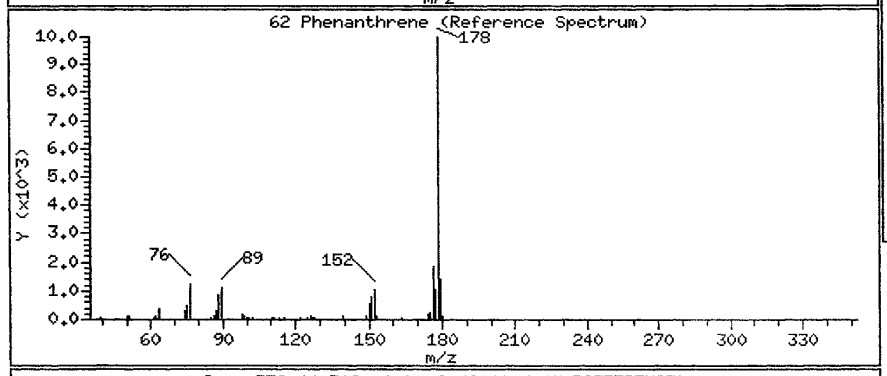
Column diameter: 0.25

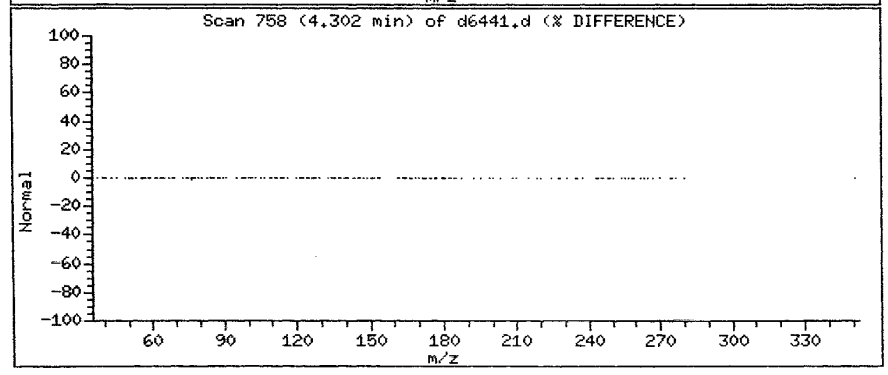
62 Phenanthrene

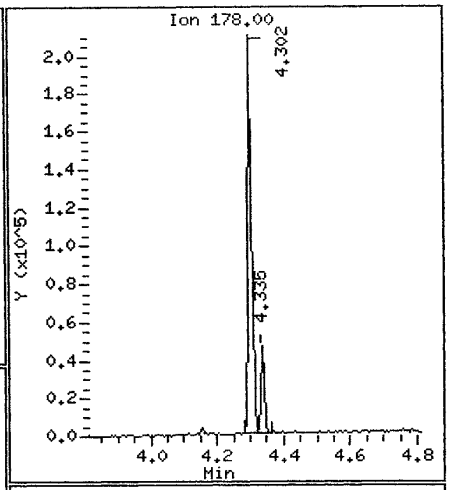
Concentration: 116 ug/Kg

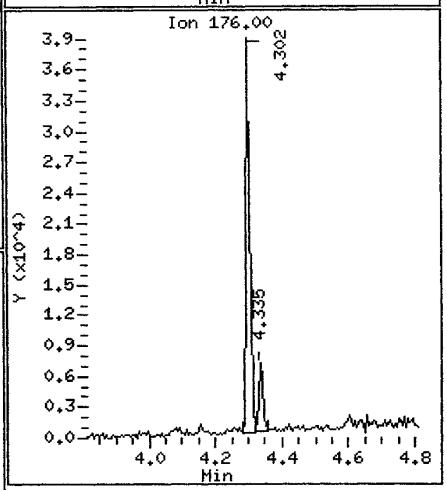












Data File: /var/chem/MSSV5.i/2080609.s.b/d6441.d

Date : 09-JUN-2008 15:03

Client ID: 20806052205

Instrument: MSSV5.i

Sample Info: 20806052205*4482*

Volume Injected (uL): 1.0

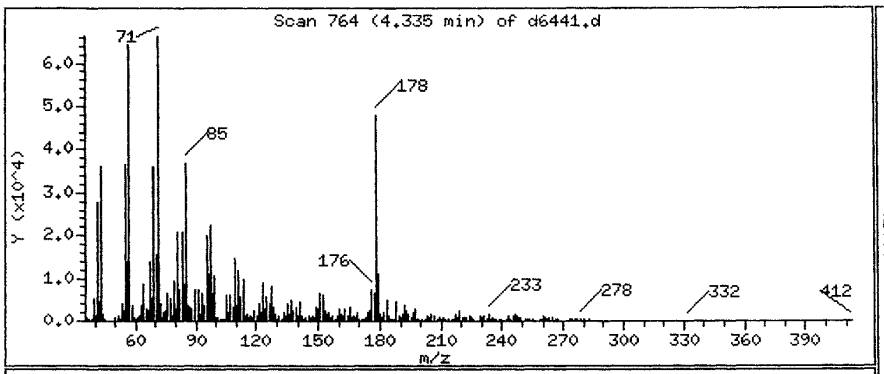
Operator: KCB

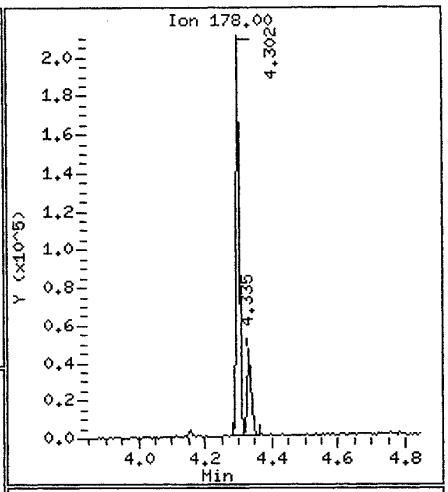
Column phase: RTX-5MS-30M

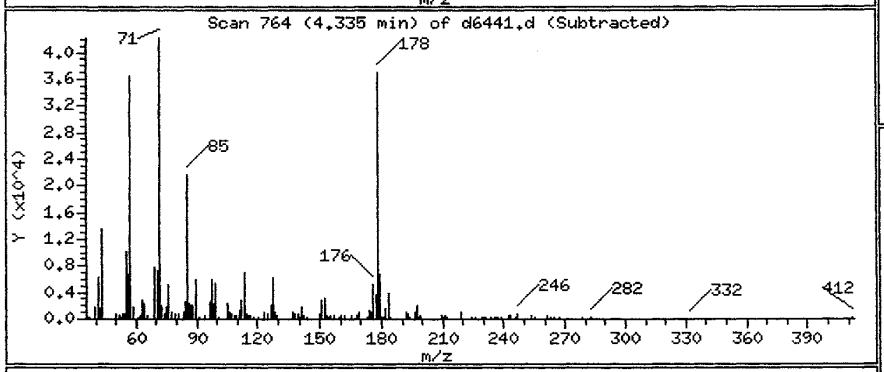
Column diameter: 0.25

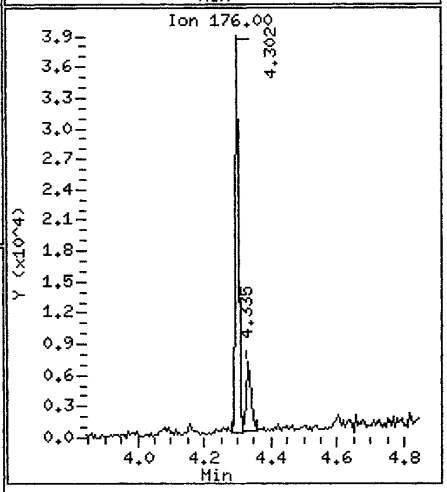
63 Anthracene

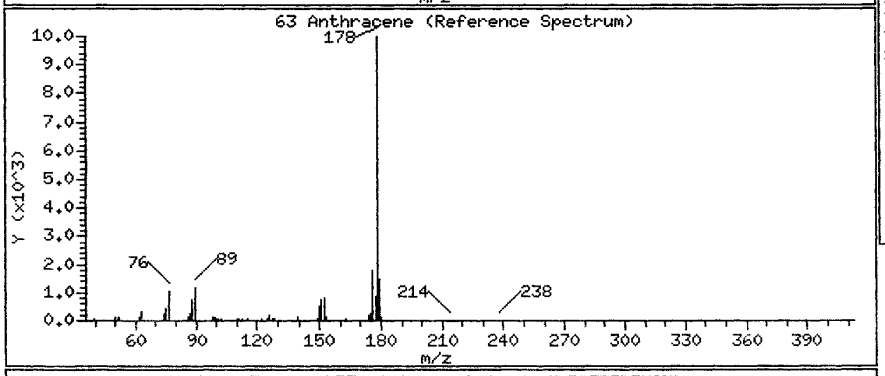
Concentration: 28.0 ug/Kg

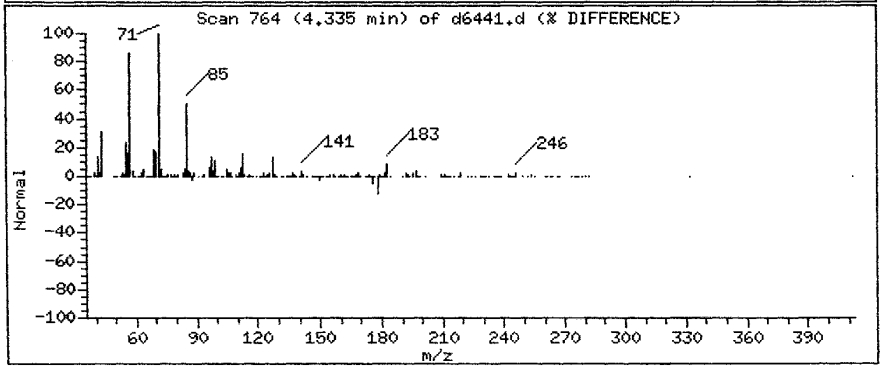












Data File: /var/chem/MSSV5.i/2080609.s.b/d6441.d

Date : 09-JUN-2008 15:03

Client ID: 20806052205

Instrument: MSSV5.i

Sample Info: 20806052205*4482*

Volume Injected (uL): 1.0

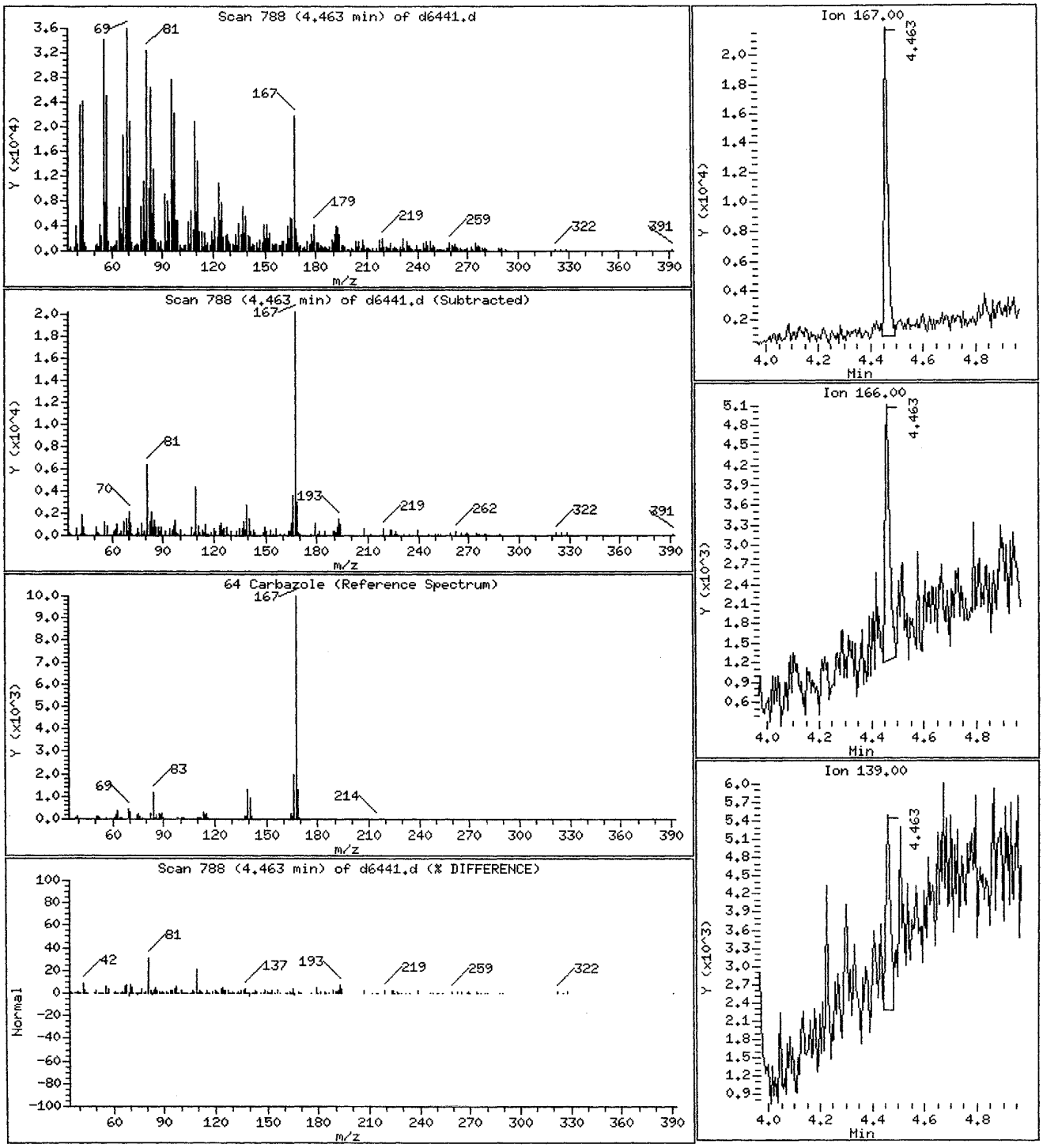
Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 0.25

64 Carbazole

Concentration: 15.6 ug/Kg



170608

Data File: /var/chem/MSSV5.i/2080609.s.b/d6441.d

Date : 09-JUN-2008 15:03

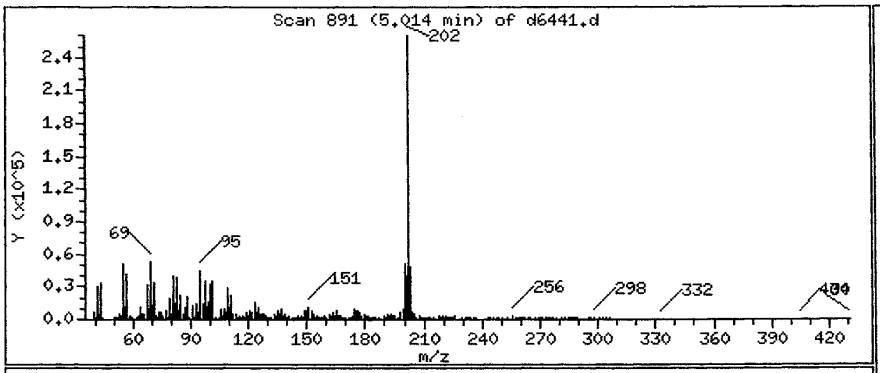
Client ID: 20806052205 Instrument: MSSV5.i

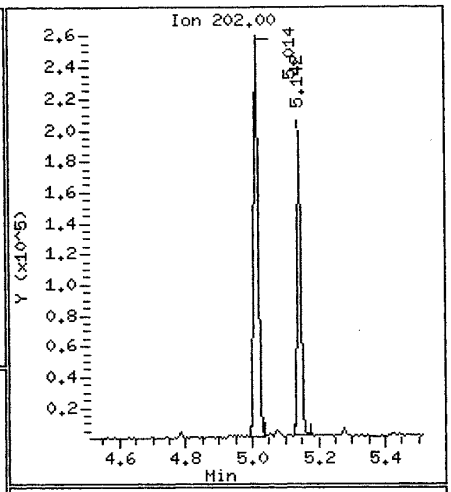
Sample Info: 20806052205*4482*

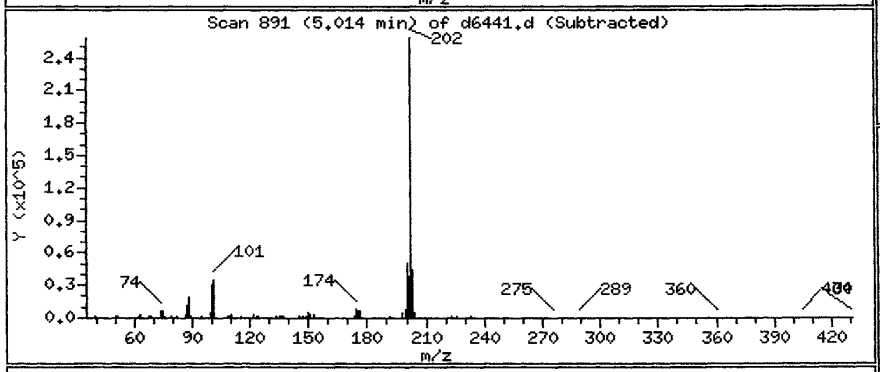
Volume Injected (uL): 1.0 Operator: KCB

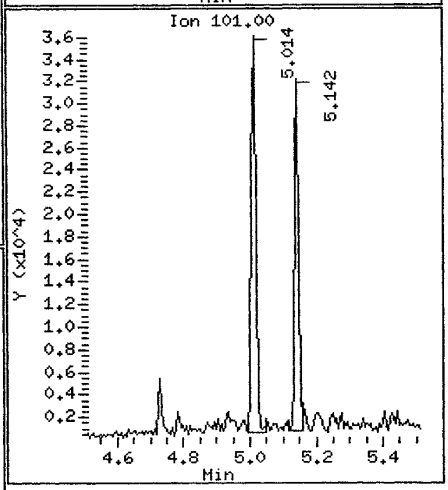
Column phase: RTX-5MS-30M Column diameter: 0.25

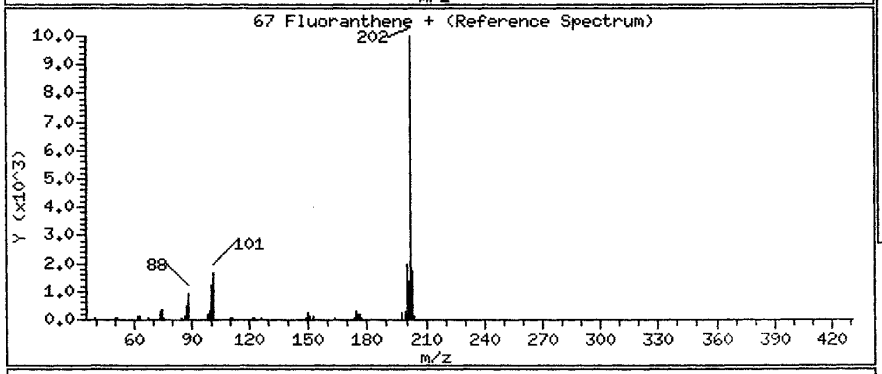
67 Fluoranthene + Concentration: 151 ug/Kg

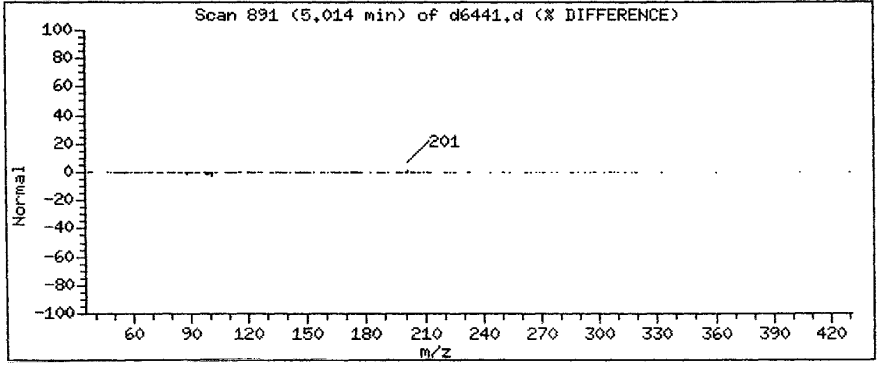












Data File: /var/chem/MSSV5.i/2080609.s.b/d6441.d

Date : 09-JUN-2008 15:03

Client ID: 20806052205

Instrument: MSSV5.i

Sample Info: 20806052205*4482*

Volume Injected (uL): 1.0

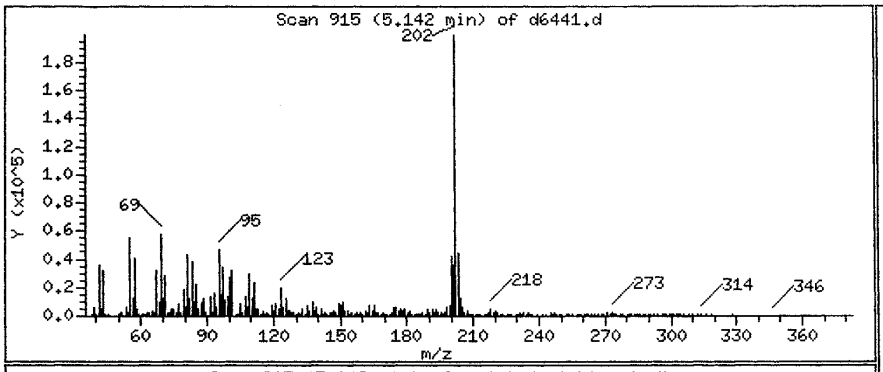
Operator: KCB

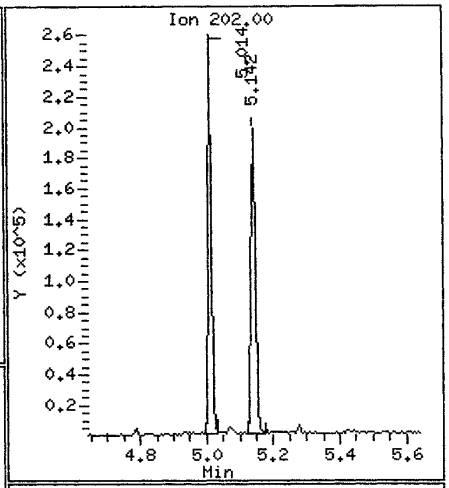
Column phase: RTX-5MS-30M

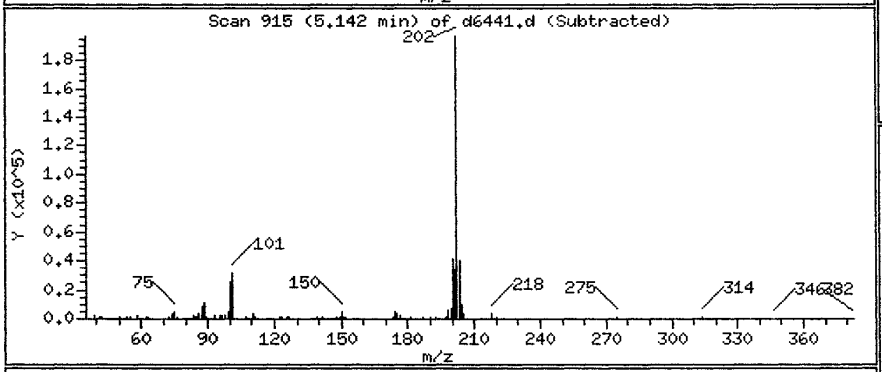
Column diameter: 0.25

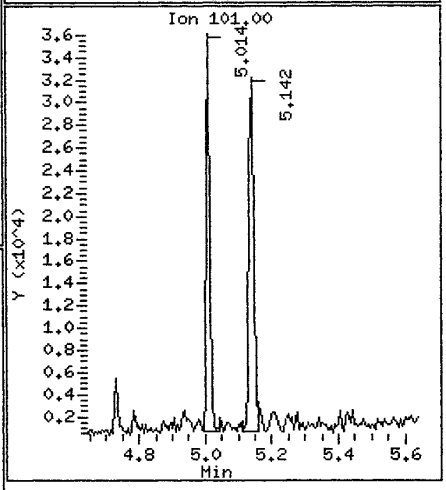
69 Pyrene

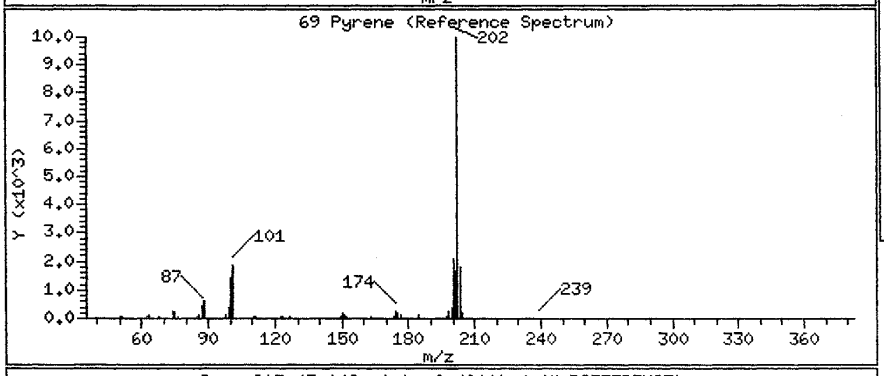
Concentration: 161 ug/Kg

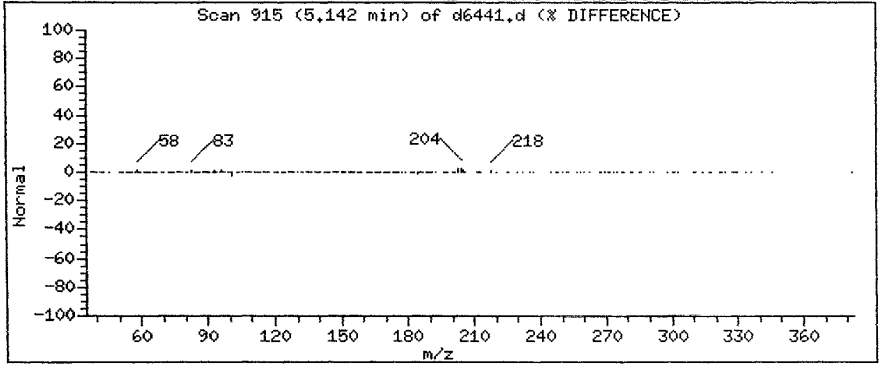












Data File: /var/chem/MSSV5.i/2080609.s.b/d6441.d

Date : 09-JUN-2008 15:03

Client ID: 20806052205

Instrument: MSSV5.i

Sample Info: 20806052205*4482*

Volume Injected (uL): 1.0

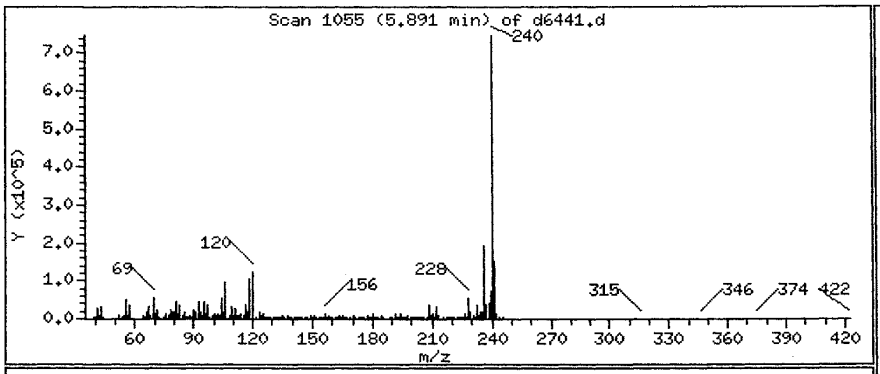
Operator: KCB

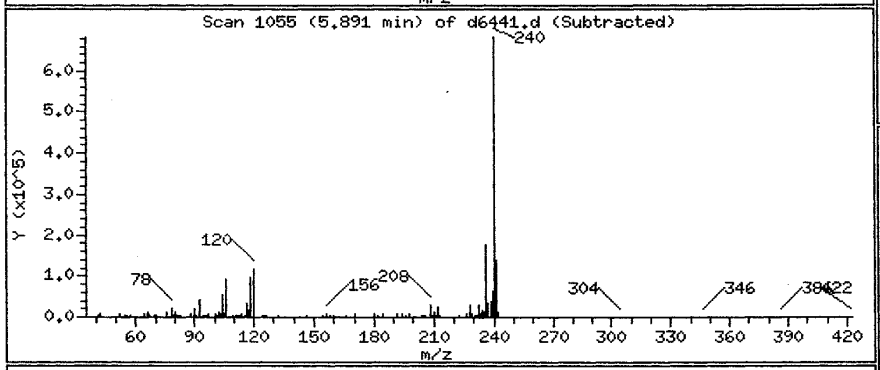
Column phase: RTX-5MS-30M

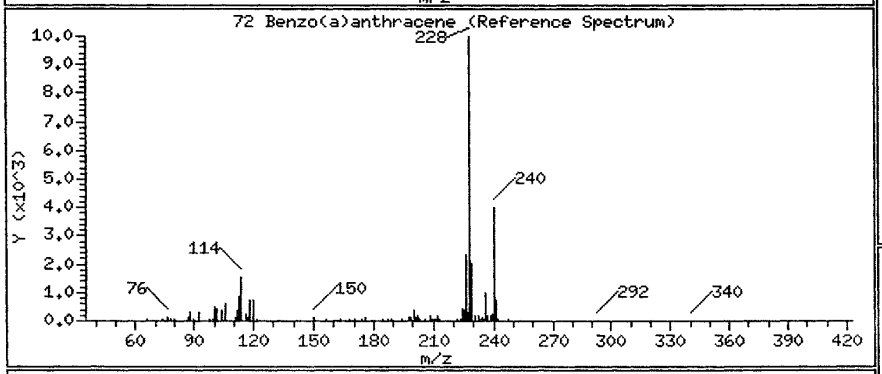
Column diameter: 0.25

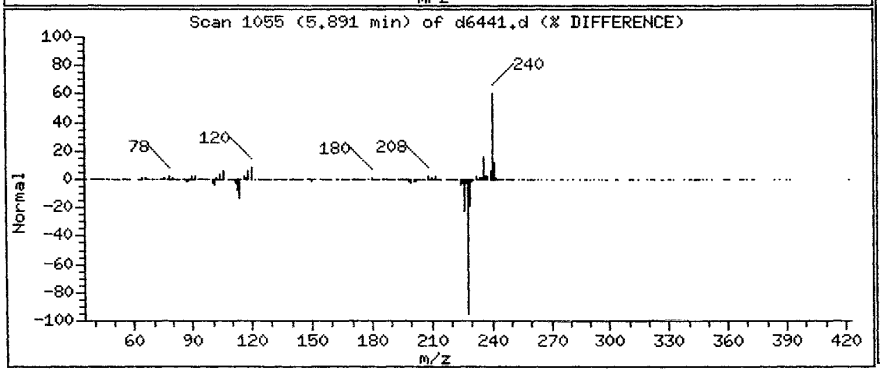
72 Benzo(a)anthracene

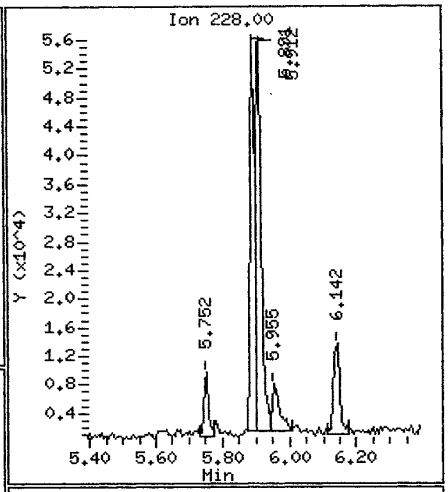
Concentration: 171 ug/Kg

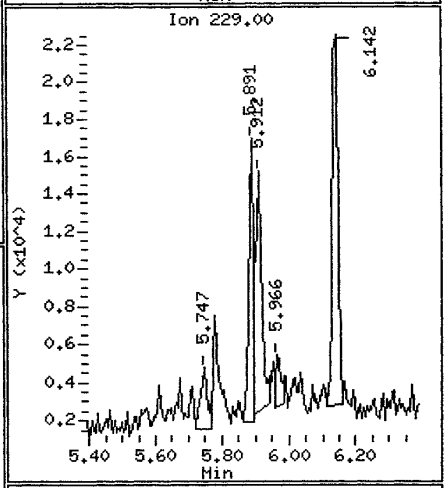


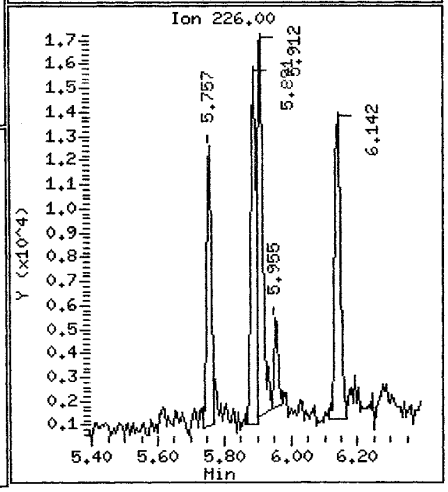












Data File: /var/chem/MSSV5.i/2080609.s.b/d6441.d

Date : 09-JUN-2008 15:03

Client ID: 20806052205

Instrument: MSSV5.i

Sample Info: 20806052205*4482*

Volume Injected (uL): 1.0

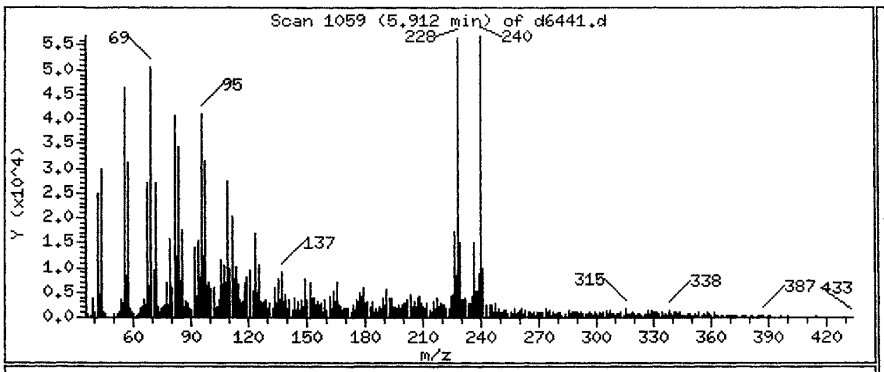
Operator: KCB

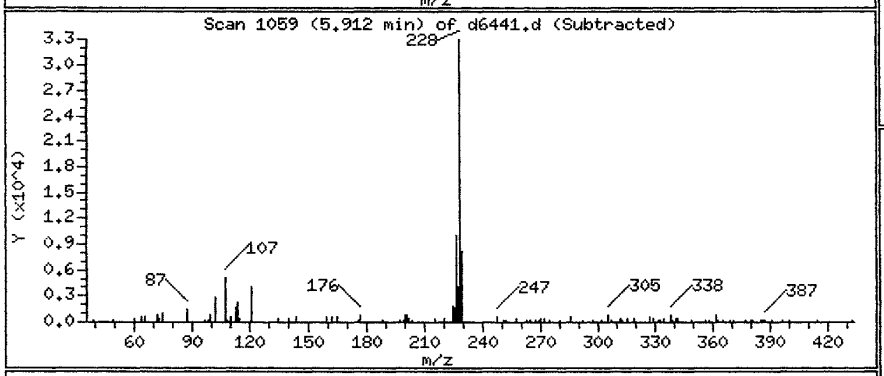
Column phase: RTX-5MS-30M

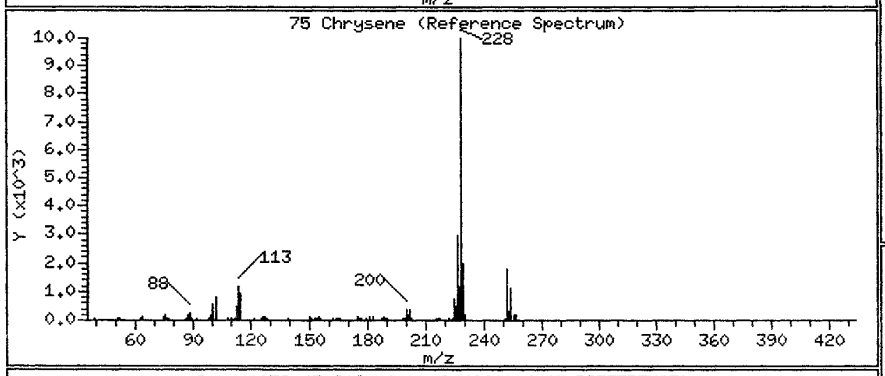
Column diameter: 0.25

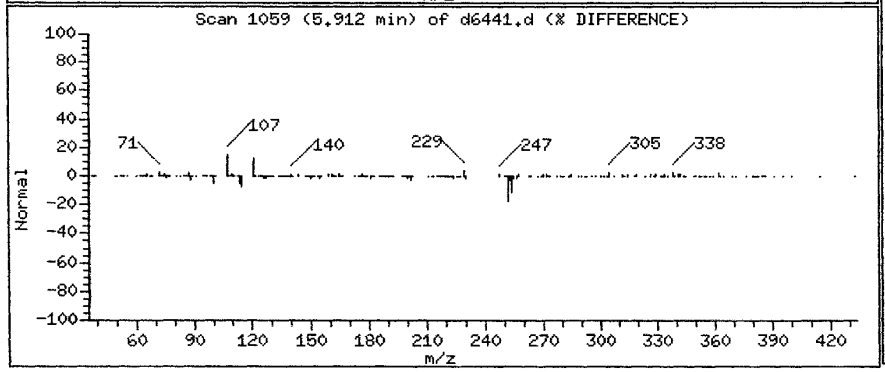
75 Chrysene

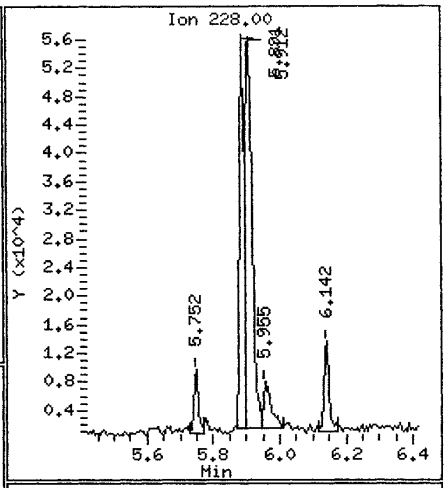
Concentration: 80.5 ug/Kg

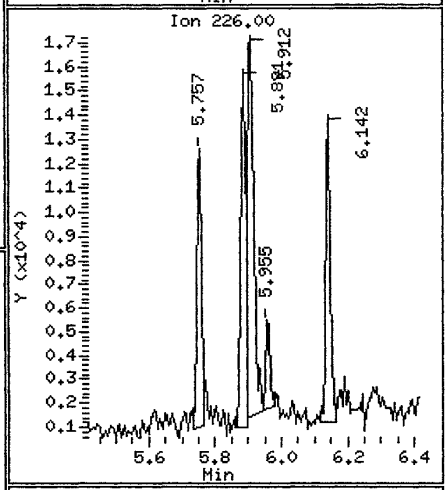


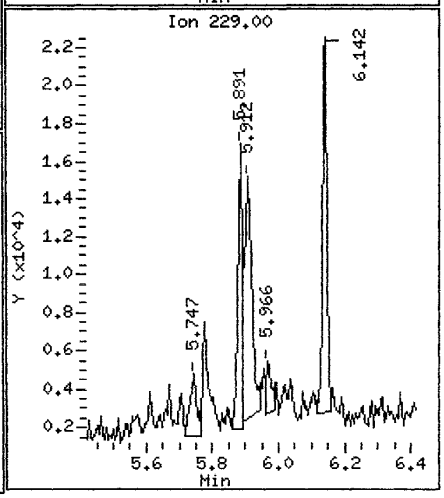












Data File: /var/chem/MSSV5.i/2080609.s.b/d6441.d

Date : 09-JUN-2008 15:03

Client ID: 20806052205

Instrument: MSSV5.i

Sample Info: 20806052205*4482*

Volume Injected (uL): 1.0

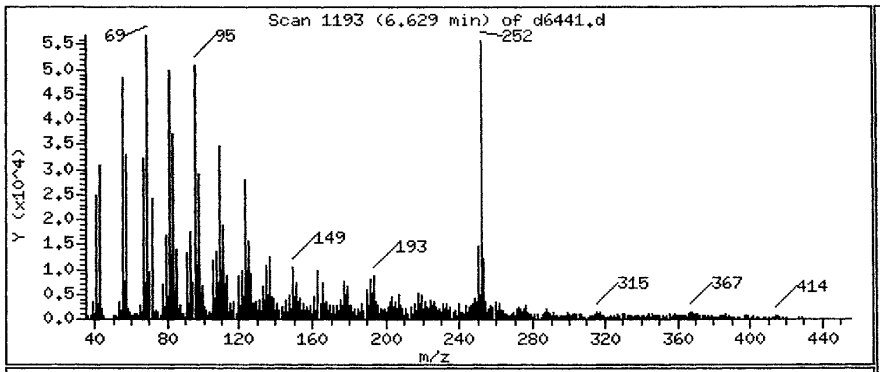
Operator: KCB

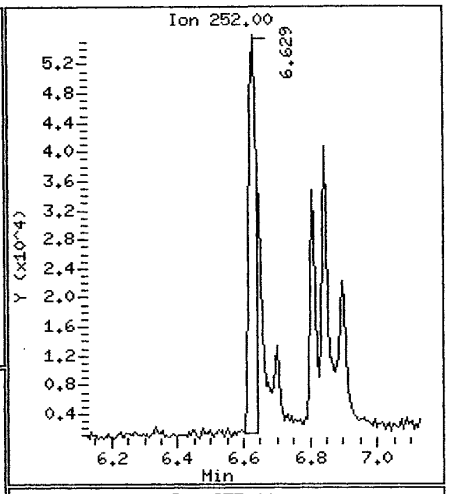
Column phase: RTX-5MS-30M

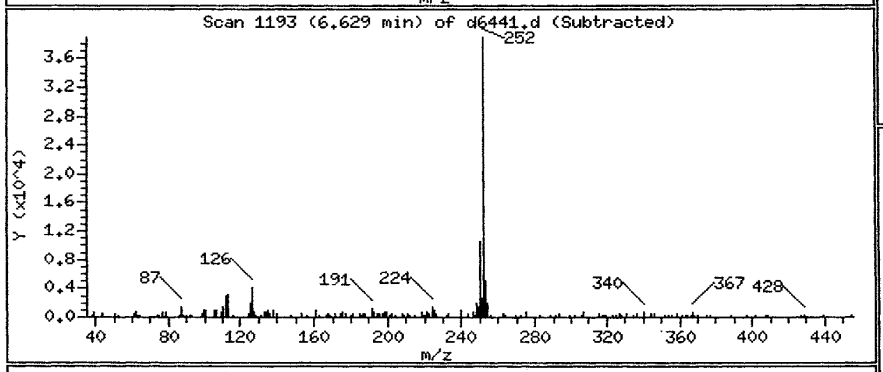
Column diameter: 0.25

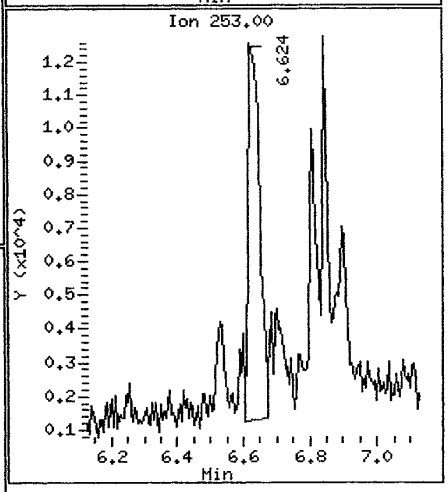
78 Benzo(b)fluoranthene

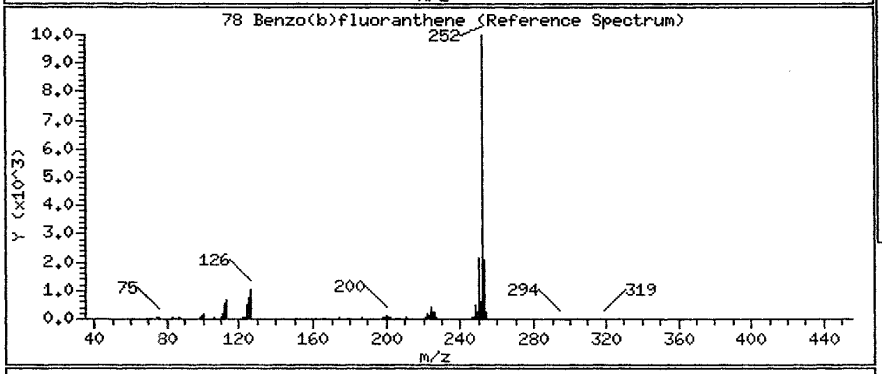
Concentration: 238 ug/Kg

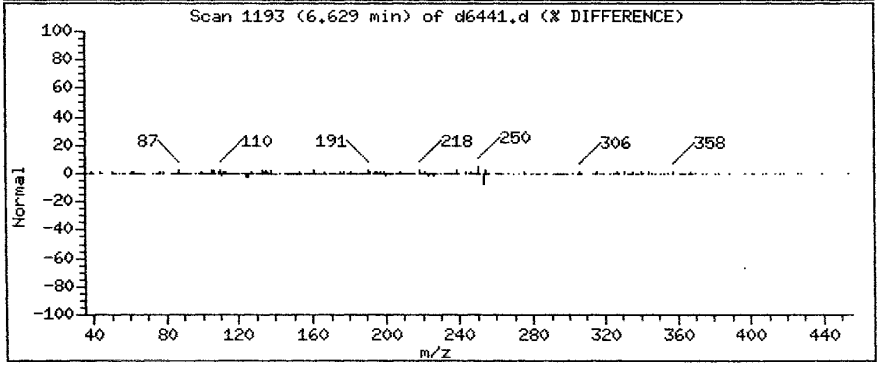












Data File: /var/chem/MSSV5.i/2080609.s.b/d6441.d

Date : 09-JUN-2008 15:03

Client ID: 20806052205

Instrument: MSSV5.i

Sample Info: 20806052205*4482*

Volume Injected (uL): 1.0

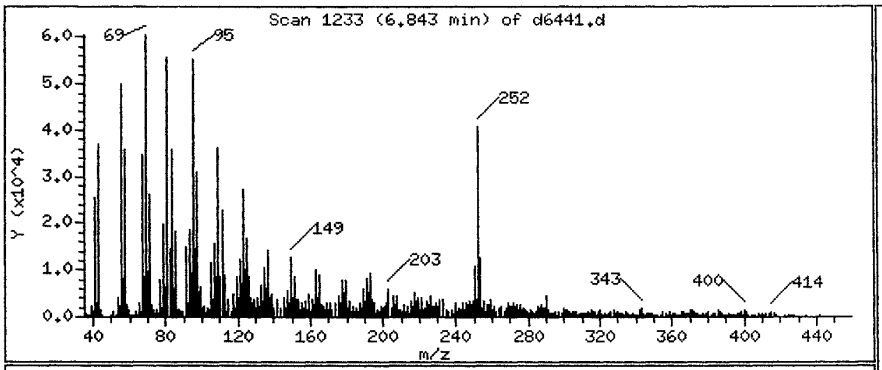
Operator: KCB

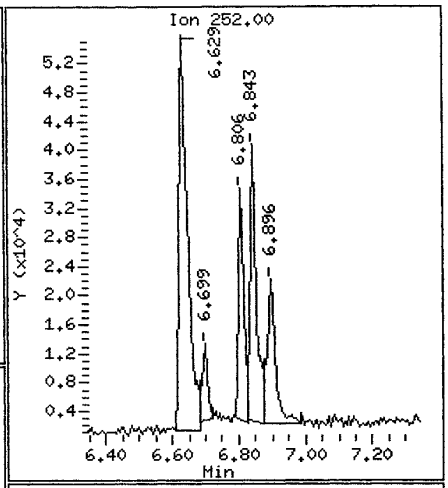
Column phase: RTX-5MS-30M

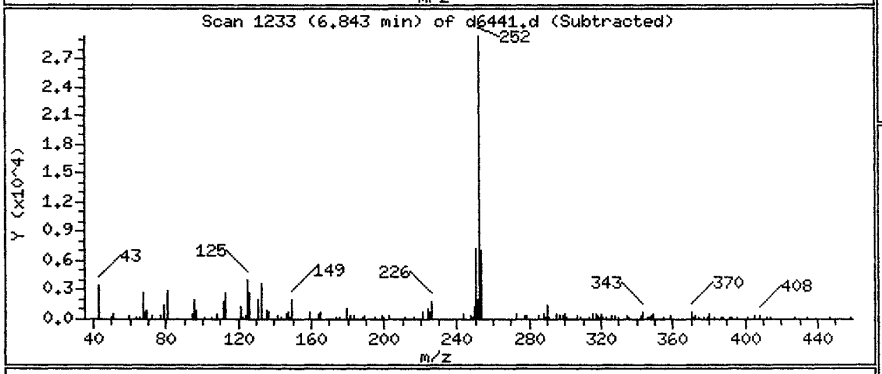
Column diameter: 0.25

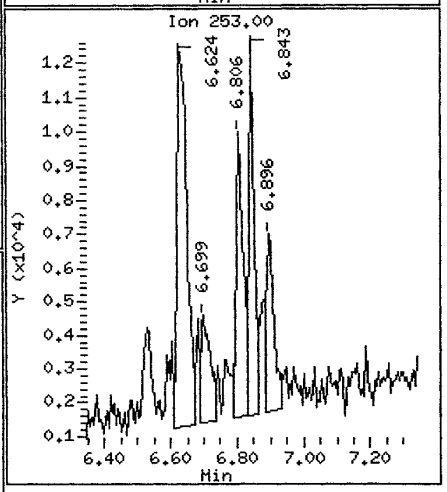
80 Benzo(a)pyrene +

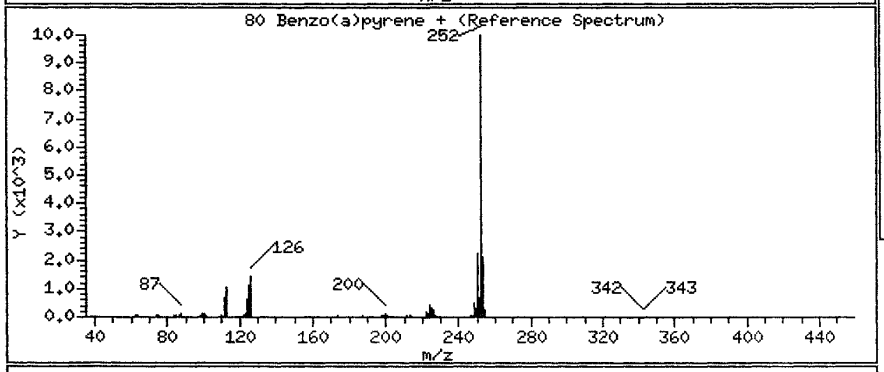
Concentration: 195 ug/Kg

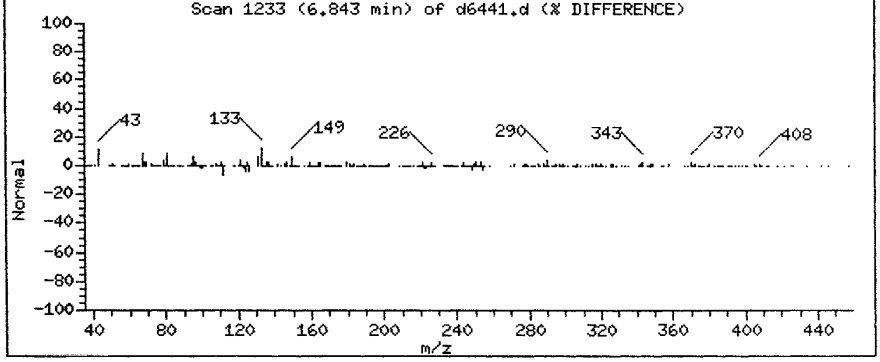












Data File: /var/chem/MSSV5.i/2080609.s.b/d6441.d

Date : 09-JUN-2008 15:03

Client ID: 20806052205

Instrument: MSSV5.i

Sample Info: 20806052205*4482*

Volume Injected (uL): 1.0

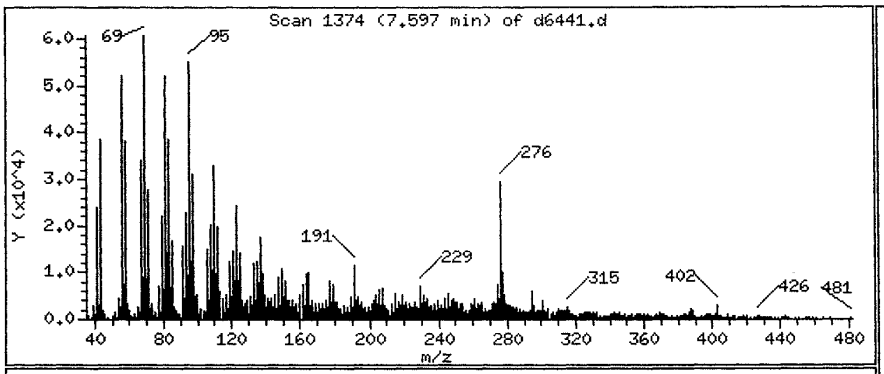
Operator: KCB

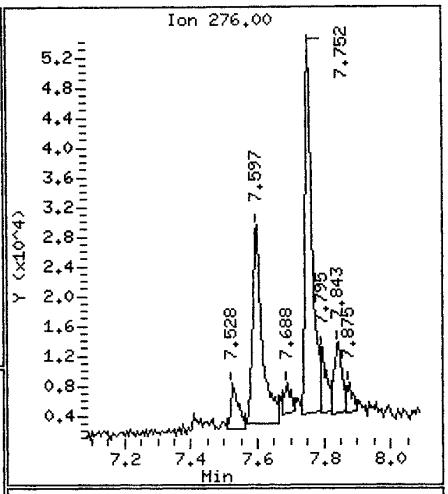
Column phase: RTX-5MS-30M

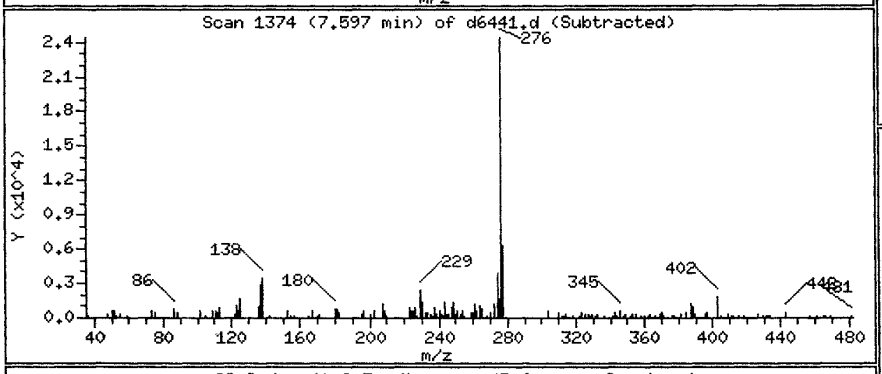
Column diameter: 0.25

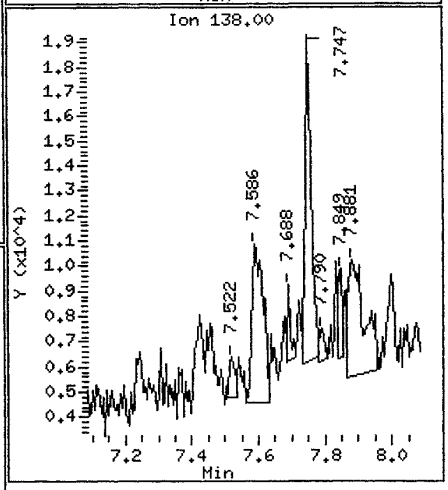
82 Indeno(1,2,3-cd)pyrene

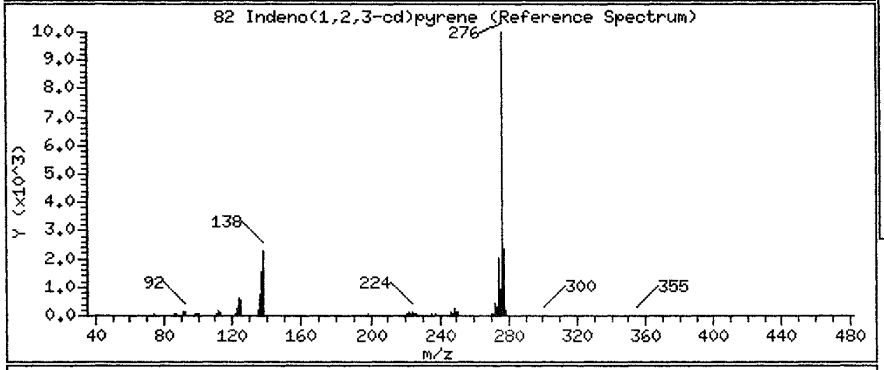
Concentration: 350 ug/Kg

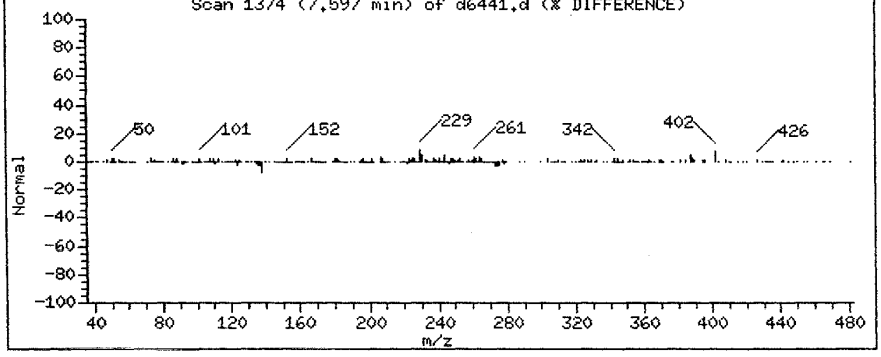












Data File: /var/chem/MSSV5.i/2080609.s.b/d6441.d

Date : 09-JUN-2008 15:03

Client ID: 20806052205

Instrument: MSSV5.i

Sample Info: 20806052205*4482*

Volume Injected (uL): 1.0

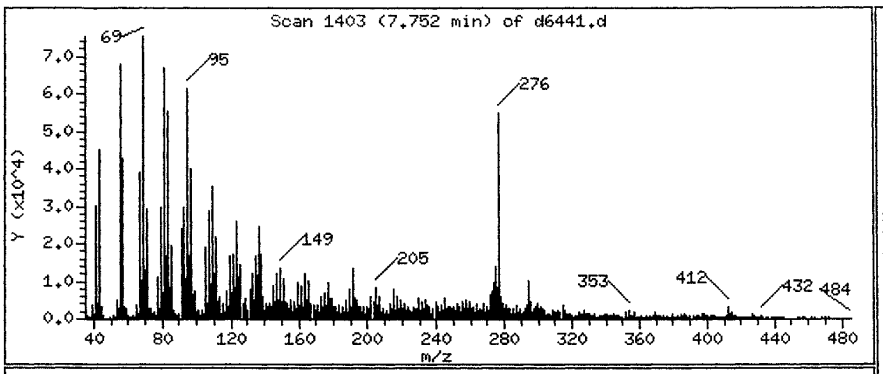
Operator: KCB

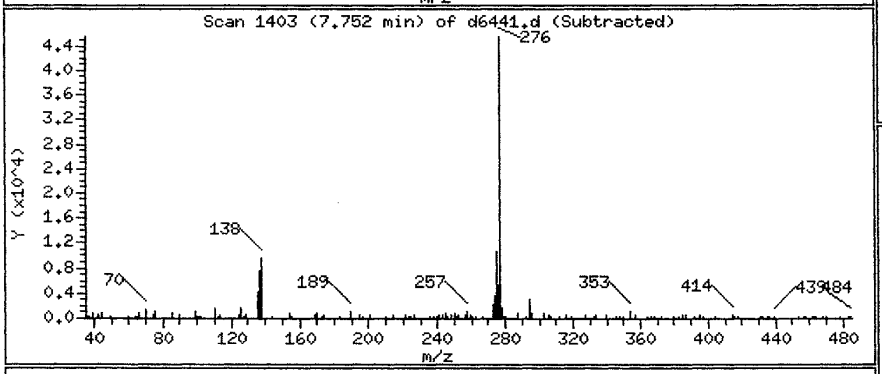
Column phase: RTX-5MS-30M

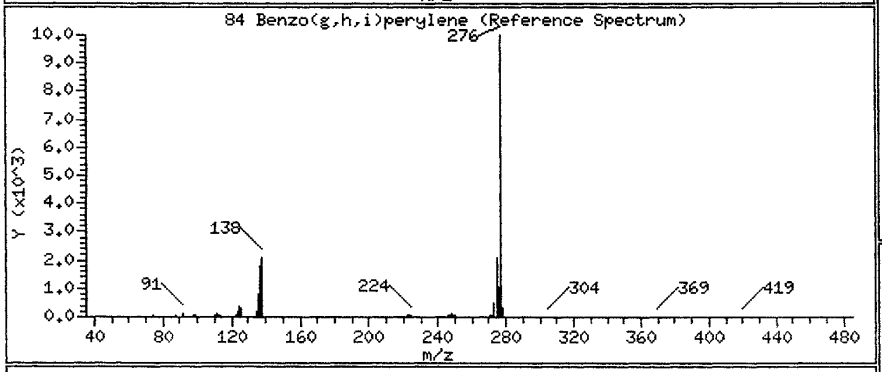
Column diameter: 0.25

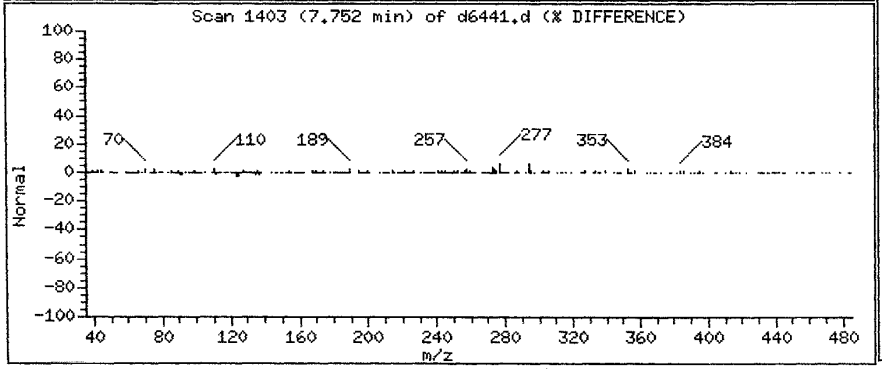
84 Benzo(g,h,i)perylene

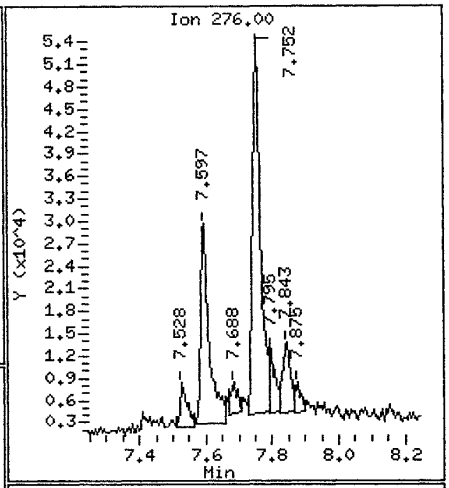
Concentration: 179 ug/Kg

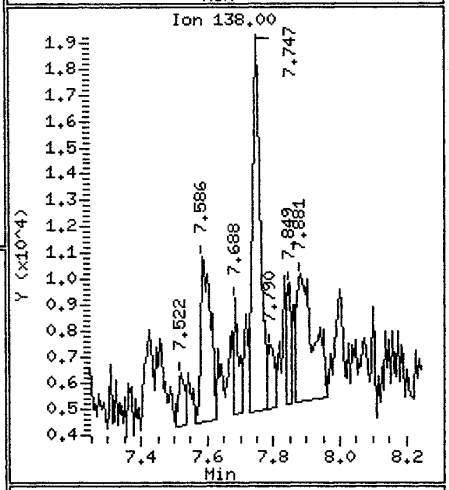


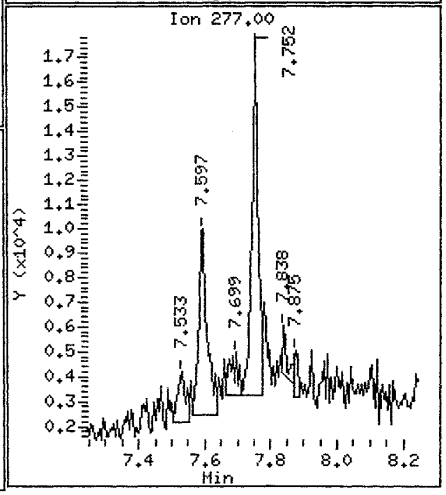












Data File: /var/chem/MSSV5.i/2080609.s.b/d6441.d

Date : 09-JUN-2008 15:03

Client ID: 20806052205

Instrument: MSSV5.i

Sample Info: 20806052205*4482*

Volume Injected (uL): 1.0

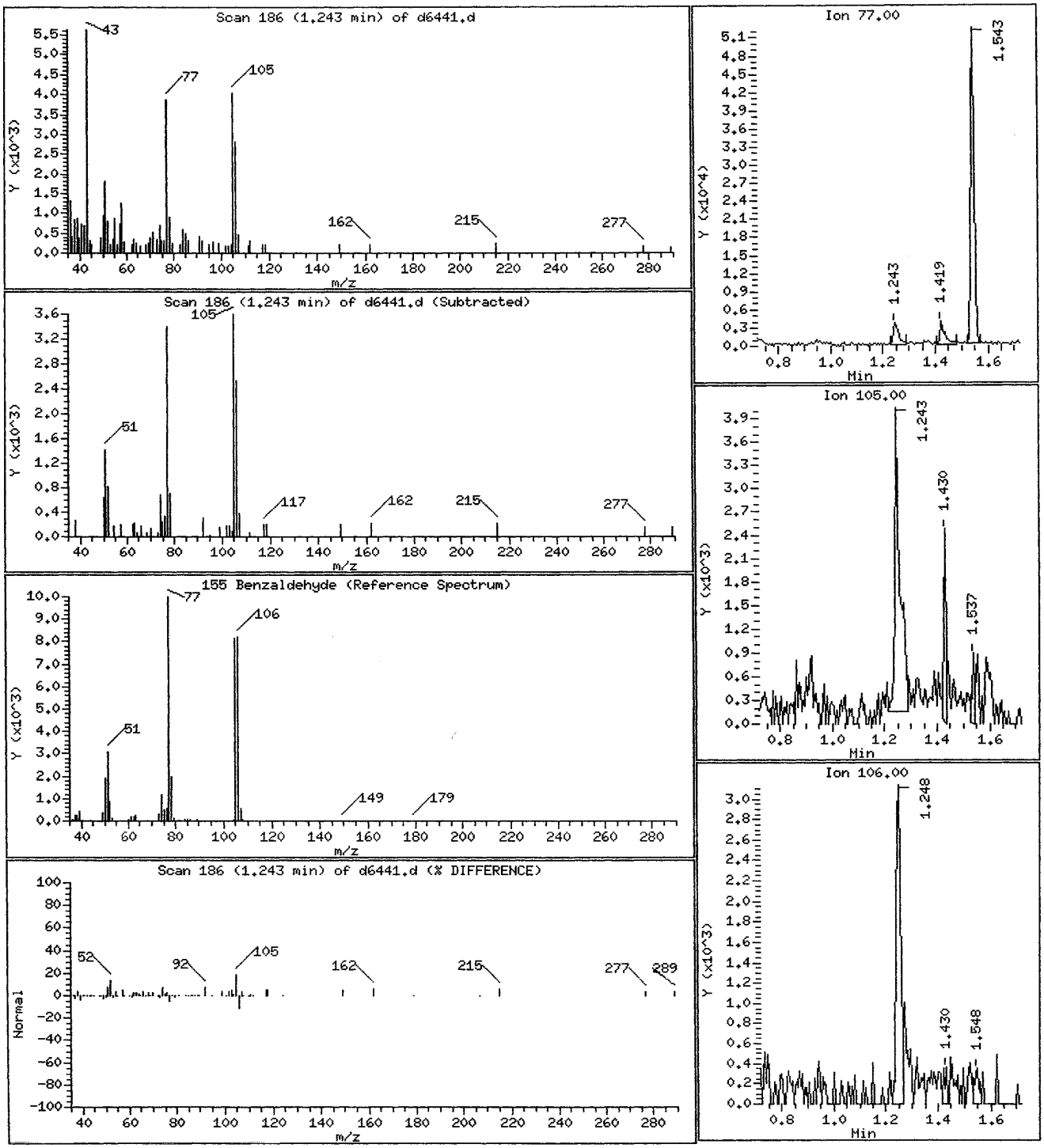
Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 0.25

155 Benzaldehyde

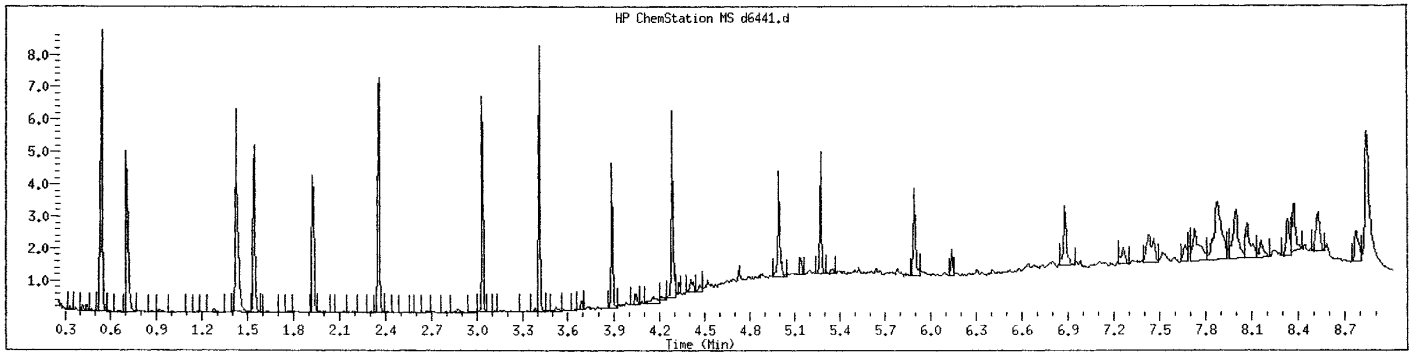
Concentration: 16.2 ug/Kg



Data file : /var/chem/MSSV5.i/2080609.s.b/d6441.d Page: 1
Report Date: 06/13/2008 11:29

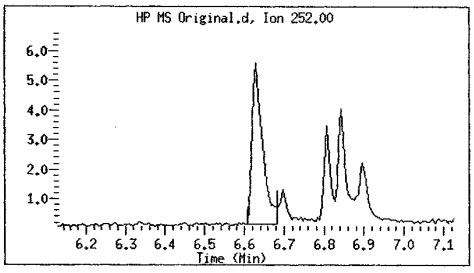
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052205 SampleType : SAMPLE
Injection Date: 06/09/2008 15:03 Instrument : MSSV5.i
Operator : KCB
Sample Info : 20806052205*4482*
Misc Info : 20806052206*MSSV~5025~*060522*30.0-1*375218*
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



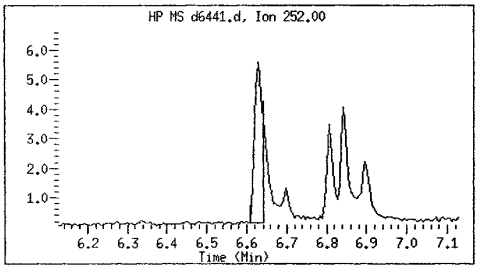
Original Final

78 Benzo(b)fluoranthene CAS#: 205-99-2 Reason: M2



Electronic Signature
Applied

User: root
Date: 06/09/2008 17:02



M2 - Target system integrated incorrectly

170618

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 33.3 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: 4WSED2 (0-0.5)
Contract:
Lab File ID: 2080609/d6444
Lab Sample ID: 20806052208
Date Collected: 06/04/08 Time: 1245
Date Received: 06/05/08
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1549
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.493	U	0.014	0.493
95-95-4	2,4,5-Trichlorophenol	0.493	U	0.00977	0.493
88-06-2	2,4,6-Trichlorophenol	0.493	U	0.011	0.493
120-83-2	2,4-Dichlorophenol	0.493	U	0.012	0.493
51-28-5	2,4-Dinitrophenol	2.47	U	0.024	2.47
121-14-2	2,4-Dinitrotoluene	0.493	U	0.031	0.493
606-20-2	2,6-Dinitrotoluene	0.493	U	0.00847	0.493
91-58-7	2-Chloronaphthalene	0.493	U	0.013	0.493
95-57-8	2-Chlorophenol	0.493	U	0.021	0.493
91-57-6	2-Methylnaphthalene	0.099	U	0.012	0.099
88-74-4	2-Nitroaniline	2.47	U	0.00873	2.47
88-75-5	2-Nitrophenol	0.493	U	0.014	0.493
91-94-1	3,3'-Dichlorobenzidine	0.986	U	0.034	0.986
99-09-2	3-Nitroaniline	2.47	U	0.046	2.47
534-52-1	2-Methyl-4,6-dinitrophenol	2.47	U	0.058	2.47
59-50-7	4-Chloro-3-methylphenol	0.493	U	0.012	0.493
106-47-8	4-Chloroaniline	0.493	U	0.00598	0.493
7005-72-3	4-Chlorophenyl-phenylether	0.493	U	0.00958	0.493
83-32-9	Acenaphthene	0.099	U	0.013	0.099
208-96-8	Acenaphthylene	0.099	U	0.00956	0.099
98-86-2	Acetophenone	0.493	U	0.012	0.493
62-53-3	Aniline	0.493	U	0.026	0.493
120-12-7	Anthracene	0.099	U	0.00881	0.099
1912-24-9	Atrazine (Aatrex)	0.986	U	0.024	0.986
100-52-7	Benzaldehyde	0.986	U	0.039	0.986
92-87-5	Benzidine	2.47	U	0.377	2.47
56-55-3	Benzo(a)anthracene	0.099	U	0.00626	0.099
50-32-8	Benzo(a)pyrene	0.099	U	0.011	0.099
205-99-2	Benzo(b)fluoranthene	0.493	U	0.015	0.493

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 33.3 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: 4WSED2 (0-0.5)
Contract:
Lab File ID: 2080609/d6444
Lab Sample ID: 20806052208
Date Collected: 06/04/08 Time: 1245
Date Received: 06/05/08
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1549
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.273	J	0.011	0.493
207-08-9	Benzo(k)fluoranthene	0.493	U	0.013	0.493
65-85-0	Benzoic acid	2.47	U	0.048	2.47
100-51-6	Benzyl alcohol	0.493	U	0.015	0.493
92-52-4	Biphenyl	0.493	U	0.00823	0.493
111-91-1	Bis(2-Chloroethoxy)methane	0.493	U	0.011	0.493
111-44-4	Bis(2-Chloroethyl)ether	0.493	U	0.043	0.493
108-60-1	bis(2-Chloroisopropyl)ether	0.493	U	0.049	0.493
117-81-7	bis(2-ethylhexyl)phthalate	0.099	U	0.057	0.099
101-55-3	4-Bromophenyl-phenylether	0.493	U	0.00901	0.493
85-68-7	Butylbenzylphthalate	0.493	U	0.011	0.493
105-60-2	Caprolactam	0.493	U	0.015	0.493
86-74-8	Carbazole	0.493	U	0.011	0.493
218-01-9	Chrysene	0.493	U	0.00934	0.493
84-74-2	Di-n-butylphthalate	0.493	U	0.00992	0.493
117-84-0	Di-n-octylphthalate	0.493	U	0.027	0.493
53-70-3	Dibenz(a,h)anthracene	0.099	U	0.00814	0.099
132-64-9	Dibenzofuran	0.493	U	0.00754	0.493
84-66-2	Diethylphthalate	0.493	U	0.00941	0.493
131-11-3	Dimethyl-phthalate	0.493	U	0.00760	0.493
105-67-9	2,4-Dimethylphenol	0.493	U	0.013	0.493
206-44-0	Fluoranthene	0.028	J	0.00801	0.493
86-73-7	Fluorene	0.099	U	0.00816	0.099
118-74-1	Hexachlorobenzene	0.493	U	0.016	0.493
77-47-4	Hexachlorocyclopentadiene	0.493	U	0.028	0.493
67-72-1	Hexachloroethane	0.493	U	0.043	0.493
193-39-5	Indeno(1,2,3-cd)pyrene	0.493	U	0.016	0.493
78-59-1	Isophorone	0.493	U	0.011	0.493
100-01-6	4-Nitroaniline	2.47	U	0.012	2.47

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 33.3 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: 4WSED2 (0-0.5)
Contract:
Lab File ID: 2080609/d6444
Lab Sample ID: 20806052208
Date Collected: 06/04/08 Time: 1245
Date Received: 06/05/08
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1549
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.493	U	0.060	0.493
100-02-7	4-Nitrophenol	2.47	U	0.050	2.47
87-86-5	Pentachlorophenol	2.47	U	0.026	2.47
85-01-8	Phenanthrene	0.099	U	0.00864	0.099
108-95-2	Phenol	0.493	U	0.015	0.493
129-00-0	Pyrene	0.081	J	0.010	0.493
110-86-1	Pyridine	0.493	U	0.024	0.493
1319-77-3M	m,p-Cresol	0.493	U	0.014	0.493
621-64-7	N-Nitroso-di-n-propylamine	0.099	U	0.015	0.099
62-75-9	N-Nitrosodimethylamine	0.493	U	0.145	0.493
86-30-6	N-Nitrosodiphenylamine	0.493	U	0.00843	0.493
95-48-7	o-Cresol	0.493	U	0.025	0.493

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080609.s.b/d6444.d
Lab Smp Id: 20806052208 Client Smp ID: 20806052208
Inj Date : 09-JUN-2008 15:49
Operator : KCB Inst ID: MSSV5.i
Smp Info : 20806052208*4482*
Misc Info : 20806052208*MSSV~5025~*060522*30.1-1*375218*
Comment :
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Meth Date : 11-Jun-2008 15:46 rjo Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.d
Als bottle: 39
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	Weigth 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	0.708	0.697	(0.459)	1011706	85.0900	2830
$ 4 Phenol-d5	99	1.425	1.425	(0.924)	1947124	71.4680	2370
* 10 1,4-Dichlorobenzene-d4	152	1.542	1.537	(1.000)	532044	40.0000	
$ 19 Nitrobenzene-d5	82	1.927	1.927	(0.818)	830485	34.8101	1160
* 28 Naphthalene-d8	136	2.355	2.355	(1.000)	1833767	40.0000	
$ 37 2-Fluorobiphenyl	172	3.035	3.035	(0.890)	950111	36.6559	1220
* 44 Acenaphthene-d10	164	3.409	3.414	(1.000)	830952	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.896	3.896	(1.143)	238186	76.4736	2540
* 61 Phenanthrene-d10	188	4.292	4.292	(1.000)	1085848	40.0000	
67 Fluoranthene +	202	5.014	5.014	(1.168)	15501	0.56215	18.7(H)
69 Pyrene	202	5.142	5.142	(0.872)	51532	1.63547	54.3

170622

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
$ 70 Terphenyl-d14	244	5.281	5.276	(0.896)	777917	38.1034	1270
* 74 Chrysene-d12	240	5.896	5.902	(1.000)	910452	40.0000	
* 81 Perylene-d12	264	6.891	6.880	(1.000)	1071939	40.0000	
84 Benzo(g,h,i)perylene	276	7.763	7.747	(1.127)	110265	5.48433	182

QC Flag Legend

H - Operator selected an alternate compound hit.

170623

Data File: /var/chem/MSSV5.i/2080609.s.b/d6444.d

Date : 09-JUN-2008 15:49

Client ID: 20806052208

Instrument: MSSV5.i

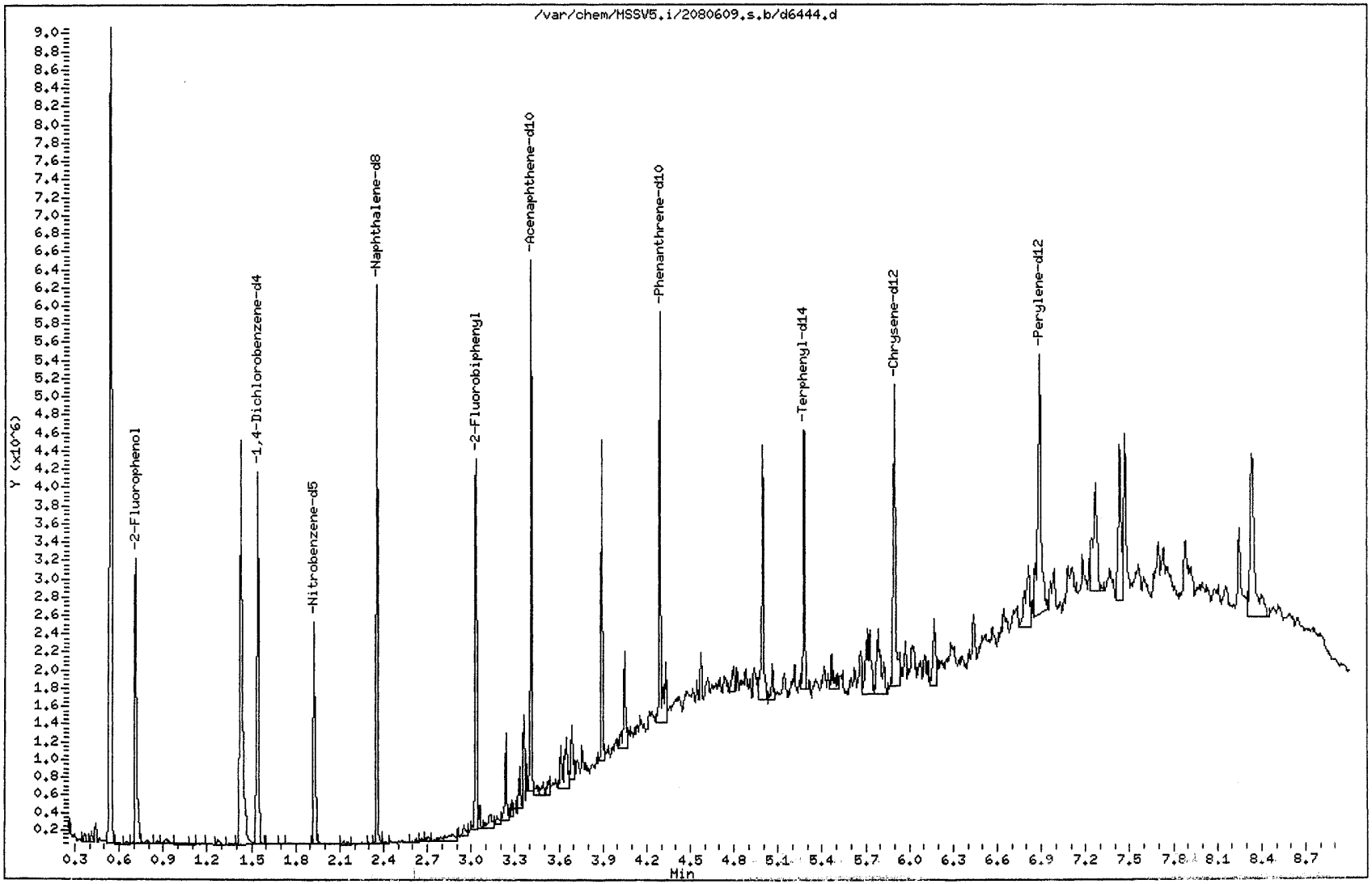
Sample Info: 20806052208*4482*

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 0.25



Data File: /var/chem/MSSV5.i/2080609.s.b/d6444.d

Date : 09-JUN-2008 15:49

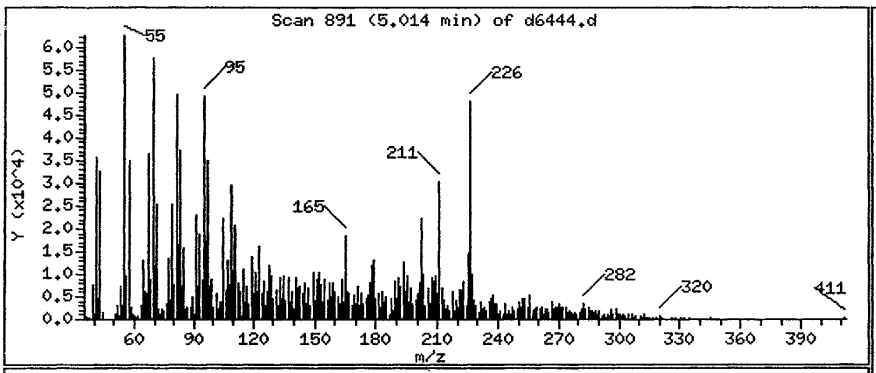
Client ID: 20806052208 Instrument: MSSV5.i

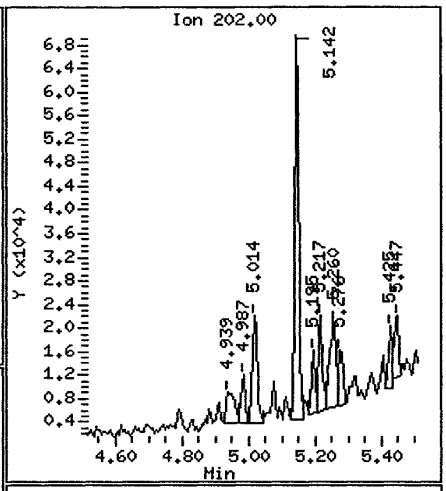
Sample Info: 20806052208*4482*

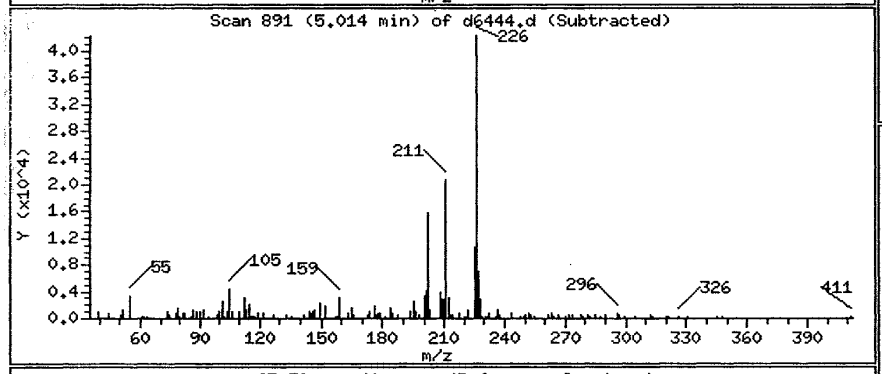
Volume Injected (uL): 1.0 Operator: KCB

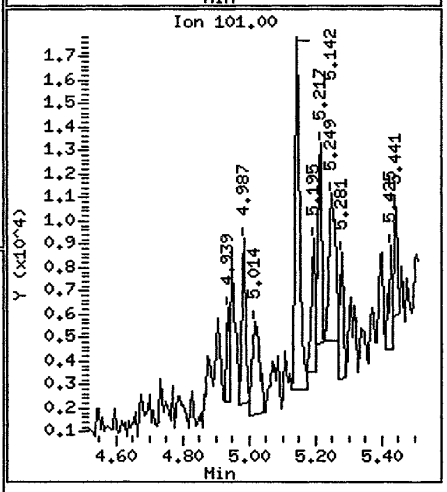
Column phase: RTX-5MS-30M Column diameter: 0.25

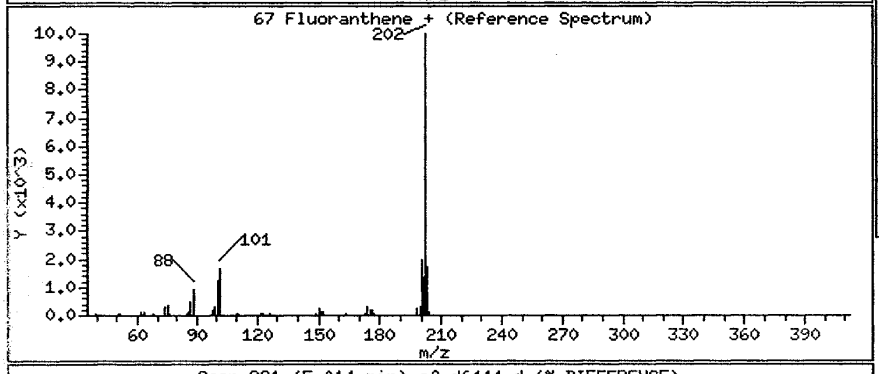
67 Fluoranthene + Concentration: 18.7 ug/Kg

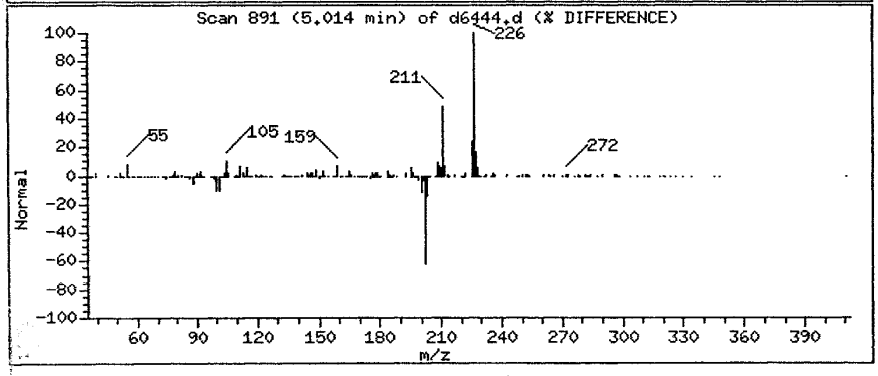












Data File: /var/chem/MSSV5.i/2080609.s.b/d6444.d

Date : 09-JUN-2008 15:49

Client ID: 20806052208

Instrument: MSSV5.i

Sample Info: 20806052208*4482*

Volume Injected (uL): 1.0

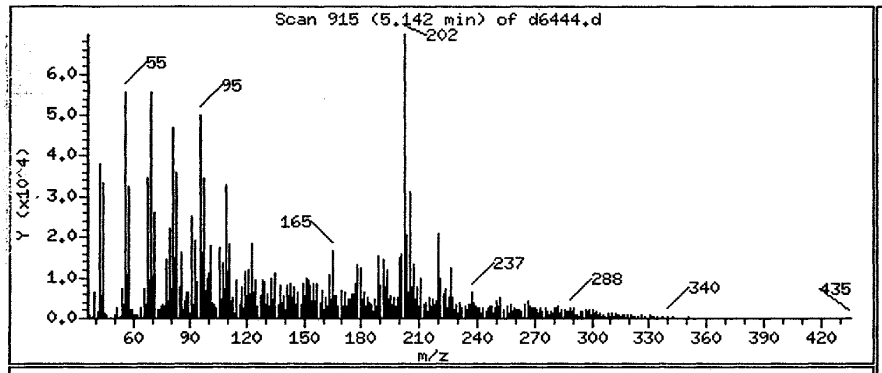
Operator: KCB

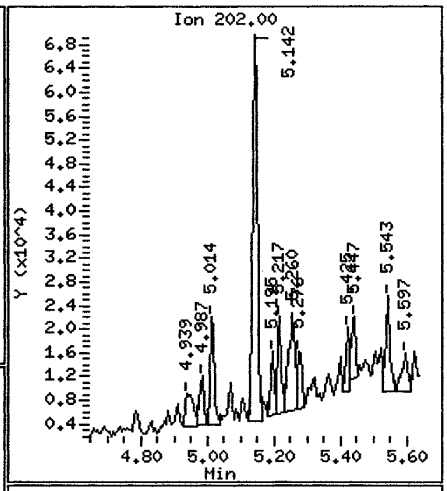
Column phase: RTX-5MS-30M

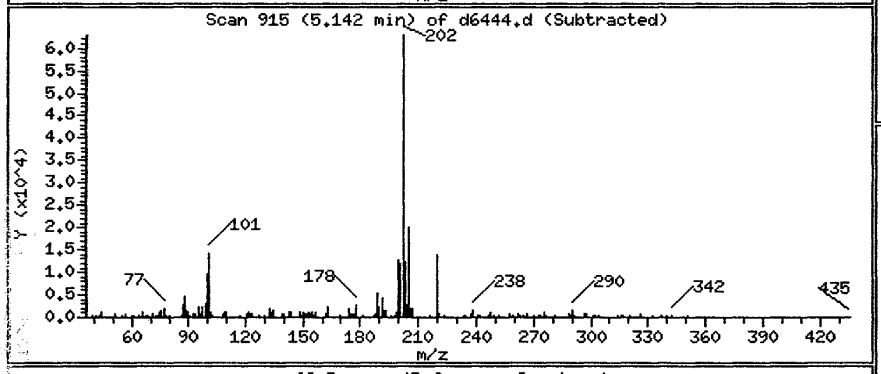
Column diameter: 0.25

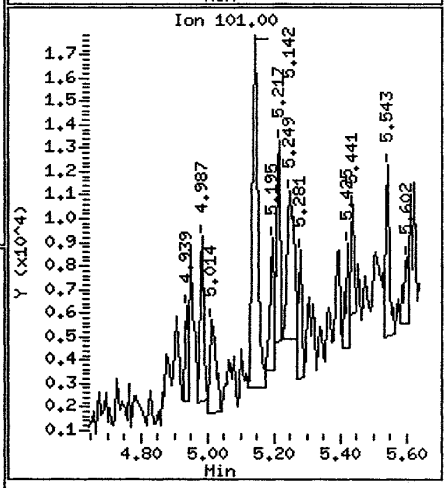
69 Pyrene

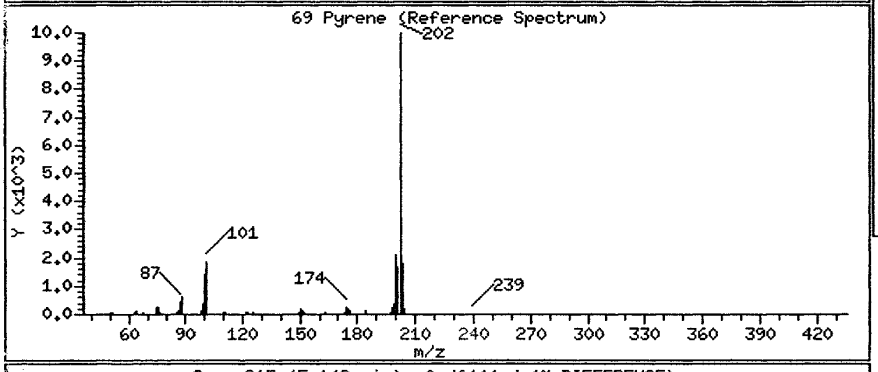
Concentration: 54.3 ug/Kg

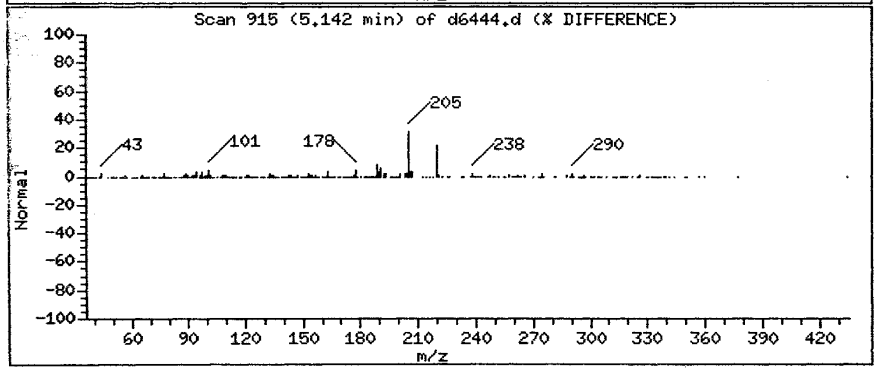












Data File: /var/chem/MSSV5.i/2080609.s.b/d6444.d

Date : 09-JUN-2008 15:49

Client ID: 20806052208

Instrument: MSSV5.i

Sample Info: 20806052208*4482*

Volume Injected (uL): 1.0

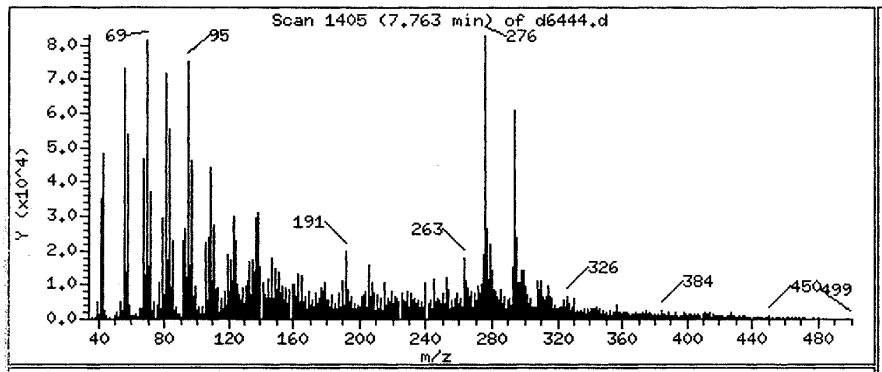
Operator: KCB

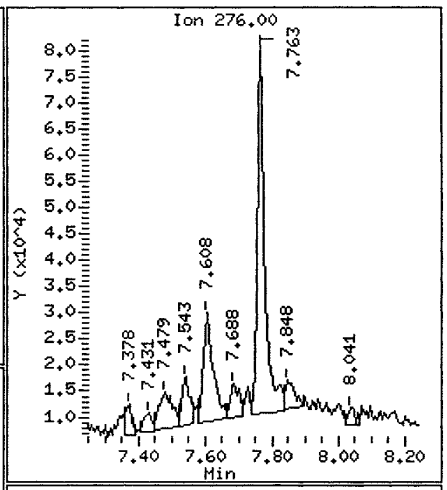
Column phase: RTX-5MS-30M

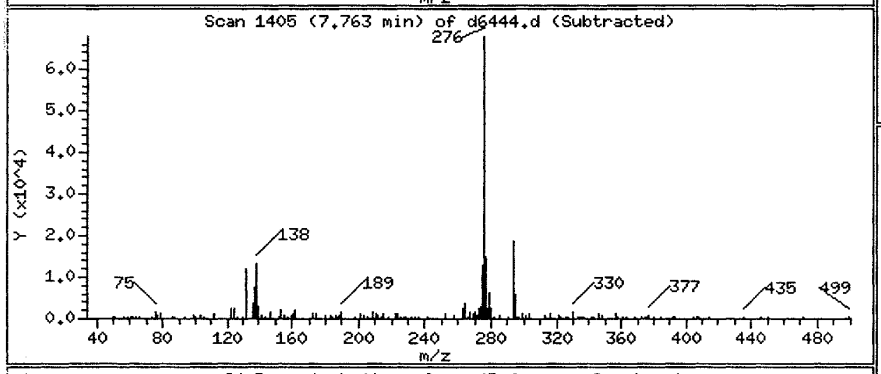
Column diameter: 0.25

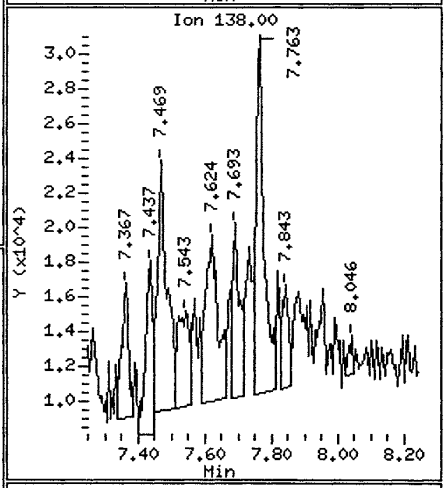
84 Benzo(g,h,i)perylene

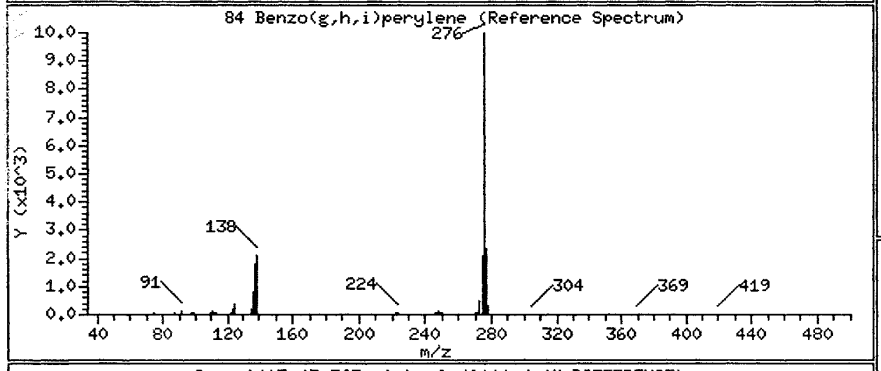
Concentration: 182 ug/Kg

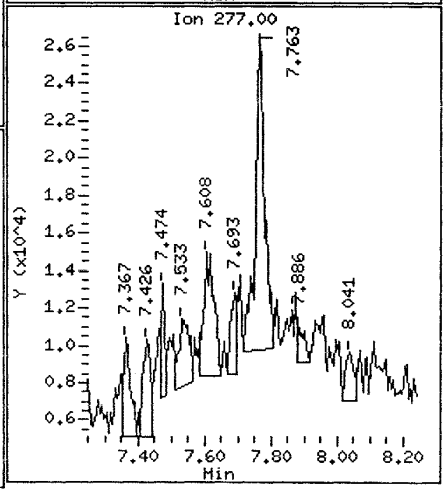


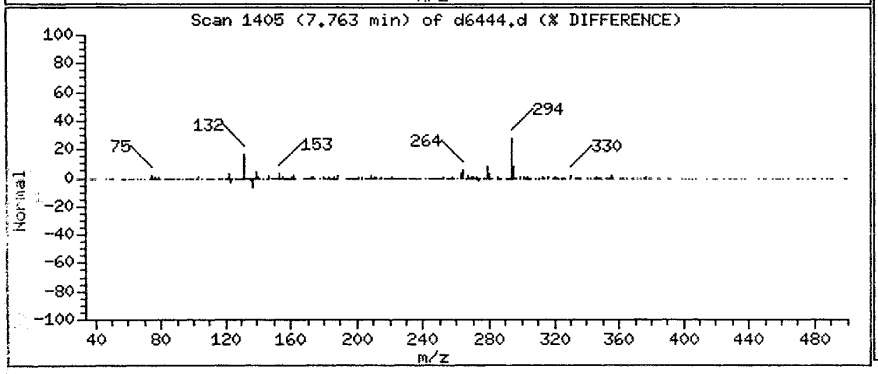






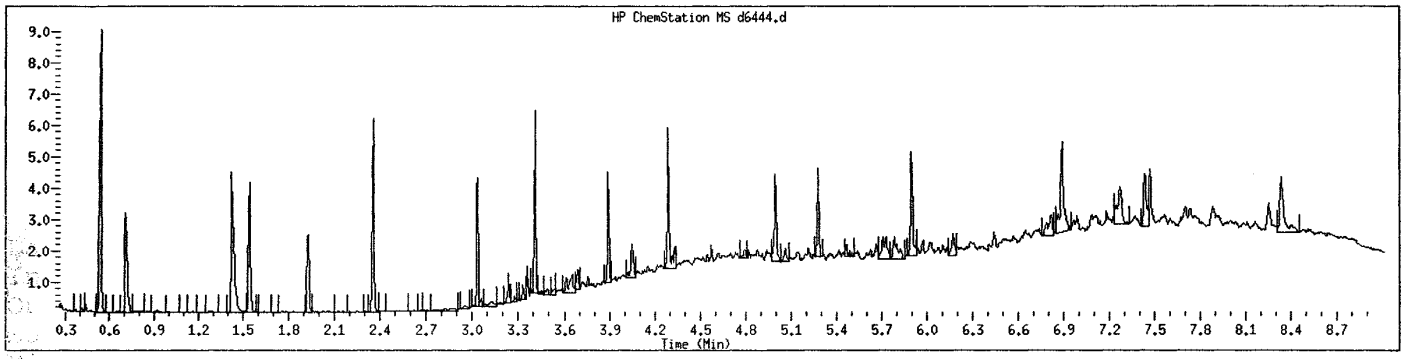






MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052208 SampleType : SAMPLE
Injection Date: 06/09/2008 15:49 Instrument : MSSV5.i
Operator : KCB
Sample Info : 20806052208*4482*
Misc Info : 20806052208*MSSV~5025~*060522*30.1-1*375218*
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

170628

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30.3 Units: g
Level: (low/med) LOW
% Moisture: 32.7 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: SE600
Contract:
Lab File ID: 2080607/d6399
Lab Sample ID: 20806052209
Date Collected: 06/04/08 Time: 0000
Date Received: 06/05/08
Date Extracted: 06/06/08
Date Analyzed: 06/07/08 Time: 1749
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375004 Analytical Batch: 375151

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.486	U	0.014	0.486
95-95-4	2,4,5-Trichlorophenol	0.486	U	0.00963	0.486
88-06-2	2,4,6-Trichlorophenol	0.486	U	0.011	0.486
120-83-2	2,4-Dichlorophenol	0.486	U	0.011	0.486
51-28-5	2,4-Dinitrophenol	2.43	U	0.024	2.43
121-14-2	2,4-Dinitrotoluene	0.486	U	0.031	0.486
606-20-2	2,6-Dinitrotoluene	0.486	U	0.00835	0.486
91-58-7	2-Chloronaphthalene	0.486	U	0.013	0.486
95-57-8	2-Chlorophenol	0.486	U	0.020	0.486
91-57-6	2-Methylnaphthalene	0.097	U	0.012	0.097
88-74-4	2-Nitroaniline	2.43	U	0.00860	2.43
88-75-5	2-Nitrophenol	0.486	U	0.014	0.486
91-94-1	3,3'-Dichlorobenzidine	0.972	U	0.033	0.972
99-09-2	3-Nitroaniline	2.43	U	0.045	2.43
534-52-1	2-Methyl-4,6-dinitrophenol	2.43	U	0.058	2.43
59-50-7	4-Chloro-3-methylphenol	0.486	U	0.012	0.486
106-47-8	4-Chloroaniline	0.486	U	0.00589	0.486
7005-72-3	4-Chlorophenyl-phenylether	0.486	U	0.00944	0.486
83-32-9	Acenaphthene	0.097	U	0.013	0.097
208-96-8	Acenaphthylene	0.097	U	0.00942	0.097
98-86-2	Acetophenone	0.486	U	0.012	0.486
62-53-3	Aniline	0.486	U	0.026	0.486
120-12-7	Anthracene	0.097	U	0.00869	0.097
1912-24-9	Atrazine (Aatrex)	0.972	U	0.023	0.972
100-52-7	Benzaldehyde	0.972	U	0.039	0.972
92-87-5	Benzidine	2.43	U	0.371	2.43
56-55-3	Benzo(a)anthracene	0.097	U	0.00617	0.097
50-32-8	Benzo(a)pyrene	0.097	U	0.011	0.097
205-99-2	Benzo(b)fluoranthene	0.486	U	0.014	0.486

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30.3 Units: g
Level: (low/med) LOW
% Moisture: 32.7 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: SE600
Contract:
Lab File ID: 2080607/d6399
Lab Sample ID: 20806052209
Date Collected: 06/04/08 Time: 0000
Date Received: 06/05/08
Date Extracted: 06/06/08
Date Analyzed: 06/07/08 Time: 1749
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375004 Analytical Batch: 375151

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.239	J	0.011	0.486
207-08-9	Benzo(k)fluoranthene	0.486	U	0.013	0.486
65-85-0	Benzoic acid	2.43	U	0.048	2.43
100-51-6	Benzyl alcohol	0.486	U	0.015	0.486
92-52-4	Biphenyl	0.486	U	0.00811	0.486
111-91-1	Bis(2-Chloroethoxy)methane	0.486	U	0.011	0.486
111-44-4	Bis(2-Chloroethyl)ether	0.486	U	0.043	0.486
108-60-1	bis(2-Chloroisopropyl)ether	0.486	U	0.048	0.486
117-81-7	bis(2-ethylhexyl)phthalate	0.073	J	0.057	0.097
101-55-3	4-Bromophenyl-phenylether	0.486	U	0.00888	0.486
85-68-7	Butylbenzylphthalate	0.486	U	0.011	0.486
105-60-2	Caprolactam	0.486	U	0.014	0.486
86-74-8	Carbazole	0.486	U	0.011	0.486
218-01-9	Chrysene	0.486	U	0.00920	0.486
84-74-2	Di-n-butylphthalate	0.486	U	0.00978	0.486
117-84-0	Di-n-octylphthalate	0.486	U	0.027	0.486
53-70-3	Dibenz(a,h)anthracene	0.097	U	0.00802	0.097
132-64-9	Dibenzofuran	0.486	U	0.00743	0.486
84-66-2	Diethylphthalate	0.486	U	0.00927	0.486
131-11-3	Dimethyl-phthalate	0.486	U	0.00749	0.486
105-67-9	2,4-Dimethylphenol	0.486	U	0.013	0.486
206-44-0	Fluoranthene	0.486	U	0.00789	0.486
86-73-7	Fluorene	0.097	U	0.00804	0.097
118-74-1	Hexachlorobenzene	0.486	U	0.016	0.486
77-47-4	Hexachlorocyclopentadiene	0.486	U	0.027	0.486
67-72-1	Hexachloroethane	0.486	U	0.042	0.486
193-39-5	Indeno(1,2,3-cd)pyrene	0.451	J	0.015	0.486
78-59-1	Isophorone	0.486	U	0.011	0.486
100-01-6	4-Nitroaniline	2.43	U	0.012	2.43

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30.3 Units: g
Level: (low/med) LOW
% Moisture: 32.7 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: SE600
Contract:
Lab File ID: 2080607/d6399
Lab Sample ID: 20806052209
Date Collected: 06/04/08 Time: 0000
Date Received: 06/05/08
Date Extracted: 06/06/08
Date Analyzed: 06/07/08 Time: 1749
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375004 Analytical Batch: 375151

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.486	U	0.059	0.486
100-02-7	4-Nitrophenol	2.43	U	0.050	2.43
87-86-5	Pentachlorophenol	2.43	U	0.025	2.43
85-01-8	Phenanthrene	0.097	U	0.00851	0.097
108-95-2	Phenol	0.486	U	0.015	0.486
129-00-0	Pyrene	0.486	U	0.00995	0.486
110-86-1	Pyridine	0.486	U	0.024	0.486
1319-77-3M	m,p-Cresol	0.486	U	0.014	0.486
621-64-7	N-Nitroso-di-n-propylamine	0.097	U	0.014	0.097
62-75-9	N-Nitrosodimethylamine	0.486	U	0.143	0.486
86-30-6	N-Nitrosodiphenylamine	0.486	U	0.00830	0.486
95-48-7	o-Cresol	0.486	U	0.025	0.486

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080607.s.b/d6399.d
Lab Smp Id: 20806052209 Client Smp ID: 20806052209
Inj Date : 07-JUN-2008 17:49
Operator : KCB Inst ID: MSSV5.i
Smp Info : 20806052209*4482*
Misc Info : 20806052209*MSSV~5022~*060522*30.3-1*375004*
Comment :
Method : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Meth Date : 07-Jun-2008 10:48 root Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.d
Als bottle: 34
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	Weigth 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	0.714	0.703	(0.459)	1781501	99.2365	3280
$	4 Phenol-d5	99	1.436	1.436	(0.924)	3443962	83.7216	2760
*	10 1,4-Dichlorobenzene-d4	152	1.553	1.553	(1.000)	803316	40.0000	
$	19 Nitrobenzene-d5	82	1.938	1.944	(0.819)	1649664	46.6174	1540
*	28 Naphthalene-d8	136	2.366	2.372	(1.000)	2719972	40.0000	
$	37 2-Fluorobiphenyl	172	3.046	3.045	(0.891)	1796088	56.1856	1850
*	44 Acenaphthene-d10	164	3.420	3.425	(1.000)	1024821	40.0000	
$	57 2,4,6-Tribromophenol	332	3.901	3.907	(1.141)	245837	63.9986	2110
*	61 Phenanthrene-d10	188	4.302	4.302	(1.000)	1009145	40.0000	
$	70 Terphenyl-d14	244	5.287	5.287	(0.896)	795016	36.5033	1200
*	74 Chrysene-d12	240	5.902	5.902	(1.000)	971250	40.0000	

170632

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
76 bis(2-Ethylhexyl)phthalate	149	6.019	6.014	(1.020)	24648	1.49072	49.2
* 81 Perylene-d12	264	6.897	6.886	(1.000)	1148322	40.0000	
82 Indeno(1,2,3-cd)pyrene	276	7.608	7.586	(1.289)	33632	9.18941	303
84 Benzo(g,h,i)perylene	276	7.768	7.747	(1.126)	94259	4.87126	161(H)

QC Flag Legend

H - Operator selected an alternate compound hit.

170633

Data File: /var/chem/MSSV5.i/2080607.s.b/d6399.d

Date : 07-JUN-2008 17:49

Client ID: 20806052209

Instrument: MSSV5.i

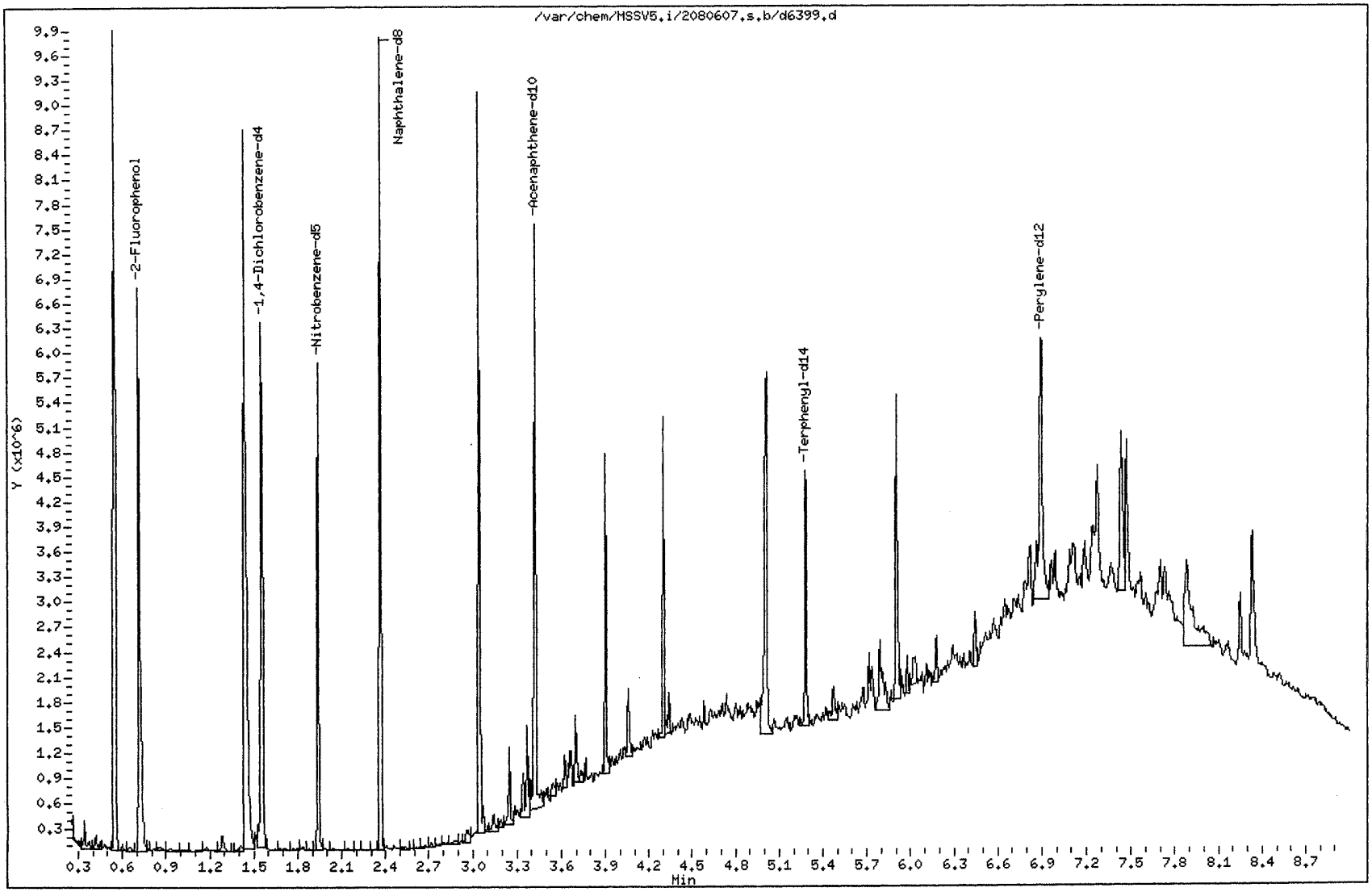
Sample Info: 20806052209*4482*

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 0.25



Data File: /var/chem/MSSV5.i/2080607.s.b/d6399.d

Date : 07-JUN-2008 17:49

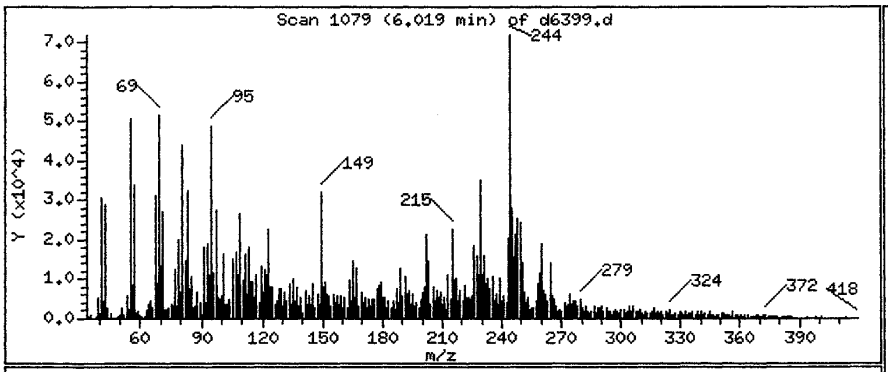
Client ID: 20806052209 Instrument: MSSV5.i

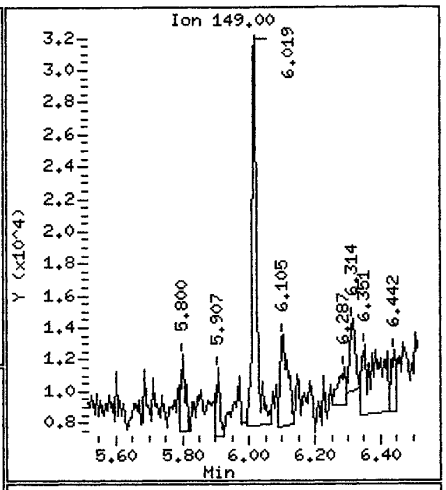
Sample Info: 20806052209*4482*

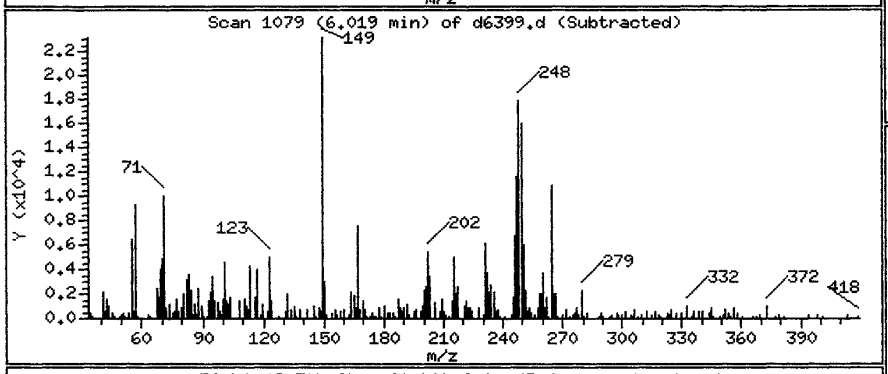
Volume Injected (uL): 1.0 Operator: KCB

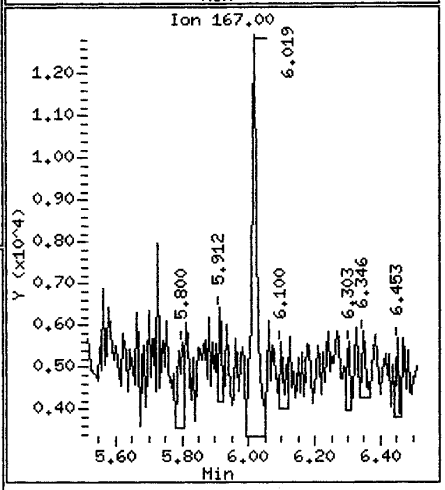
Column phase: RTX-5MS-30M Column diameter: 0.25

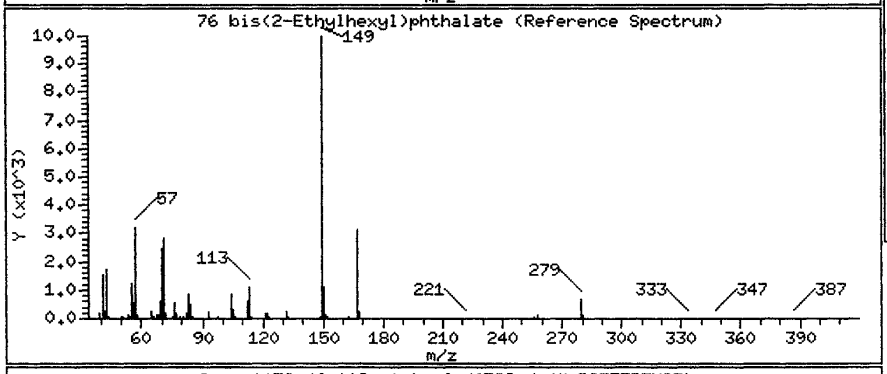
76 bis(2-Ethylhexyl)phthalate Concentration: 49.2 ug/Kg

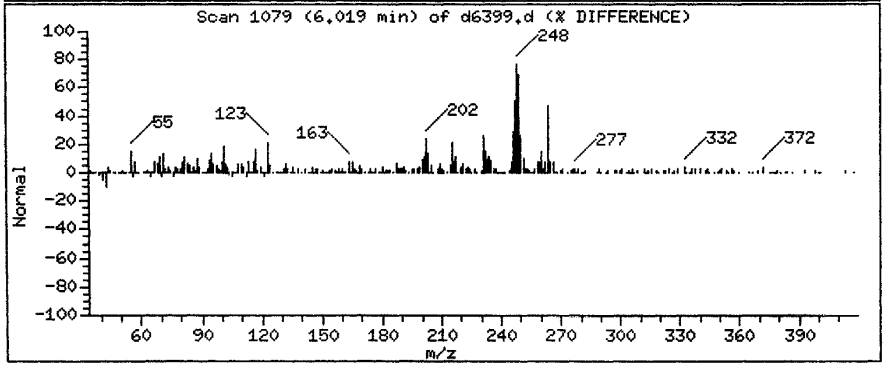












Data File: /var/chem/MSSV5.i/2080607.s.b/d6399.d

Date : 07-JUN-2008 17:49

Client ID: 20806052209

Instrument: MSSV5.i

Sample Info: 20806052209*4482*

Volume Injected (uL): 1.0

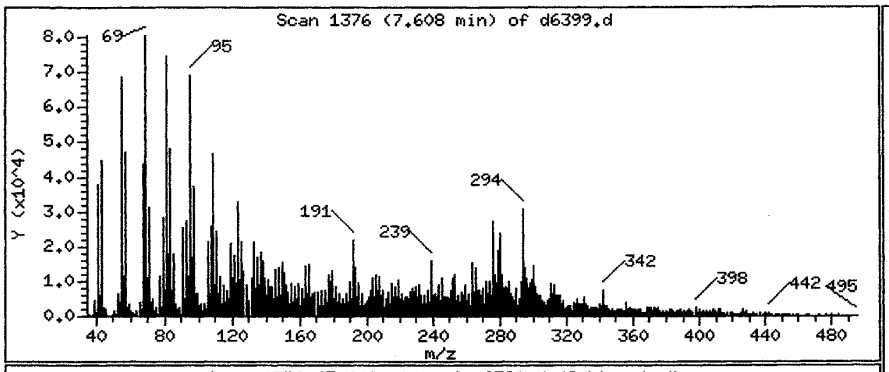
Operator: KCB

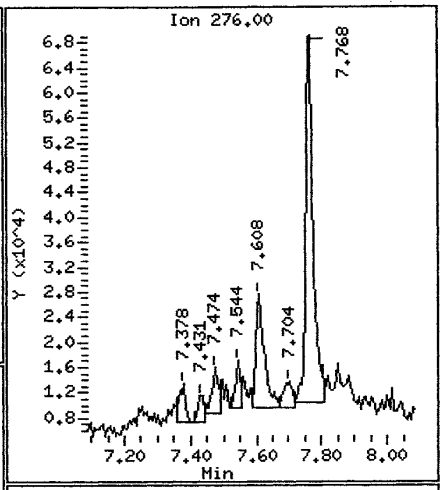
Column phase: RTX-5MS-30M

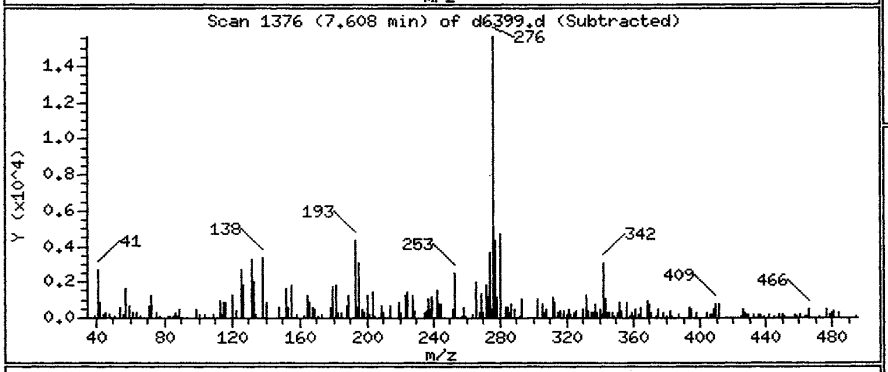
Column diameter: 0.25

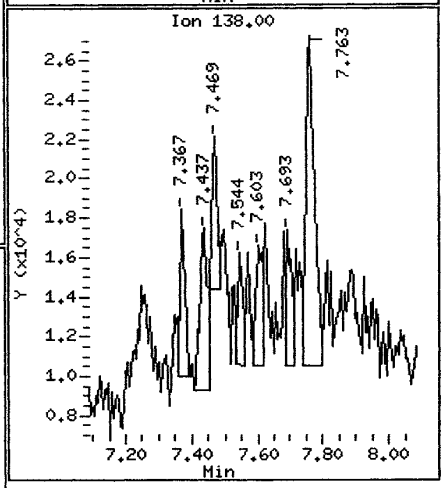
82 Indeno(1,2,3-cd)pyrene

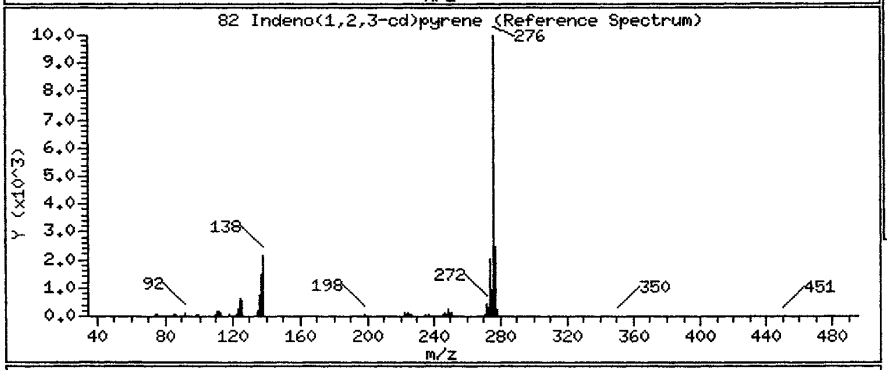
Concentration: 303 ug/Kg

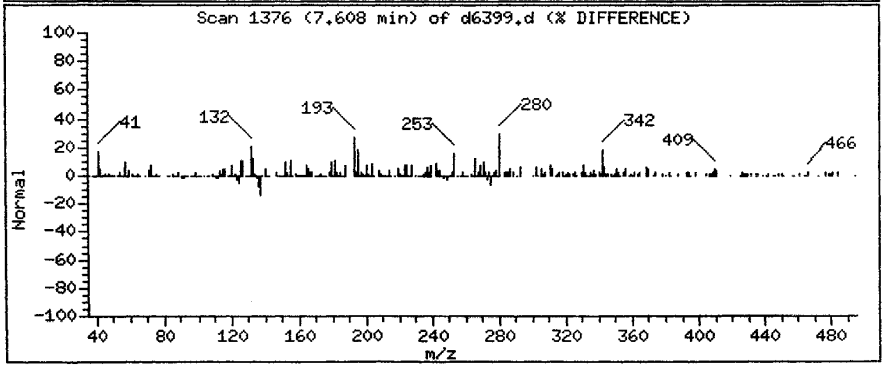












Data File: /var/chem/MSSV5.i/2080607.s.b/d6399.d

Date : 07-JUN-2008 17:49

Client ID: 20806052209

Instrument: MSSV5.i

Sample Info: 20806052209*4482*

Volume Injected (uL): 1.0

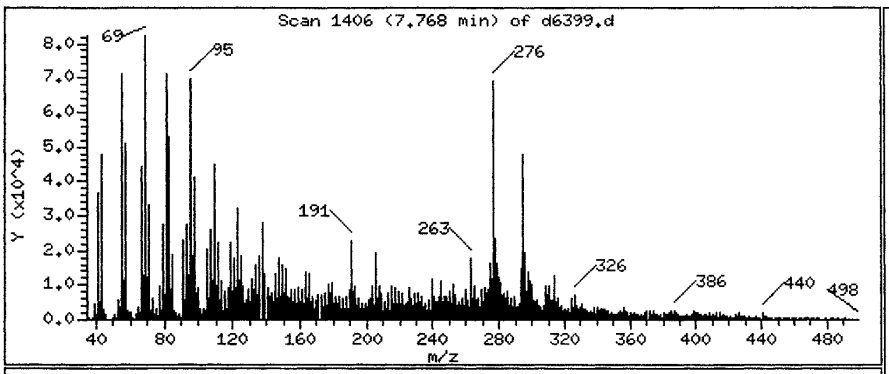
Operator: KCB

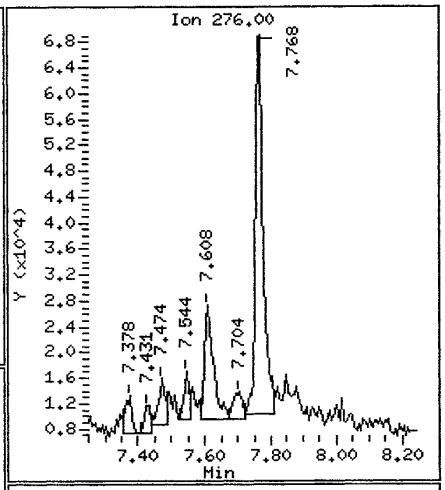
Column phase: RTX-5MS-30M

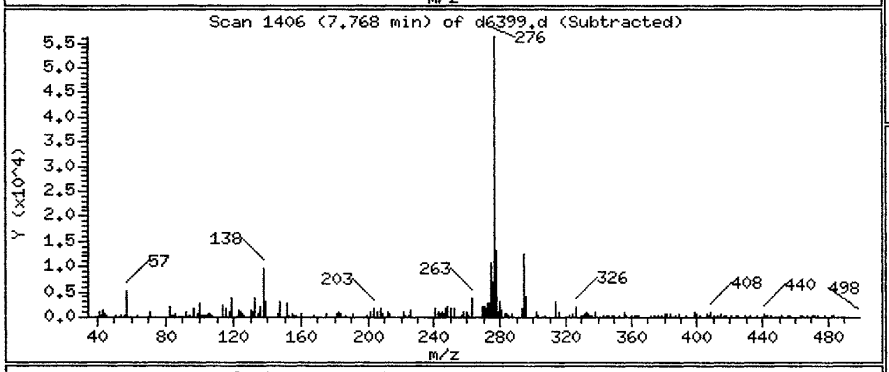
Column diameter: 0.25

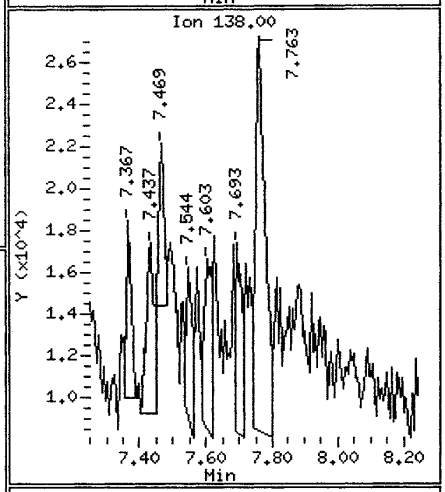
84 Benzo(g,h,i)perylene

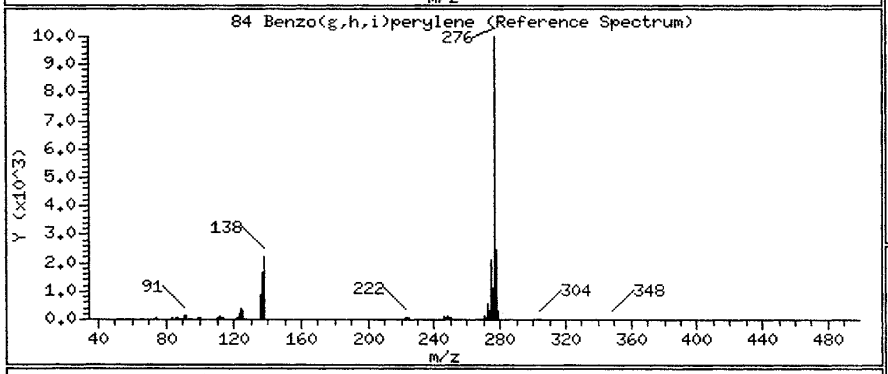
Concentration: 161 ug/Kg

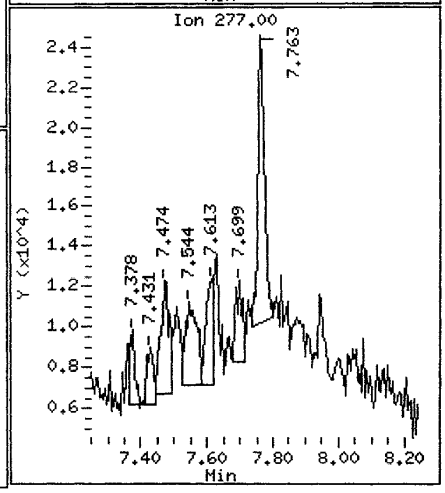


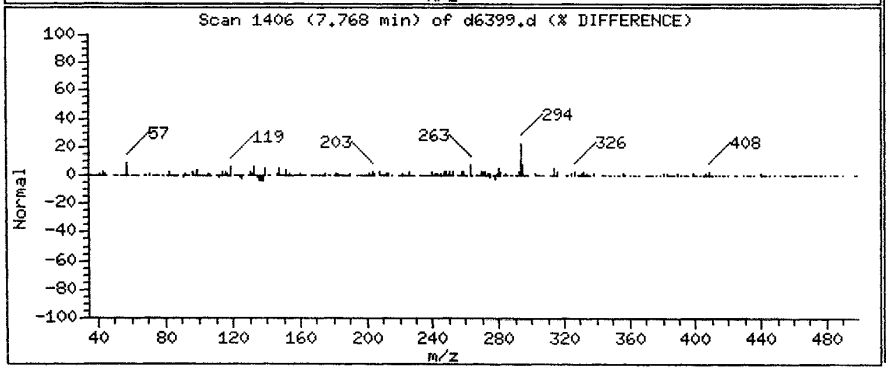






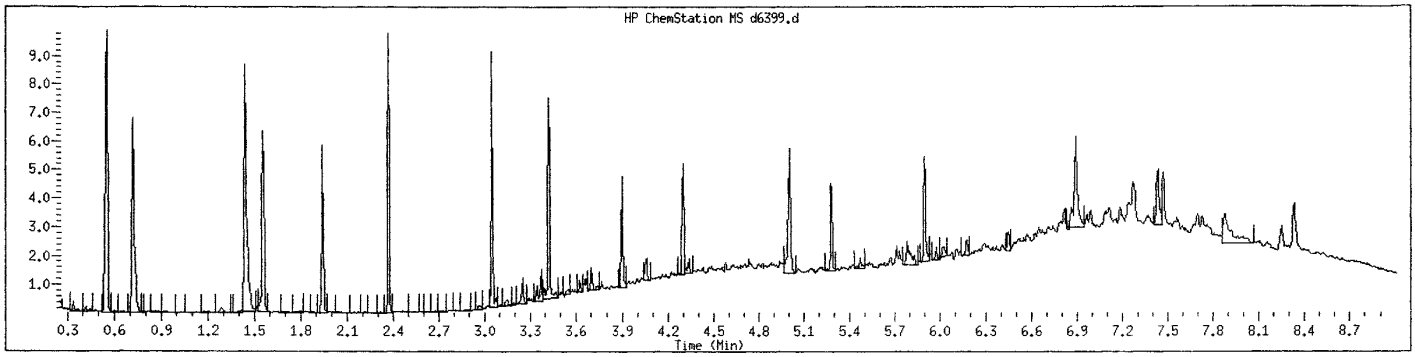






MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052209 SampleType : SAMPLE
Injection Date: 06/07/2008 17:49 Instrument : MSSV5.i
Operator : KCB
Sample Info : 20806052209*4482*
Misc Info : 20806052209*MSSV~5022~*060522*30.3-1*375004*
Method : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

170638

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 26.4 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: SWSED8 (1-2)
Contract:
Lab File ID: 2080607/d6400
Lab Sample ID: 20806052210
Date Collected: 06/04/08 Time: 1345
Date Received: 06/05/08
Date Extracted: 06/06/08
Date Analyzed: 06/07/08 Time: 1804
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375004 Analytical Batch: 375151

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.445	U	0.013	0.445
95-95-4	2,4,5-Trichlorophenol	0.445	U	0.00883	0.445
88-06-2	2,4,6-Trichlorophenol	0.445	U	0.010	0.445
120-83-2	2,4-Dichlorophenol	0.445	U	0.011	0.445
51-28-5	2,4-Dinitrophenol	2.23	U	0.022	2.23
121-14-2	2,4-Dinitrotoluene	0.445	U	0.028	0.445
606-20-2	2,6-Dinitrotoluene	0.445	U	0.00765	0.445
91-58-7	2-Chloronaphthalene	0.445	U	0.012	0.445
95-57-8	2-Chlorophenol	0.445	U	0.019	0.445
91-57-6	2-Methylnaphthalene	0.089	U	0.011	0.089
88-74-4	2-Nitroaniline	2.23	U	0.00788	2.23
88-75-5	2-Nitrophenol	0.445	U	0.013	0.445
91-94-1	3,3'-Dichlorobenzidine	0.891	U	0.031	0.891
99-09-2	3-Nitroaniline	2.23	U	0.042	2.23
534-52-1	2-Methyl-4,6-dinitrophenol	2.23	U	0.053	2.23
59-50-7	4-Chloro-3-methylphenol	0.445	U	0.011	0.445
106-47-8	4-Chloroaniline	0.445	U	0.00540	0.445
7005-72-3	4-Chlorophenyl-phenylether	0.445	U	0.00865	0.445
83-32-9	Acenaphthene	0.089	U	0.012	0.089
208-96-8	Acenaphthylene	0.089	U	0.00864	0.089
98-86-2	Acetophenone	0.445	U	0.011	0.445
62-53-3	Aniline	0.445	U	0.024	0.445
120-12-7	Anthracene	0.089	U	0.00796	0.089
1912-24-9	Atrazine (Aatrex)	0.891	U	0.021	0.891
100-52-7	Benzaldehyde	0.891	U	0.035	0.891
92-87-5	Benzidine	2.23	U	0.340	2.23
56-55-3	Benzo(a)anthracene	0.089	U	0.00566	0.089
50-32-8	Benzo(a)pyrene	0.089	U	0.00964	0.089
205-99-2	Benzo(b)fluoranthene	0.445	U	0.013	0.445

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 26.4 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: SWSED8 (1-2)
Contract:
Lab File ID: 2080607/d6400
Lab Sample ID: 20806052210
Date Collected: 06/04/08 Time: 1345
Date Received: 06/05/08
Date Extracted: 06/06/08
Date Analyzed: 06/07/08 Time: 1804
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375004 Analytical Batch: 375151

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.445	U	0.00965	0.445
207-08-9	Benzo(k)fluoranthene	0.445	U	0.012	0.445
65-85-0	Benzoic acid	2.23	U	0.044	2.23
100-51-6	Benzyl alcohol	0.445	U	0.014	0.445
92-52-4	Biphenyl	0.445	U	0.00744	0.445
111-91-1	Bis(2-Chloroethoxy)methane	0.445	U	0.010	0.445
111-44-4	Bis(2-Chloroethyl)ether	0.445	U	0.039	0.445
108-60-1	bis(2-Chloroisopropyl)ether	0.445	U	0.044	0.445
117-81-7	bis(2-ethylhexyl)phthalate	0.089	U	0.052	0.089
101-55-3	4-Bromophenyl-phenylether	0.445	U	0.00814	0.445
85-68-7	Butylbenzylphthalate	0.445	U	0.010	0.445
105-60-2	Caprolactam	0.445	U	0.013	0.445
86-74-8	Carbazole	0.445	U	0.010	0.445
218-01-9	Chrysene	0.445	U	0.00844	0.445
84-74-2	Di-n-butylphthalate	0.445	U	0.00896	0.445
117-84-0	Di-n-octylphthalate	0.445	U	0.024	0.445
53-70-3	Dibenz(a,h)anthracene	0.089	U	0.00736	0.089
132-64-9	Dibenzofuran	0.445	U	0.00682	0.445
84-66-2	Diethylphthalate	0.445	U	0.00850	0.445
131-11-3	Dimethyl-phthalate	0.445	U	0.00687	0.445
105-67-9	2,4-Dimethylphenol	0.445	U	0.012	0.445
206-44-0	Fluoranthene	0.445	U	0.00723	0.445
86-73-7	Fluorene	0.089	U	0.00737	0.089
118-74-1	Hexachlorobenzene	0.445	U	0.014	0.445
77-47-4	Hexachlorocyclopentadiene	0.445	U	0.025	0.445
67-72-1	Hexachloroethane	0.445	U	0.039	0.445
193-39-5	Indeno(1,2,3-cd)pyrene	0.445	U	0.014	0.445
78-59-1	Isophorone	0.445	U	0.010	0.445
100-01-6	4-Nitroaniline	2.23	U	0.011	2.23

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 26.4 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: SWSED8 (1-2)
Contract:
Lab File ID: 2080607/d6400
Lab Sample ID: 20806052210
Date Collected: 06/04/08 Time: 1345
Date Received: 06/05/08
Date Extracted: 06/06/08
Date Analyzed: 06/07/08 Time: 1804
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375004 Analytical Batch: 375151

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.445	U	0.054	0.445
100-02-7	4-Nitrophenol	2.23	U	0.045	2.23
87-86-5	Pentachlorophenol	2.23	U	0.023	2.23
85-01-8	Phenanthrene	0.089	U	0.00780	0.089
108-95-2	Phenol	0.445	U	0.014	0.445
129-00-0	Pyrene	0.445	U	0.00912	0.445
110-86-1	Pyridine	0.445	U	0.022	0.445
1319-77-3M	m,p-Cresol	0.445	U	0.013	0.445
621-64-7	N-Nitroso-di-n-propylamine	0.089	U	0.013	0.089
62-75-9	N-Nitrosodimethylamine	0.445	U	0.131	0.445
86-30-6	N-Nitrosodiphenylamine	0.445	U	0.00761	0.445
95-48-7	o-Cresol	0.445	U	0.023	0.445

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080607.s.b/d6400.d
Lab Smp Id: 20806052210 Client Smp ID: 20806052210
Inj Date : 07-JUN-2008 18:04
Operator : KCB Inst ID: MSSV5.i
Smp Info : 20806052210*4482*
Misc Info : 20806052210*MSSV~5022~*060522*30.2-1*375004*
Comment :
Method : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Meth Date : 07-Jun-2008 10:48 root Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.d
Als bottle: 35
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	Weigth 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	0.708	0.703	(0.456)	1661434	98.6206	3270
$ 4 Phenol-d5	99	1.430	1.436	(0.921)	3307920	85.6906	2840
* 10 1,4-Dichlorobenzene-d4	152	1.553	1.553	(1.000)	753854	40.0000	
$ 19 Nitrobenzene-d5	82	1.933	1.944	(0.817)	1384556	40.6658	1350
* 28 Naphthalene-d8	136	2.366	2.372	(1.000)	2616964	40.0000	
$ 37 2-Fluorobiphenyl	172	3.040	3.045	(0.889)	1457806	43.6092	1440
* 44 Acenaphthene-d10	164	3.420	3.425	(1.000)	1071684	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.901	3.907	(1.141)	245407	61.0930	2020
* 61 Phenanthrene-d10	188	4.297	4.302	(1.000)	1121611	40.0000	
$ 70 Terphenyl-d14	244	5.281	5.287	(0.896)	885975	39.6750	1310
* 74 Chrysene-d12	240	5.896	5.902	(1.000)	995844	40.0000	

170642

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
76 bis(2-Ethylhexyl)phthalate	149	6.014	6.014	(1.020)	9945	0.58662	19.4(H)
* 81 Perylene-d12	264	6.880	6.886	(1.000)	1184059	40.0000	

QC Flag Legend

H - Operator selected an alternate compound hit.

170643

Data File: /var/chem/MSSV5.i/2080607.s.b/d6400.d

Date : 07-JUN-2008 18:04

Client ID: 20806052210

Instrument: MSSV5.i

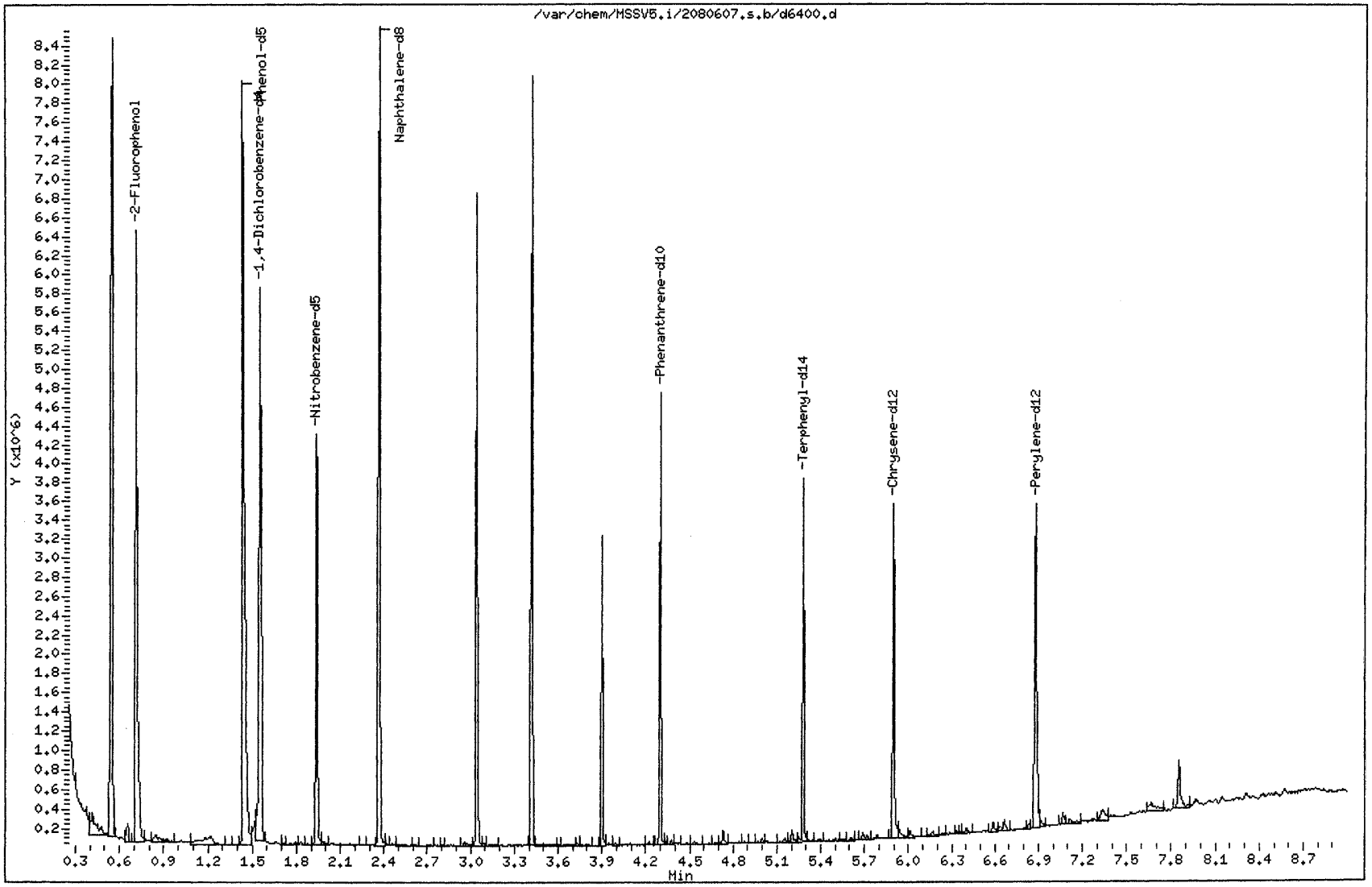
Sample Info: 20806052210*4482*

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 0.25



Data File: /var/chem/MSSV5.i/2080607.s.b/d6400.d

Date : 07-JUN-2008 18:04

Client ID: 20806052210

Instrument: MSSV5.i

Sample Info: 20806052210x4482x

Volume Injected (uL): 1.0

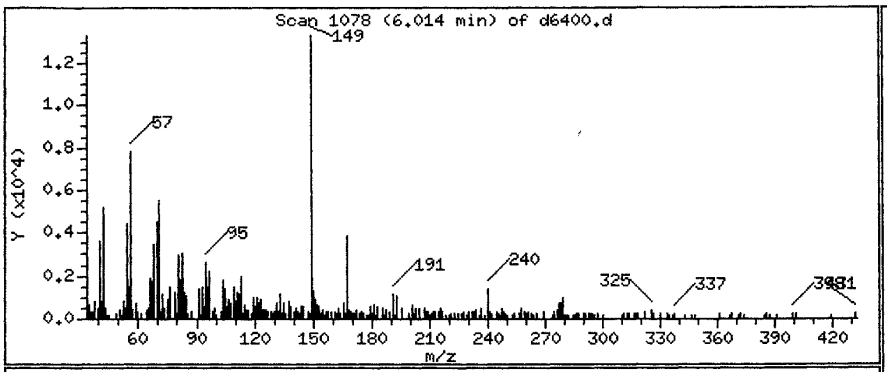
Operator: KCB

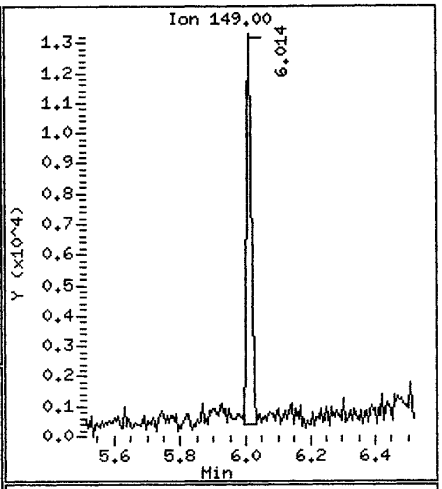
Column phase: RTX-5MS-30M

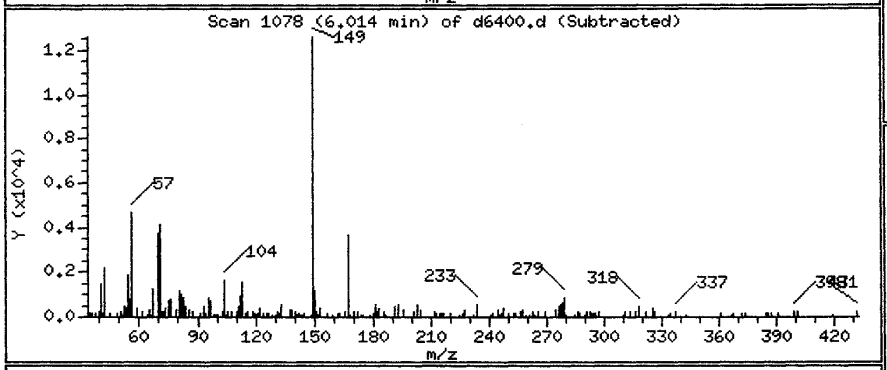
Column diameter: 0.25

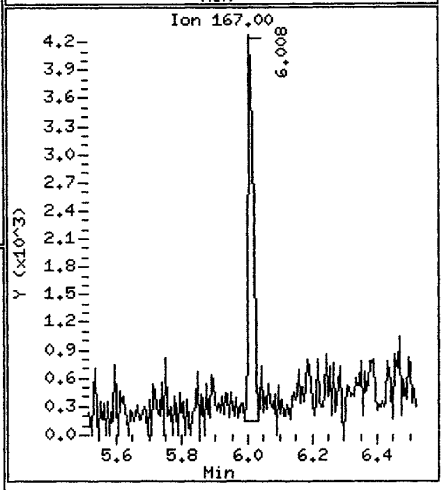
76 bis(2-Ethylhexyl)phthalate

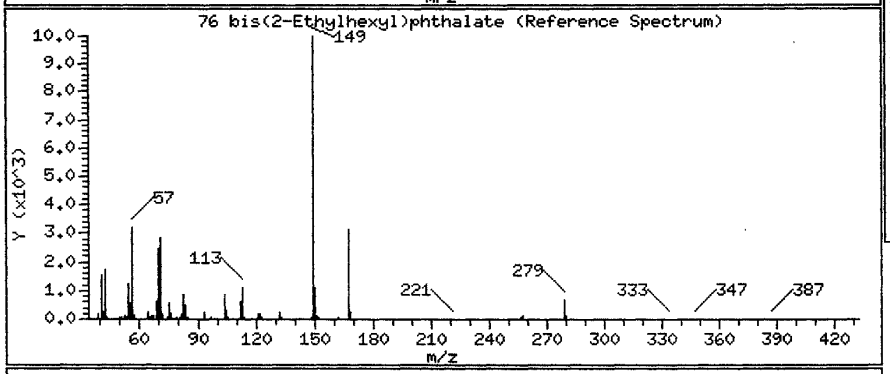
Concentration: 19.4 ug/Kg

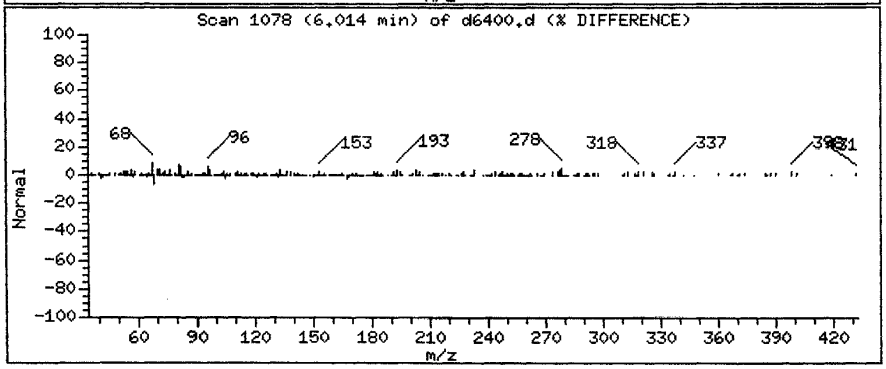






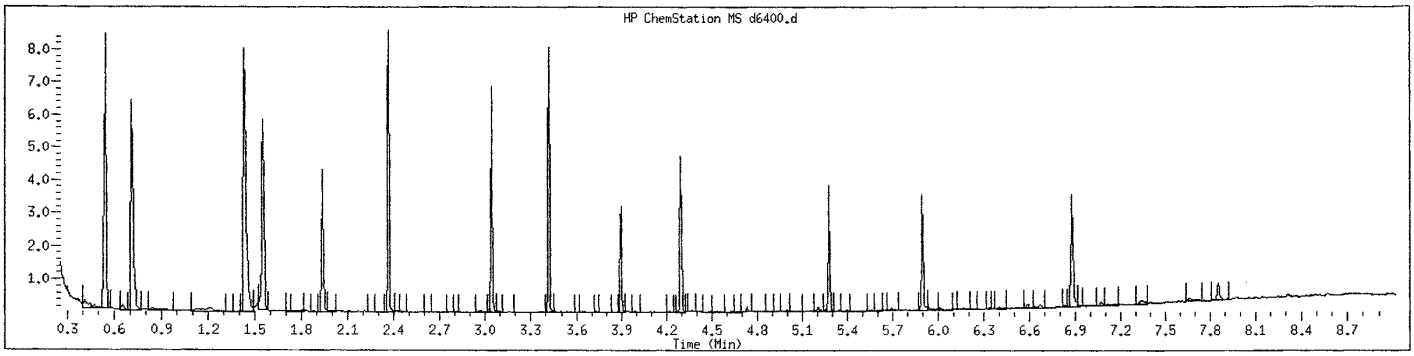






MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052210	SampleType	: SAMPLE
Injection Date	: 06/07/2008 18:04	Instrument	: MSSV5.i
Operator	: KCB		
Sample Info	: 20806052210*4482*		
Misc Info	: 20806052210*MSSV~5022~*060522*30.2-1*375004*		
Method	: /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m		
Dilution	: 1.00		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: SA8270



NO MANUAL INTEGRATIONS

170646

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 19.5 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: 2WSED10 (1-2)
Contract:
Lab File ID: 2080607/d6401
Lab Sample ID: 20806052211
Date Collected: 06/04/08 Time: 1440
Date Received: 06/05/08
Date Extracted: 06/06/08
Date Analyzed: 06/07/08 Time: 1820
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375004 Analytical Batch: 375151

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.409	U	0.012	0.409
95-95-4	2,4,5-Trichlorophenol	0.409	U	0.00810	0.409
88-06-2	2,4,6-Trichlorophenol	0.409	U	0.00935	0.409
120-83-2	2,4-Dichlorophenol	0.409	U	0.00963	0.409
51-28-5	2,4-Dinitrophenol	2.04	U	0.020	2.04
121-14-2	2,4-Dinitrotoluene	0.409	U	0.026	0.409
606-20-2	2,6-Dinitrotoluene	0.409	U	0.00702	0.409
91-58-7	2-Chloronaphthalene	0.409	U	0.011	0.409
95-57-8	2-Chlorophenol	0.409	U	0.017	0.409
91-57-6	2-Methylnaphthalene	0.082	U	0.00994	0.082
88-74-4	2-Nitroaniline	2.04	U	0.00723	2.04
88-75-5	2-Nitrophenol	0.409	U	0.012	0.409
91-94-1	3,3'-Dichlorobenzidine	0.817	U	0.028	0.817
99-09-2	3-Nitroaniline	2.04	U	0.038	2.04
534-52-1	2-Methyl-4,6-dinitrophenol	2.04	U	0.048	2.04
59-50-7	4-Chloro-3-methylphenol	0.409	U	0.00998	0.409
106-47-8	4-Chloroaniline	0.409	U	0.00495	0.409
7005-72-3	4-Chlorophenyl-phenylether	0.409	U	0.00794	0.409
83-32-9	Acenaphthene	0.082	U	0.011	0.082
208-96-8	Acenaphthylene	0.082	U	0.00792	0.082
98-86-2	Acetophenone	0.409	U	0.010	0.409
62-53-3	Aniline	0.409	U	0.022	0.409
120-12-7	Anthracene	0.082	U	0.00730	0.082
1912-24-9	Atrazine (Aatrex)	0.817	U	0.020	0.817
100-52-7	Benzaldehyde	0.817	U	0.033	0.817
92-87-5	Benzidine	2.04	U	0.312	2.04
56-55-3	Benzo(a)anthracene	0.082	U	0.00519	0.082
50-32-8	Benzo(a)pyrene	0.082	U	0.00884	0.082
205-99-2	Benzo(b)fluoranthene	0.409	U	0.012	0.409

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 19.5 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: 2WSED10 (1-2)
Contract:
Lab File ID: 2080607/d6401
Lab Sample ID: 20806052211
Date Collected: 06/04/08 Time: 1440
Date Received: 06/05/08
Date Extracted: 06/06/08
Date Analyzed: 06/07/08 Time: 1820
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375004 Analytical Batch: 375151

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.409	U	0.00885	0.409
207-08-9	Benzo(k)fluoranthene	0.409	U	0.011	0.409
65-85-0	Benzoic acid	2.04	U	0.040	2.04
100-51-6	Benzyl alcohol	0.409	U	0.013	0.409
92-52-4	Biphenyl	0.409	U	0.00682	0.409
111-91-1	Bis(2-Chloroethoxy)methane	0.409	U	0.00924	0.409
111-44-4	Bis(2-Chloroethyl)ether	0.409	U	0.036	0.409
108-60-1	bis(2-Chloroisopropyl)ether	0.409	U	0.040	0.409
117-81-7	bis(2-ethylhexyl)phthalate	0.082	U	0.048	0.082
101-55-3	4-Bromophenyl-phenylether	0.409	U	0.00747	0.409
85-68-7	Butylbenzylphthalate	0.409	U	0.00941	0.409
105-60-2	Caprolactam	0.409	U	0.012	0.409
86-74-8	Carbazole	0.409	U	0.00947	0.409
218-01-9	Chrysene	0.409	U	0.00774	0.409
84-74-2	Di-n-butylphthalate	0.409	U	0.00822	0.409
117-84-0	Di-n-octylphthalate	0.409	U	0.022	0.409
53-70-3	Dibenz(a,h)anthracene	0.082	U	0.00675	0.082
132-64-9	Dibenzofuran	0.409	U	0.00625	0.409
84-66-2	Diethylphthalate	0.409	U	0.00780	0.409
131-11-3	Dimethyl-phthalate	0.409	U	0.00630	0.409
105-67-9	2,4-Dimethylphenol	0.409	U	0.011	0.409
206-44-0	Fluoranthene	0.409	U	0.00664	0.409
86-73-7	Fluorene	0.082	U	0.00676	0.082
118-74-1	Hexachlorobenzene	0.409	U	0.013	0.409
77-47-4	Hexachlorocyclopentadiene	0.409	U	0.023	0.409
67-72-1	Hexachloroethane	0.409	U	0.036	0.409
193-39-5	Indeno(1,2,3-cd)pyrene	0.409	U	0.013	0.409
78-59-1	Isophorone	0.409	U	0.00927	0.409
100-01-6	4-Nitroaniline	2.04	U	0.00995	2.04

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 19.5 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: 2WSED10 (1-2)
Contract:
Lab File ID: 2080607/d6401
Lab Sample ID: 20806052211
Date Collected: 06/04/08 Time: 1440
Date Received: 06/05/08
Date Extracted: 06/06/08
Date Analyzed: 06/07/08 Time: 1820
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375004 Analytical Batch: 375151

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.409	U	0.049	0.409
100-02-7	4-Nitrophenol	2.04	U	0.042	2.04
87-86-5	Pentachlorophenol	2.04	U	0.021	2.04
85-01-8	Phenanthrene	0.082	U	0.00716	0.082
108-95-2	Phenol	0.409	U	0.013	0.409
129-00-0	Pyrene	0.409	U	0.00837	0.409
110-86-1	Pyridine	0.409	U	0.020	0.409
1319-77-3M	m,p-Cresol	0.409	U	0.012	0.409
621-64-7	N-Nitroso-di-n-propylamine	0.082	U	0.012	0.082
62-75-9	N-Nitrosodimethylamine	0.409	U	0.120	0.409
86-30-6	N-Nitrosodiphenylamine	0.409	U	0.00698	0.409
95-48-7	o-Cresol	0.409	U	0.021	0.409

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080607.s.b/d6401.d
Lab Smp Id: 20806052211 Client Smp ID: 20806052211
Inj Date : 07-JUN-2008 18:20
Operator : KCB Inst ID: MSSV5.i
Smp Info : 20806052211*4482*
Misc Info : 20806052211*MSSV~5022~*060522*30.1-1*375004*
Comment :
Method : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Meth Date : 07-Jun-2008 10:48 root Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.d
Als bottle: 36
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	Weigth 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	0.713	0.703	(0.459)	1860535	103.727	3450
$ 4 Phenol-d5	99	1.430	1.436	(0.921)	3480964	84.6928	2810
* 10 1,4-Dichlorobenzene-d4	152	1.553	1.553	(1.000)	802636	40.0000	
$ 19 Nitrobenzene-d5	82	1.933	1.944	(0.817)	1617237	43.8255	1460
* 28 Naphthalene-d8	136	2.366	2.372	(1.000)	2836379	40.0000	
$ 37 2-Fluorobiphenyl	172	3.040	3.045	(0.889)	1762116	48.7736	1620
* 44 Acenaphthene-d10	164	3.420	3.425	(1.000)	1158231	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.901	3.907	(1.141)	241539	55.6370	1850
* 61 Phenanthrene-d10	188	4.297	4.302	(1.000)	1168773	40.0000	
$ 70 Terphenyl-d14	244	5.281	5.287	(0.896)	861396	40.3802	1340
* 74 Chrysene-d12	240	5.896	5.902	(1.000)	951310	40.0000	

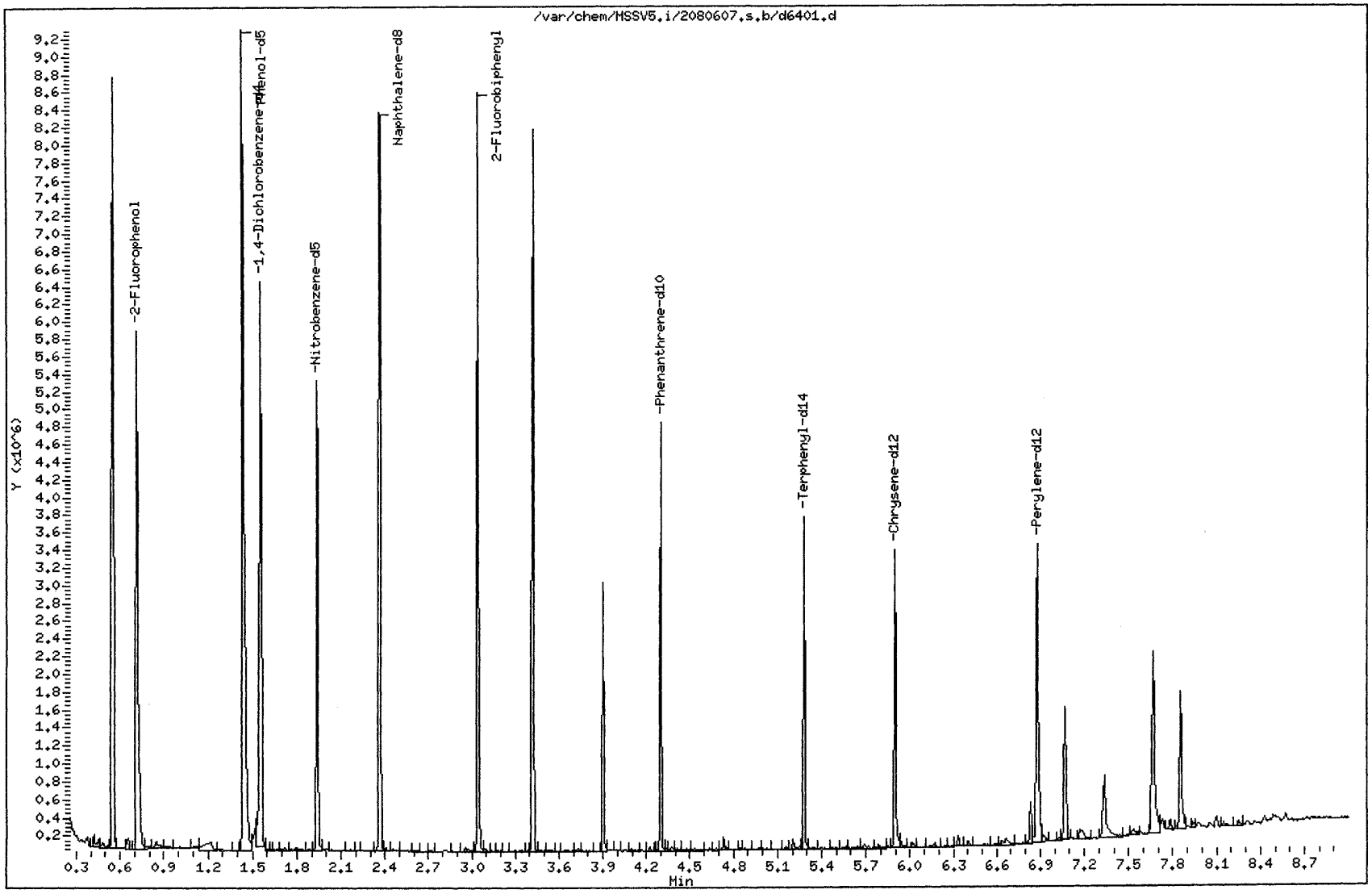
170650

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
76 bis(2-Ethylhexyl)phthalate	149	6.014	6.014	(1.020)	8402	0.51881	17.2
* 81 Perylene-d12	264	6.880	6.886	(1.000)	1167029	40.0000	

170651

Data File: /var/chem/MSSV5.i/2080607.s.b/d6401.d
Date : 07-JUN-2008 18:20
Client ID: 20806052211
Sample Info: 20806052211*4482*
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i
Operator: KCB
Column diameter: 0.25



Data File: /var/chem/MSSV5.i/2080607.s.b/d6401.d

Date : 07-JUN-2008 18:20

Client ID: 20806052211

Instrument: MSSV5.i

Sample Info: 20806052211*4482*

Volume Injected (uL): 1.0

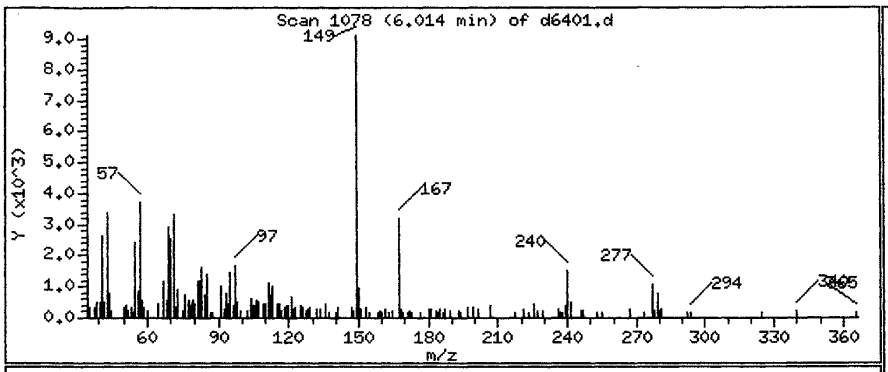
Operator: KCB

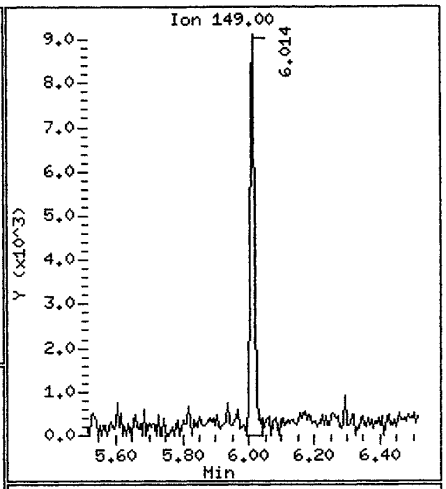
Column phase: RTX-5MS-30M

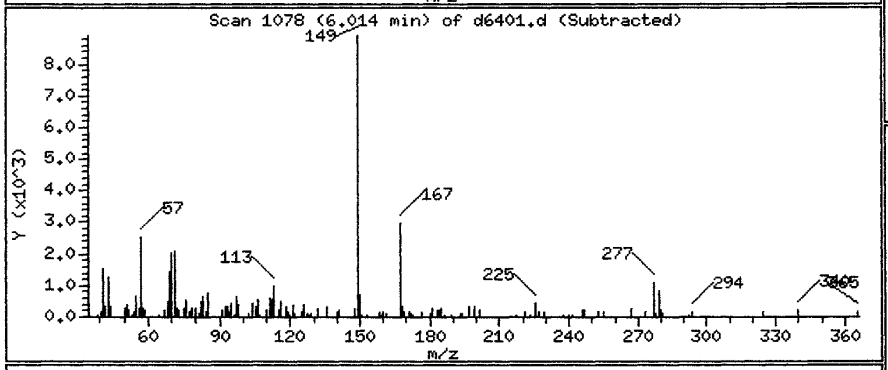
Column diameter: 0.25

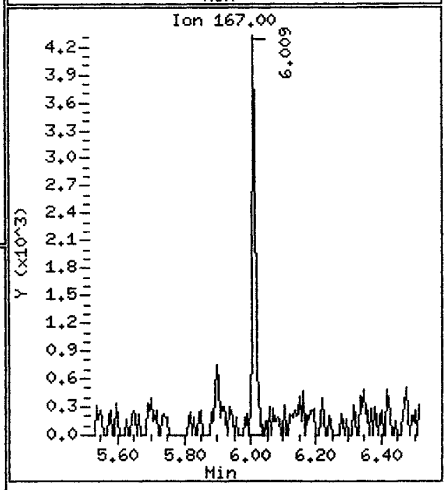
76 bis(2-Ethylhexyl)phthalate

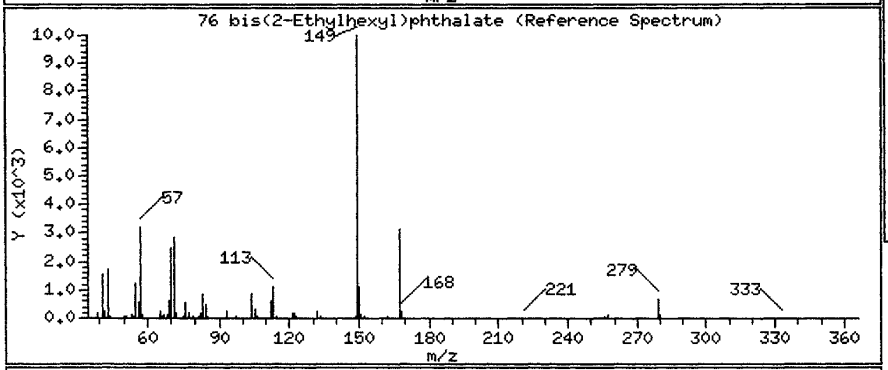
Concentration: 17.2 ug/Kg

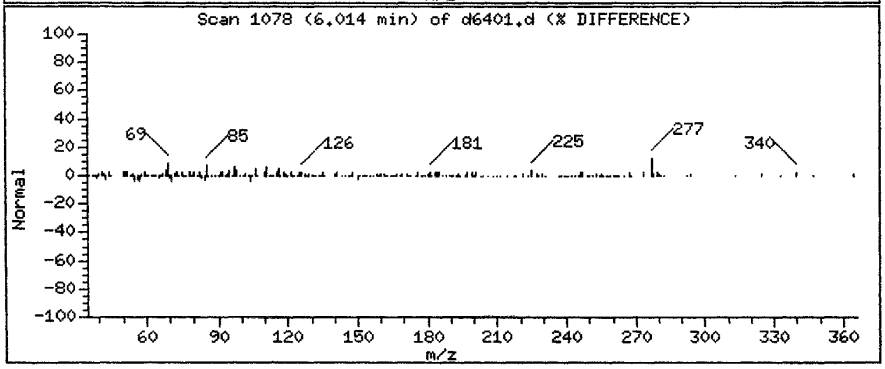








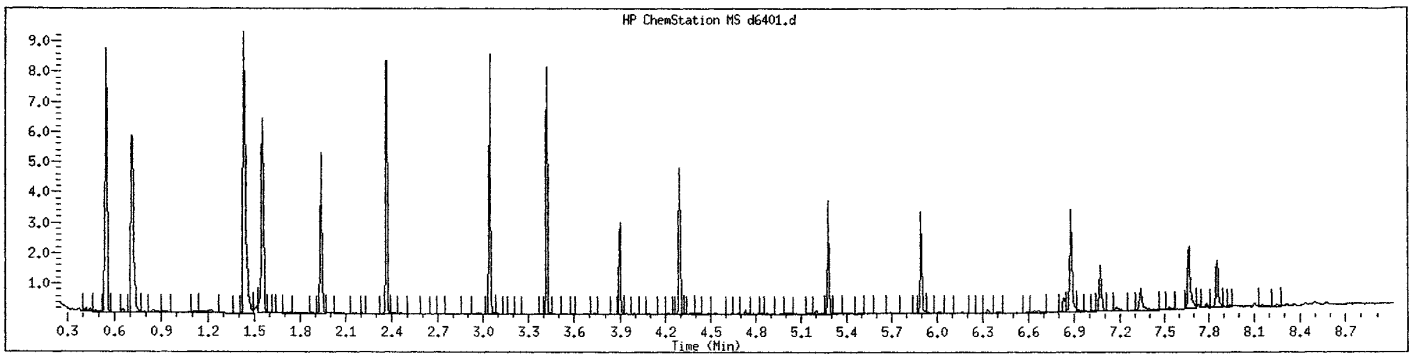




170653

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052211 SampleType : SAMPLE
Injection Date: 06/07/2008 18:20 Instrument : MSSV5.i
Operator : KCB
Sample Info : 20806052211*4482*
Misc Info : 20806052211*MSSV~5022~*060522*30.1-1*375004*
Method : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

170654

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Water
Sample wt/vol: 980 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: SE-060408-EB
Contract:
Lab File ID: 2080609/d6436
Lab Sample ID: 20806052212
Date Collected: 06/04/08 Time: 1500
Date Received: 06/05/08
Date Extracted: 06/07/08
Date Analyzed: 06/09/08 Time: 1346
Dilution Factor: 1 Analyst: KCB
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375086 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.010	U	0.000208	0.010
95-95-4	2,4,5-Trichlorophenol	0.010	U	0.000414	0.010
88-06-2	2,4,6-Trichlorophenol	0.010	U	0.000428	0.010
120-83-2	2,4-Dichlorophenol	0.010	U	0.000395	0.010
51-28-5	2,4-Dinitrophenol	0.051	U	0.00115	0.051
121-14-2	2,4-Dinitrotoluene	0.010	U	0.000473	0.010
606-20-2	2,6-Dinitrotoluene	0.010	U	0.000419	0.010
91-58-7	2-Chloronaphthalene	0.010	U	0.000350	0.010
95-57-8	2-Chlorophenol	0.010	U	0.000351	0.010
91-57-6	2-Methylnaphthalene	0.010	U	0.000104	0.010
88-74-4	2-Nitroaniline	0.051	U	0.000272	0.051
88-75-5	2-Nitrophenol	0.010	U	0.000532	0.010
91-94-1	3,3'-Dichlorobenzidine	0.020	U	0.00212	0.020
99-09-2	3-Nitroaniline	0.051	U	0.000408	0.051
534-52-1	2-Methyl-4,6-dinitrophenol	0.051	U	0.000290	0.051
59-50-7	4-Chloro-3-methylphenol	0.010	U	0.000417	0.010
106-47-8	4-Chloroaniline	0.010	U	0.000802	0.010
7005-72-3	4-Chlorophenyl-phenylether	0.010	U	0.000353	0.010
83-32-9	Acenaphthene	0.010	U	0.000138	0.010
208-96-8	Acenaphthylene	0.010	U	0.000090	0.010
98-86-2	Acetophenone	0.010	U	0.000378	0.010
62-53-3	Aniline	0.010	U	0.000568	0.010
120-12-7	Anthracene	0.010	U	0.000104	0.010
1912-24-9	Atrazine (Aatrex)	0.051	U	0.00209	0.051
100-52-7	Benzaldehyde	0.051	U	0.00123	0.051
92-87-5	Benzidine	0.051	U	0.00733	0.051
56-55-3	Benzo(a)anthracene	0.010	U	0.000081	0.010
50-32-8	Benzo(a)pyrene	0.010	U	0.000153	0.010
205-99-2	Benzo(b)fluoranthene	0.010	U	0.000168	0.010

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Water
Sample wt/vol: 980 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: SE-060408-EB
Contract:
Lab File ID: 2080609/d6436
Lab Sample ID: 20806052212
Date Collected: 06/04/08 Time: 1500
Date Received: 06/05/08
Date Extracted: 06/07/08
Date Analyzed: 06/09/08 Time: 1346
Dilution Factor: 1 Analyst: KCB
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375086 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.010	U	0.000143	0.010
207-08-9	Benzo(k)fluoranthene	0.010	U	0.000067	0.010
65-85-0	Benzoic acid	0.051	U	0.00102	0.051
100-51-6	Benzyl alcohol	0.010	U	0.000451	0.010
92-52-4	Biphenyl	0.010	U	0.000347	0.010
111-91-1	Bis(2-Chloroethoxy)methane	0.010	U	0.000245	0.010
111-44-4	Bis(2-Chloroethyl)ether	0.010	U	0.000480	0.010
108-60-1	bis(2-Chloroisopropyl)ether	0.010	U	0.000539	0.010
117-81-7	bis(2-ethylhexyl)phthalate	0.010	U	0.00195	0.010
101-55-3	4-Bromophenyl-phenylether	0.010	U	0.000374	0.010
85-68-7	Butylbenzylphthalate	0.010	U	0.000363	0.010
105-60-2	Caprolactam	0.013		0.00264	0.010
86-74-8	Carbazole	0.010	U	0.000299	0.010
218-01-9	Chrysene	0.010	U	0.000057	0.010
84-74-2	Di-n-butylphthalate	0.010	U	0.000963	0.010
117-84-0	Di-n-octylphthalate	0.010	U	0.000907	0.010
53-70-3	Dibenz(a,h)anthracene	0.010	U	0.000263	0.010
132-64-9	Dibenzofuran	0.010	U	0.000327	0.010
84-66-2	Diethylphthalate	0.010	U	0.000263	0.010
131-11-3	Dimethyl-phthalate	0.010	U	0.000210	0.010
105-67-9	2,4-Dimethylphenol	0.010	U	0.00134	0.010
206-44-0	Fluoranthene	0.010	U	0.000159	0.010
86-73-7	Fluorene	0.010	U	0.000112	0.010
118-74-1	Hexachlorobenzene	0.010	U	0.000261	0.010
77-47-4	Hexachlorocyclopentadiene	0.010	U	0.000609	0.010
67-72-1	Hexachloroethane	0.010	U	0.000859	0.010
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	U	0.000161	0.010
78-59-1	Isophorone	0.010	U	0.000245	0.010
100-01-6	4-Nitroaniline	0.051	U	0.000575	0.051

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Water
Sample wt/vol: 980 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: SE-060408-EB
Contract:
Lab File ID: 2080609/d6436
Lab Sample ID: 20806052212
Date Collected: 06/04/08 Time: 1500
Date Received: 06/05/08
Date Extracted: 06/07/08
Date Analyzed: 06/09/08 Time: 1346
Dilution Factor: 1 Analyst: KCB
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375086 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.010	U	0.000369	0.010
100-02-7	4-Nitrophenol	0.051	U	0.00205	0.051
87-86-5	Pentachlorophenol	0.051	U	0.00108	0.051
85-01-8	Phenanthrene	0.010	U	0.000140	0.010
108-95-2	Phenol	0.010	U	0.000332	0.010
129-00-0	Pyrene	0.010	U	0.000091	0.010
110-86-1	Pyridine	0.010	U	0.000356	0.010
1319-77-3M	m,p-Cresol	0.010	U	0.000301	0.010
621-64-7	N-Nitroso-di-n-propylamine	0.010	U	0.000319	0.010
62-75-9	N-Nitrosodimethylamine	0.010	U	0.00103	0.010
86-30-6	N-Nitrosodiphenylamine	0.010	U	0.000521	0.010
95-48-7	o-Cresol	0.010	U	0.000333	0.010

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080609.s.b/d6436.d
Lab Smp Id: 20806052212 Client Smp ID: 20806052212
Inj Date : 09-JUN-2008 13:46
Operator : KCB Inst ID: MSSV5.i
Smp Info : 20806052212*4482*
Misc Info : 20806052212*MSSV~5025~*060522*980-1*375086*
Comment :
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Meth Date : 11-Jun-2008 15:46 rjo Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.d
Als bottle: 12
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	980.00000	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	0.697	0.697	(0.454)	245060	24.8313	25.3
$ 4 Phenol-d5	99	1.435	1.425	(0.934)	346920	15.3409	15.7
* 10 1,4-Dichlorobenzene-d4	152	1.537	1.537	(1.000)	441616	40.0000	
$ 19 Nitrobenzene-d5	82	1.922	1.927	(0.816)	833205	39.0383	39.8
* 28 Naphthalene-d8	136	2.355	2.355	(1.000)	1640505	40.0000	
$ 37 2-Fluorobiphenyl	172	3.035	3.035	(0.890)	1095668	39.6622	40.5
* 44 Acenaphthene-d10	164	3.409	3.414	(1.000)	885620	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.890	3.896	(1.141)	236738	71.3168	72.8
* 61 Phenanthrene-d10	188	4.292	4.292	(1.000)	1328257	40.0000	
$ 70 Terphenyl-d14	244	5.276	5.276	(0.895)	832210	45.2253	46.1
* 74 Chrysene-d12	240	5.896	5.902	(1.000)	820613	40.0000	
* 81 Perylene-d12	264	6.880	6.880	(1.000)	601874	40.0000	
91 Acetophenone	105	1.847	1.842	(1.202)	5712	0.26114	0.266(aH)

170658

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
155 Benzaldehyde	77	1.243	1.221	(0.809)	6365	1.00622	1.03(aH)
156 Caprolactam	113	2.639	2.687	(1.120)	45202	12.2983	12.5

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

170659

Data File: /var/chem/MSSV5.i/2080609.s.b/d6436.d

Page 1

Date : 09-JUN-2008 13:46

Client ID: 20806052212

Instrument: MSSV5.i

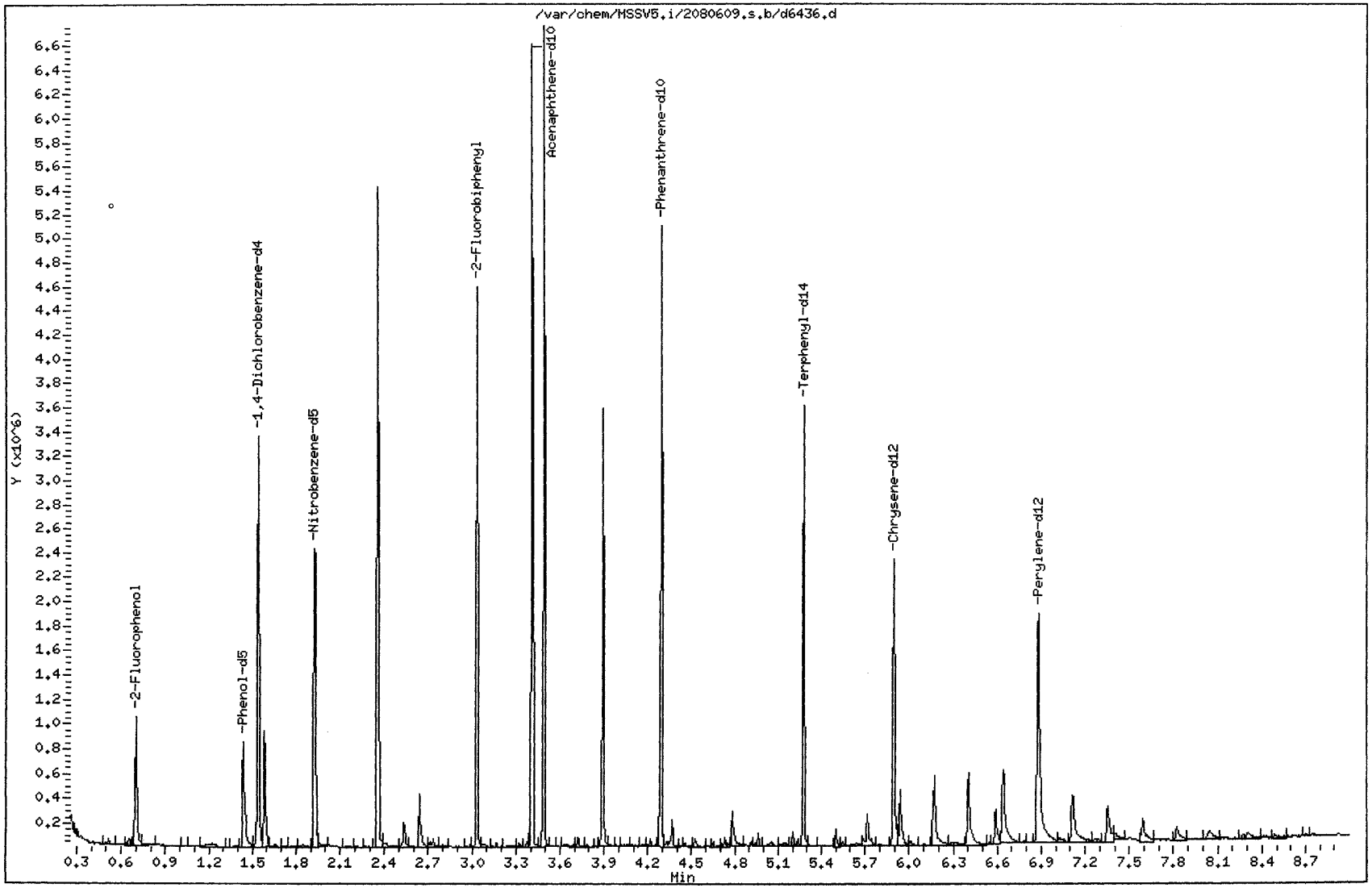
Sample Info: 20806052212*4482*

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 0.25



Data File: /var/chem/MSSV5.i/2080609.s.b/d6436.d

Date : 09-JUN-2008 13:46

Client ID: 20806052212

Instrument: MSSV5.i

Sample Info: 20806052212*4482*

Volume Injected (uL): 1.0

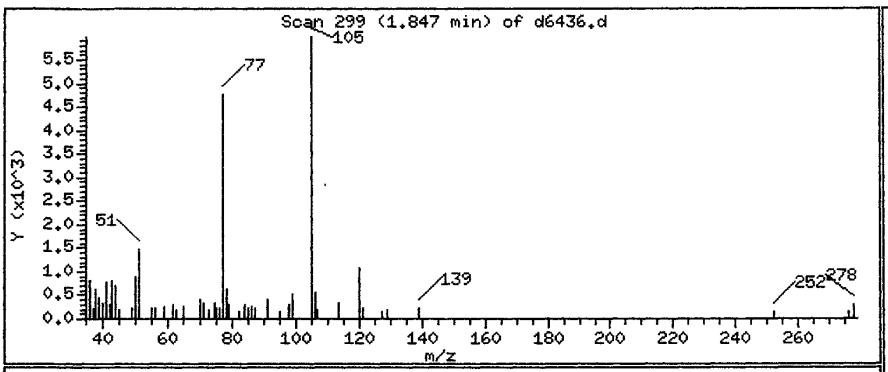
Operator: KCB

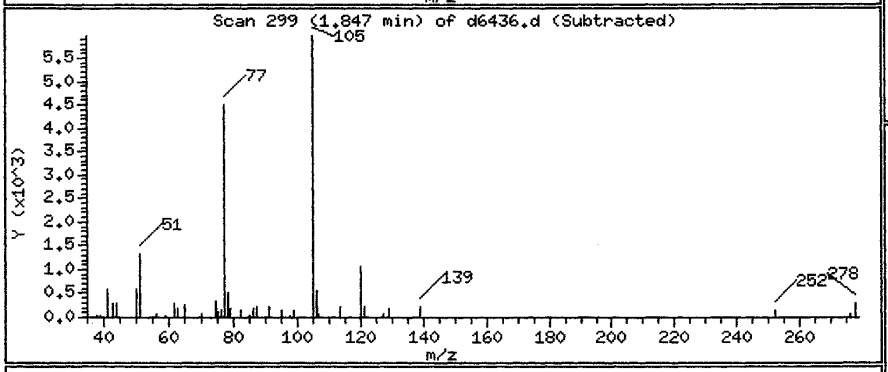
Column phase: RTX-5MS-30M

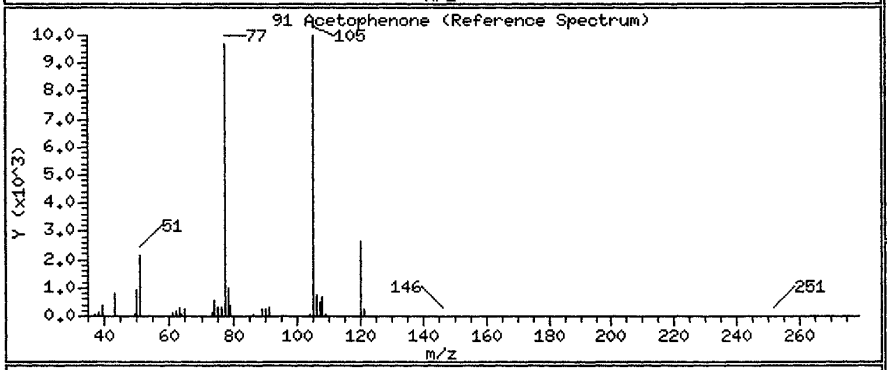
Column diameter: 0.25

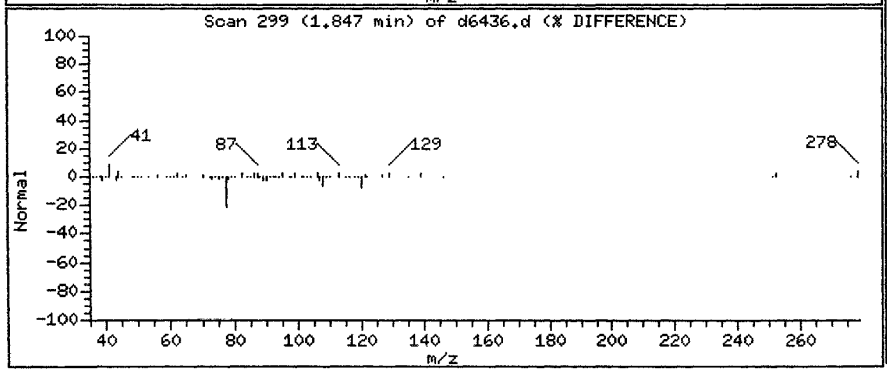
91 Acetophenone

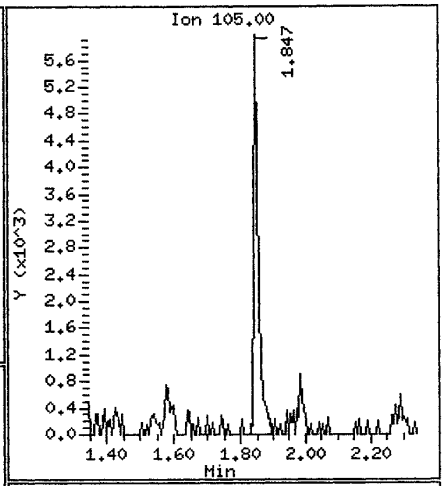
Concentration: 0.266 ug/L

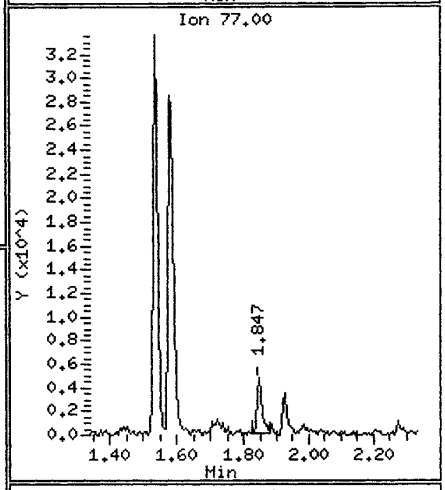


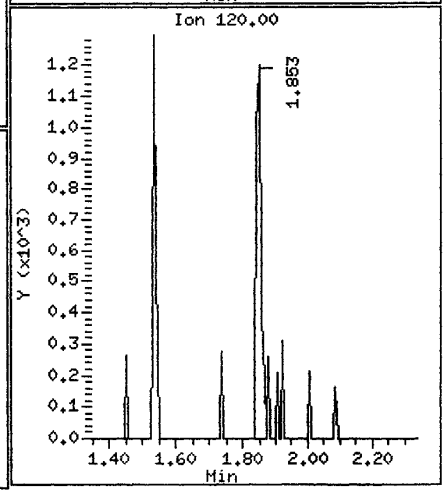












170661

Data File: /var/chem/MSSV5.i/20080609.s.b/d6436.d

Date : 09-JUN-2008 13:46

Client ID: 20806052212

Instrument: MSSV5.i

Sample Info: 20806052212*4482*

Volume Injected (uL): 1.0

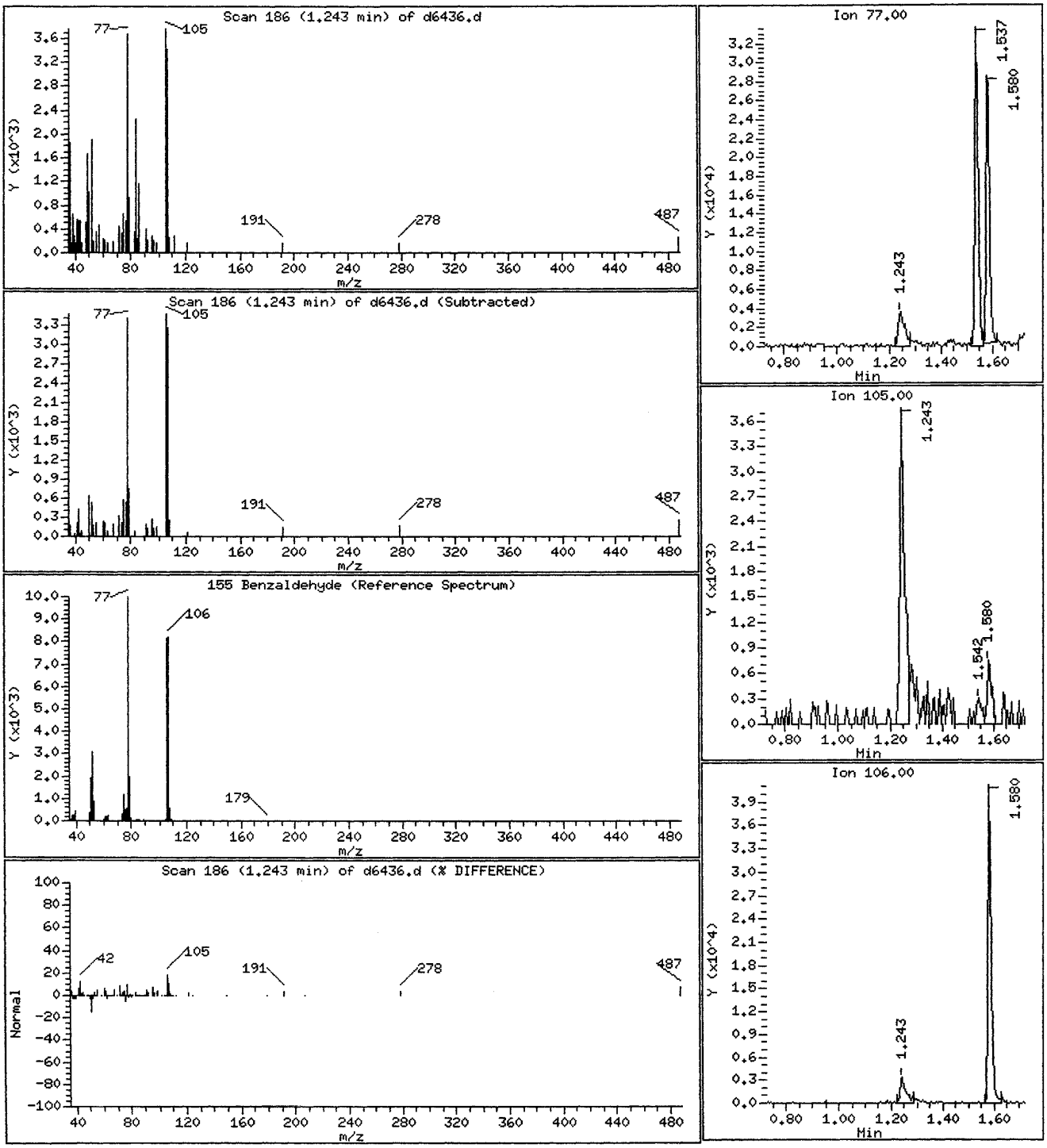
Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 0.25

155 Benzaldehyde

Concentration: 1.03 ug/L



Data File: /var/chem/MSSV5.i/2080609.s.b/d6436.d

Date : 09-JUN-2008 13:46

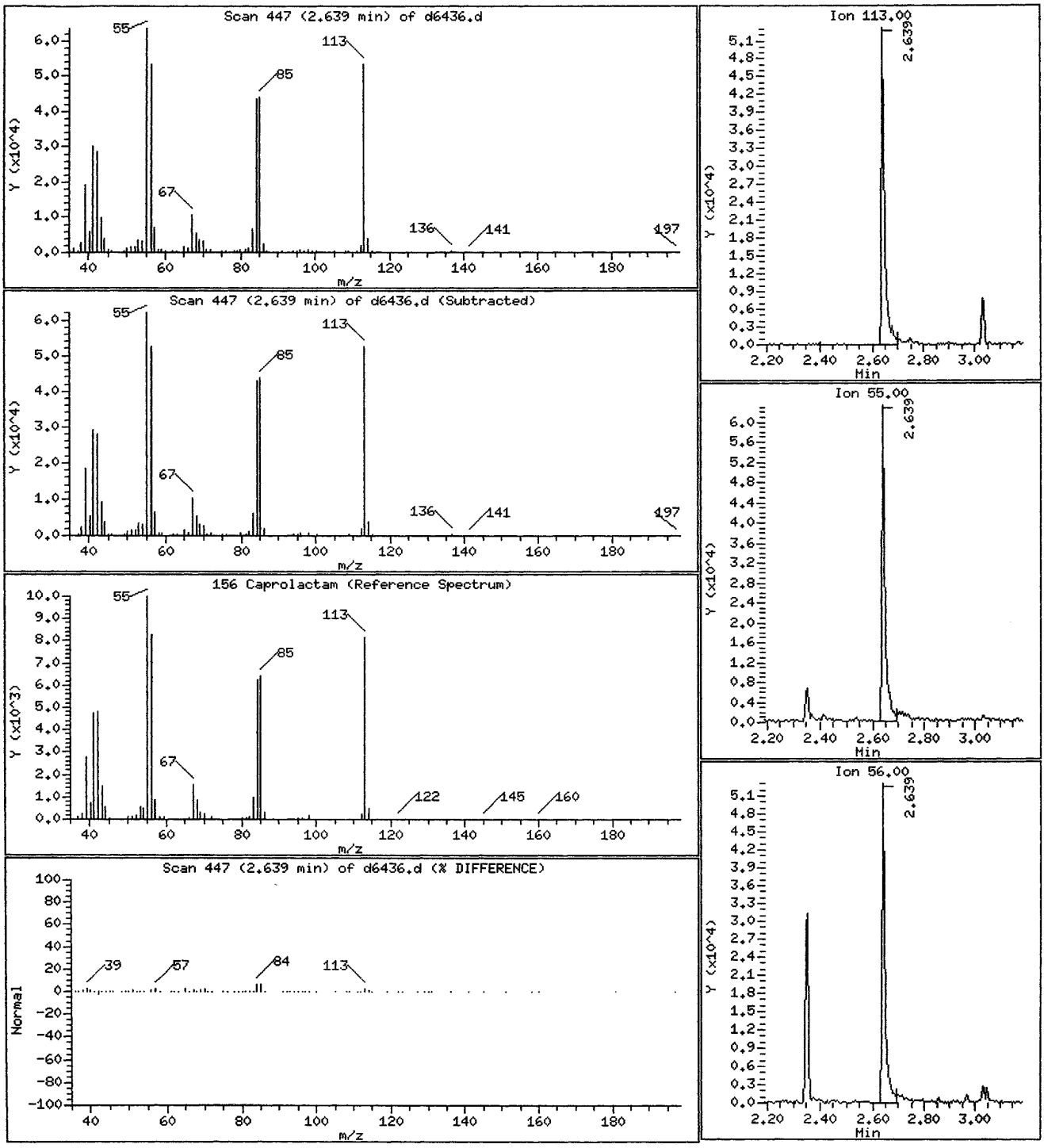
Client ID: 20806052212 Instrument: MSSV5.i

Sample Info: 20806052212*4482*

Volume Injected (uL): 1.0 Operator: KCB

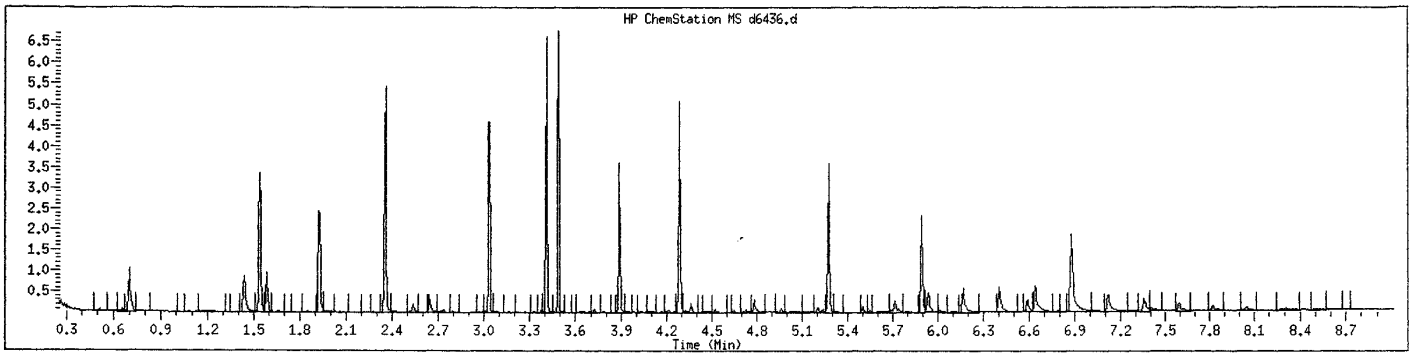
Column phase: RTX-5MS-30M Column diameter: 0.25

156 Caprolactam Concentration: 12.5 ug/L



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052212 SampleType : SAMPLE
Injection Date: 06/09/2008 13:46 Instrument : MSSV5.i
Operator : KCB
Sample Info : 20806052212*4482*
Misc Info : 20806052212*MSSV~5025~*060522*980-1*375086*
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

170664

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Water
Sample wt/vol: 990 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: SE-060408-FB
Contract:
Lab File ID: 2080609/d6437
Lab Sample ID: 20806052213
Date Collected: 06/04/08 Time: 1535
Date Received: 06/05/08
Date Extracted: 06/07/08
Date Analyzed: 06/09/08 Time: 1402
Dilution Factor: 1 Analyst: KCB
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375086 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.010	U	0.000206	0.010
95-95-4	2,4,5-Trichlorophenol	0.010	U	0.000410	0.010
88-06-2	2,4,6-Trichlorophenol	0.010	U	0.000424	0.010
120-83-2	2,4-Dichlorophenol	0.010	U	0.000391	0.010
51-28-5	2,4-Dinitrophenol	0.051	U	0.00114	0.051
121-14-2	2,4-Dinitrotoluene	0.010	U	0.000468	0.010
606-20-2	2,6-Dinitrotoluene	0.010	U	0.000415	0.010
91-58-7	2-Chloronaphthalene	0.010	U	0.000347	0.010
95-57-8	2-Chlorophenol	0.010	U	0.000348	0.010
91-57-6	2-Methylnaphthalene	0.010	U	0.000103	0.010
88-74-4	2-Nitroaniline	0.051	U	0.000269	0.051
88-75-5	2-Nitrophenol	0.010	U	0.000527	0.010
91-94-1	3,3'-Dichlorobenzidine	0.020	U	0.00210	0.020
99-09-2	3-Nitroaniline	0.051	U	0.000404	0.051
534-52-1	2-Methyl-4,6-dinitrophenol	0.051	U	0.000287	0.051
59-50-7	4-Chloro-3-methylphenol	0.010	U	0.000413	0.010
106-47-8	4-Chloroaniline	0.010	U	0.000794	0.010
7005-72-3	4-Chlorophenyl-phenylether	0.010	U	0.000350	0.010
83-32-9	Acenaphthene	0.010	U	0.000137	0.010
208-96-8	Acenaphthylene	0.010	U	0.000089	0.010
98-86-2	Acetophenone	0.010	U	0.000374	0.010
62-53-3	Aniline	0.010	U	0.000562	0.010
120-12-7	Anthracene	0.010	U	0.000103	0.010
1912-24-9	Atrazine (Aatrex)	0.051	U	0.00207	0.051
100-52-7	Benzaldehyde	0.051	U	0.00122	0.051
92-87-5	Benzidine	0.051	U	0.00726	0.051
56-55-3	Benzo(a)anthracene	0.010	U	0.000080	0.010
50-32-8	Benzo(a)pyrene	0.010	U	0.000152	0.010
205-99-2	Benzo(b)fluoranthene	0.010	U	0.000166	0.010

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Water
Sample wt/vol: 990 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: SE-060408-FB
Contract:
Lab File ID: 2080609/d6437
Lab Sample ID: 20806052213
Date Collected: 06/04/08 Time: 1535
Date Received: 06/05/08
Date Extracted: 06/07/08
Date Analyzed: 06/09/08 Time: 1402
Dilution Factor: 1 Analyst: KCB
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375086 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.010	U	0.000142	0.010
207-08-9	Benzo(k)fluoranthene	0.010	U	0.000066	0.010
65-85-0	Benzoic acid	0.051	U	0.00101	0.051
100-51-6	Benzyl alcohol	0.010	U	0.000446	0.010
92-52-4	Biphenyl	0.010	U	0.000344	0.010
111-91-1	Bis(2-Chloroethoxy)methane	0.010	U	0.000243	0.010
111-44-4	Bis(2-Chloroethyl)ether	0.010	U	0.000475	0.010
108-60-1	bis(2-Chloroisopropyl)ether	0.010	U	0.000533	0.010
117-81-7	bis(2-ethylhexyl)phthalate	0.010	U	0.00193	0.010
101-55-3	4-Bromophenyl-phenylether	0.010	U	0.000370	0.010
85-68-7	Butylbenzylphthalate	0.010	U	0.000359	0.010
105-60-2	Caprolactam	0.010	U	0.00261	0.010
86-74-8	Carbazole	0.010	U	0.000296	0.010
218-01-9	Chrysene	0.010	U	0.000056	0.010
84-74-2	Di-n-butylphthalate	0.010	U	0.000953	0.010
117-84-0	Di-n-octylphthalate	0.010	U	0.000898	0.010
53-70-3	Dibenz(a,h)anthracene	0.010	U	0.000260	0.010
132-64-9	Dibenzofuran	0.010	U	0.000323	0.010
84-66-2	Diethylphthalate	0.010	U	0.000260	0.010
131-11-3	Dimethyl-phthalate	0.010	U	0.000208	0.010
105-67-9	2,4-Dimethylphenol	0.010	U	0.00132	0.010
206-44-0	Fluoranthene	0.010	U	0.000157	0.010
86-73-7	Fluorene	0.010	U	0.000111	0.010
118-74-1	Hexachlorobenzene	0.010	U	0.000258	0.010
77-47-4	Hexachlorocyclopentadiene	0.010	U	0.000603	0.010
67-72-1	Hexachloroethane	0.010	U	0.000850	0.010
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	U	0.000160	0.010
78-59-1	Isophorone	0.010	U	0.000243	0.010
100-01-6	4-Nitroaniline	0.051	U	0.000569	0.051

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Water
Sample wt/vol: 990 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: SE-060408-FB
Contract:
Lab File ID: 2080609/d6437
Lab Sample ID: 20806052213
Date Collected: 06/04/08 Time: 1535
Date Received: 06/05/08
Date Extracted: 06/07/08
Date Analyzed: 06/09/08 Time: 1402
Dilution Factor: 1 Analyst: KCB
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375086 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.010	U	0.000365	0.010
100-02-7	4-Nitrophenol	0.051	U	0.00203	0.051
87-86-5	Pentachlorophenol	0.051	U	0.00107	0.051
85-01-8	Phenanthrene	0.010	U	0.000138	0.010
108-95-2	Phenol	0.010	U	0.000329	0.010
129-00-0	Pyrene	0.010	U	0.000090	0.010
110-86-1	Pyridine	0.010	U	0.000353	0.010
1319-77-3M	m,p-Cresol	0.010	U	0.000298	0.010
621-64-7	N-Nitroso-di-n-propylamine	0.010	U	0.000316	0.010
62-75-9	N-Nitrosodimethylamine	0.010	U	0.00102	0.010
86-30-6	N-Nitrosodiphenylamine	0.010	U	0.000515	0.010
95-48-7	o-Cresol	0.010	U	0.000330	0.010

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080609.s.b/d6437.d
Lab Smp Id: 20806052213 Client Smp ID: 20806052213
Inj Date : 09-JUN-2008 14:02
Operator : KCB Inst ID: MSSV5.i
Smp Info : 20806052213*4482*
Misc Info : 20806052213*MSSV~5025~*060522*990-1*375086*
Comment :
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Meth Date : 09-Jun-2008 10:06 root Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.d
Als bottle: 13
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	990.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

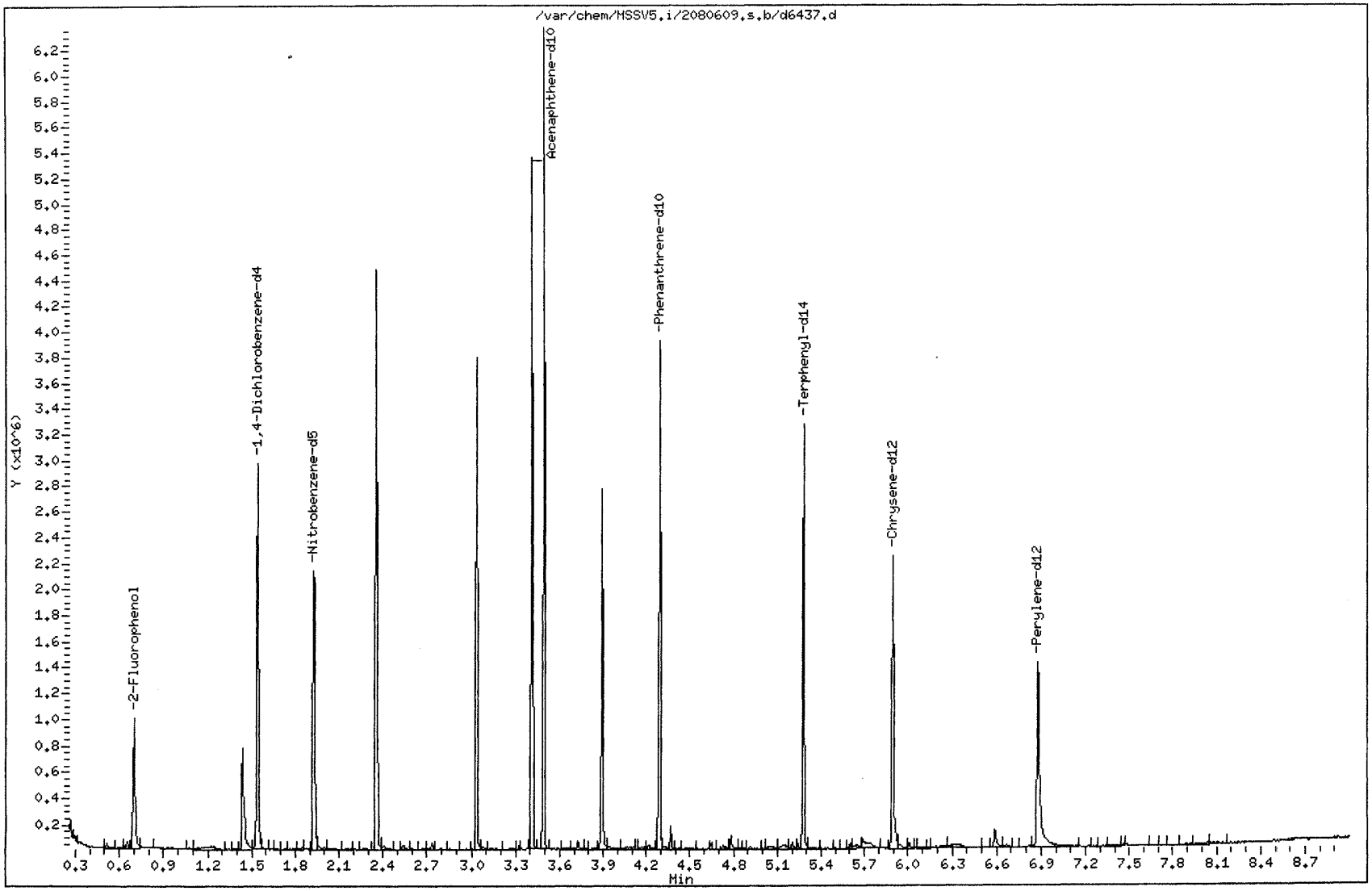
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
$	3 2-Fluorophenol	112	0.697	0.697	(0.454)	237899	26.9570	27.2
$	4 Phenol-d5	99	1.436	1.425	(0.934)	319110	15.7802	15.9
*	10 1,4-Dichlorobenzene-d4	152	1.537	1.537	(1.000)	394905	40.0000	
$	19 Nitrobenzene-d5	82	1.922	1.927	(0.816)	742546	41.2079	41.6
*	28 Naphthalene-d8	136	2.355	2.355	(1.000)	1385032	40.0000	
$	37 2-Fluorobiphenyl	172	3.035	3.035	(0.890)	906602	40.6889	41.1
*	44 Acenaphthene-d10	164	3.409	3.414	(1.000)	714309	40.0000	
$	57 2,4,6-Tribromophenol	332	3.891	3.896	(1.141)	199669	74.5754	75.3
*	61 Phenanthrene-d10	188	4.292	4.292	(1.000)	1072422	40.0000	
$	70 Terphenyl-d14	244	5.276	5.276	(0.895)	792495	44.6554	45.1
*	74 Chrysene-d12	240	5.896	5.902	(1.000)	791426	40.0000	
*	81 Perylene-d12	264	6.875	6.880	(1.000)	589817	40.0000	

170668

Data File: /var/chem/MSSV5.i/2080609.s.b/d6437.d
Date : 09-JUN-2008 14:02
Client ID: 20806052213
Sample Info: 20806052213*4482*
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

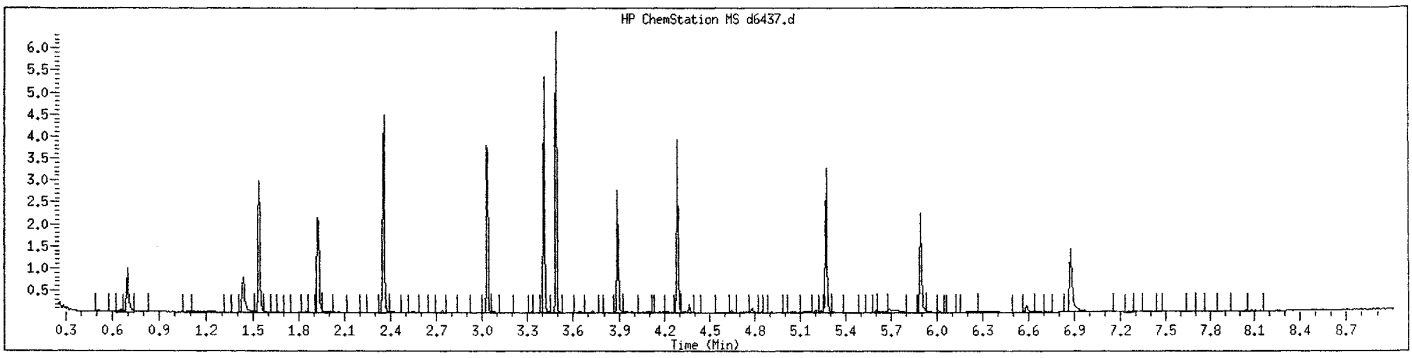
Instrument: MSSV5.i
Operator: KCB
Column diameter: 0.25



170669

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052213 SampleType : SAMPLE
Injection Date: 06/09/2008 14:02 Instrument : MSSV5.i
Operator : KCB
Sample Info : 20806052213*4482*
Misc Info : 20806052213*MSSV~5025~*060522*990-1*375086*
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

170670

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 03-APR-2008 09:18
End Cal Date : 05-JUN-2008 12:01
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Cal Date : 13-Jun-2008 11:45 rjo

Global Auto Calibration Mode = AUTO CALIBRATE ONLY

Calibration File Names:
Level 1: /var/chem/MSSV5.i/2080602.s.b/d6208.d
Level 2: /var/chem/MSSV5.i/2080602.s.b/d6207.d
Level 3: /var/chem/MSSV5.i/2080605.s.b/d6338.d
Level 4: /var/chem/MSSV5.i/2080605.s.b/d6334.d
Level 5: /var/chem/MSSV5.i/2080605.s.b/d6333.d
Level 6: /var/chem/MSSV5.i/2080605.s.b/d6335.d
Level 7: /var/chem/MSSV5.i/2080605.s.b/d6336.d
Level 8: /var/chem/MSSV5.i/2080605.s.b/d6337.d
Level 9: /var/chem/MSSV5.i/2080515.s.b/d5485.d

Compound	0.2000000 Level 1	1.0000 Level 2	2.0000 Level 3	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	m1	m2	%RSD or R^2
	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
1 n-Nitrosodimethylamine	764	3245	7902	17451	50885	108766						
	226008	+++++	+++++				QUA	NO	-0.06950	15.28806	-19.07288	0.99105
2 Pyridine	1224	7838	13381	52680	526950	735644						
	1146539	+++++	+++++				QUA	NO	0.02215	1.68964	-0.12924	0.99732
5 Aniline	10432	33796	62438	325526	1043782	1575901						
	1763650	2450094	2470131				QUA	NO	0.03759	0.22943	0.21479	0.99170

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 03-APR-2008 09:18
End Cal Date : 05-JUN-2008 12:01
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Cal Date : 13-Jun-2008 11:45 rjo

Global Auto Calibration Mode = AUTO CALIBRATE ONLY

Compound	0.2000000 Level 1 / 120.0000 Level 7	1.0000 Level 2 / 160.0000 Level 8	2.0000 Level 3 / 200.0000 Level 9	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
6 Phenol +	+++++ / 2.27448	+++++ / 2.31154	2.06324 / 2.26297	2.32683	2.13002	2.26329	AVG	N\A		2.23320		4.40009
7 bis(-2-Chloroethyl)Ether	+++++ / 1.18147	+++++ / 1.22736	1.11406 / 1.20222	1.16001	1.09199	1.19508	AVG	N\A		1.16746		4.19024
8 2-Chlorophenol	+++++ / 1.31493	+++++ / 1.33677	1.26549 / 1.29756	1.33338	1.24341	1.31893	AVG	N\A		1.30150		2.70414
9 1,3-Dichlorobenzene	+++++ / 1.53503	+++++ / 1.57173	1.59550 / 1.54164	1.51527	1.41276	1.54490	AVG	N\A		1.53098		3.80576
11 1,4-Dichlorobenzene +	+++++ / 1.55860	+++++ / 1.60106	1.52167 / 1.55974	1.50013	1.43081	1.56555	AVG	N\A		1.53394		3.64005
12 Benzyl alcohol	+++++ / 1.05387	+++++ / 1.06531	+++++ / 1.02287	1.09956	0.97458	1.05985	AVG	N\A		1.04601		4.08559
13 1,2-Dichlorobenzene	+++++ / 1.47932	+++++ / 1.53311	1.42533 / 1.47669	1.44446	1.34207	1.47458	AVG	N\A		1.45365		4.09653

GCAL, Inc.

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Method file : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Cal Date : 13-Jun-2008 11:45 rjo

Global Auto Calibration Mode = AUTO CALIBRATE ONLY

Compound	0.2000000 Level 1	1.0000 Level 2	2.0000 Level 3	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	m1	m2	%RSD or R^2
	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
14 Bis(2-chloroisopropyl)ether	+++++	+++++	1.53483	1.60388	1.47119	1.58493						
	1.58357	1.66045	1.63100				AVG	N\A		1.58141		3.96142
15 2-Methylphenol	+++++	+++++	1.42426	1.51163	1.34971	1.46760						
	1.45772	1.17144	+++++				AVG	N\A		1.39706		8.80546
16 N-Nitroso-di-n-propylamine+	+++++	+++++	1.40961	1.44091	1.26856	1.35366						
	1.38728	1.38658	1.32310				AVG	N\A		1.36710		4.20936
17 3- & 4-Methylphenol	+++++	+++++	1.52205	1.58683	1.35944	1.49952						
	1.47133	1.48991	1.37768				AVG	N\A		1.47239		5.42860
18 Hexachloroethane	+++++	+++++	0.68651	0.68908	0.62042	0.68868						
	0.66329	0.68350	0.66617				AVG	N\A		0.67109		3.68893
20 Nitrobenzene	+++++	0.84270	0.75244	0.76358	0.69972	0.76331						
	0.75564	0.75080	0.74533				AVG	N\A		0.75919		5.18968
21 Isophorone	+++++	1.17266	0.98500	0.98607	0.85824	1.00592						
	0.98227	0.95140	0.94411				AVG	N\A		0.98571		8.95393

GCAL, Inc.

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Global Auto Calibration Mode = AUTO CALIBRATE ONLY

Compound	0.2000000 Level 1 / 120.0000 Level 7	1.0000 Level 2 / 160.0000 Level 8	2.0000 Level 3 / 200.0000 Level 9	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
22 2-Nitrophenol +	+++++ / 0.18895	+++++ / 0.18770	0.17096 / 0.18799	0.18604	0.17248	0.18893	AVG	N\A		0.18329		4.35201
23 2,4-Dimethyphenol	+++++ / 0.46427	+++++ / 0.44925	0.43188 / 0.45066	0.46390	0.42514	0.47219	AVG	N\A		0.45104		3.87094
24 bis(-2-Chloroethoxy)methane	+++++ / 0.55709	+++++ / 0.55976	0.51950 / 0.56104	0.55597	0.50494	0.56520	AVG	N\A		0.54622		4.35434
25 Benzoic Acid	+++++ / 944108	+++++ / 1497702	+++++ / 1599881	52894	314863	667955	QUA	NO	0.28307	5.15385	1.08593	0.99212
26 2,4-Dichlorophenol +	+++++ / 0.27417	+++++ / 0.26904	0.26149 / 0.25943	0.27943	0.23969	0.27346	AVG	N\A		0.26524		5.01916
27 1,2,4-Trichlorobenzene	+++++ / 0.33059	+++++ / 0.33511	0.33268 / 0.33997	0.34187	0.31064	0.33487	AVG	N\A		0.33225		3.10190
29 Naphthalene	+++++ / 1.07051	1.26262 / 0.84581	1.05535 / +++++	1.04049	0.96071	1.06204	AVG	N\A		1.04250		12.08053

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GCAL, Inc.

INITIAL CALIBRATION DATA

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Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Cal Date : 13-Jun-2008 11:45 rjo

Global Auto Calibration Mode = AUTO CALIBRATE ONLY

Compound	0.2000000 Level 1	1.0000 Level 2	2.0000 Level 3	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	m1	m2	%RSD or R^2
	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
30 4-Chloroaniline	7231	21503	37159	201545	755956	1168191						
	1401823	1904093	+++++				QUA	NO	0.01696	2.32908	2.73039	0.99572
31 Hexachlorobutadiene +	5267	14792	27004	119019	588925	952738						
	1304832	2057606	2394645				LNR	NO	0.02564	0.22838		0.99942
32 4-Chloro-3-Methylphenol +	+++++	+++++	0.33931	0.35695	0.31055	0.34684						
	0.34197	0.32846	0.30351				AVG	N\A		0.33251		5.85993
33 2-Methylnaphthalene	14357	42024	77971	478646	1752754	2895696						
	3945378	7801505	8672273				QUA	NO	-0.01040	1.64034	-0.11365	0.99526
34 Hexachlorocyclopentadiene +	+++++	+++++	7265	63552	490289	834749						
	1174023	1883812	2082501				LNR	NO	0.15867	0.42583		0.99628
35 2,4,6-Trichlorophenol +	+++++	+++++	0.32132	0.35754	0.33467	0.37098						
	0.36447	0.37252	0.37030				AVG	N\A		0.35597		5.65792
36 2,4,5-Trichlorphenol	+++++	+++++	0.33158	0.36048	0.33567	0.39116						
	0.39545	0.38326	0.36719				AVG	N\A		0.36640		6.98860

GCAL, Inc.

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Compound	0.2000000 Level 1	1.0000 Level 2	2.0000 Level 3	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
38 2-Chloronaphthalene	+++++	+++++	1.16466	1.15450	1.01392	1.12285						
	1.11238	1.12280	1.11916				AVG	N\A		1.11575		4.38875
39 2-Nitroaniline	+++++	+++++	0.34053	0.37219	0.32440	0.36676						
	0.36986	0.36765	0.35162				AVG	N\A		0.35614		5.07823
40 Dimethylphthalate	+++++	+++++	1.12631	1.17384	1.05150	1.16366						
	1.14259	1.14678	1.15123				AVG	N\A		1.13656		3.55962
41 2,6-Dinitrotoluene	+++++	+++++	0.34413	0.37668	0.32410	0.36693						
	0.36088	0.36141	0.35559				AVG	N\A		0.35568		4.81242
42 Acenaphthylene	+++++	2.07773	1.73095	1.63795	1.60030	1.59847						
	1.55098	1.37418	1.40222				AVG	N\A		1.62160		13.50273
43 3-Nitroaniline	+++++	+++++	+++++	0.27722	0.23650	0.25039						
	0.25178	0.24246	0.22767				AVG	N\A		0.24767		6.87375
45 Acenaphthene +	+++++	1.30349	1.06930	1.11655	0.95324	1.04849						
	1.04186	1.04587	1.05339				AVG	N\A		1.07902		9.38450

GCAL, Inc.

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Compound	0.2000000 Level 1	1.0000 Level 2	2.0000 Level 3	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	m1	m2	%RSD or R^2
	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
46 2,4-Dinitrophenol ++	+++++	+++++	1557	28046	208099	382366						
	549090	826963	926556				LNR	NO	0.15093	0.18990		0.99691
47 Dibenzofuran	+++++	+++++	1.45117	1.56179	1.33635	1.49621						
	1.50944	1.34944	1.39148				AVG	N\A		1.44227		5.95110
48 2,4-Dinitrotoluene	+++++	+++++	0.34413	0.37668	0.32410	0.36693						
	0.36088	0.36141	0.35559				AVG	N\A		0.35568		4.81242
49 4-Nitrophenol ++	+++++	+++++	+++++	0.11717	0.12430	0.15989						
	0.16144	0.16821	0.15618				AVG	N\A		0.14786		14.53610
50 Diethylphthalate	+++++	+++++	1.12832	1.14107	0.96345	1.07620						
	1.04485	1.02221	1.00587				AVG	N\A		1.05457		6.14605
51 Fluorene	+++++	1.39270	1.19397	1.21163	1.04162	1.15992						
	1.14820	1.13998	1.14158				AVG	N\A		1.17870		8.48775
52 4-Chlorophenyl-phenylether	+++++	+++++	0.56861	0.60350	0.51392	0.58000						
	0.56283	0.59190	0.57433				AVG	N\A		0.57073		5.01474

GCAL, Inc.

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Compound	0.2000000 Level 1	1.0000 Level 2	2.0000 Level 3	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	m1	m2	%RSD or R^2
	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
53 4-Nitroaniline	+++++	+++++	+++++	0.26704	0.21704	0.25902						
	0.24934	0.24493	0.23475				AVG	N\A		0.24535		7.26173
54 4,6-Dinitro-o-cresol	+++++	+++++	8298	53991	287876	508380						
	691805	980886	1105064				LNR	NO	0.08875	0.15488		0.99870
55 N-nitrosodiphenylamine (1)+	+++++	+++++	0.47171	0.50085	0.44841	0.50765						
	0.50442	0.52930	0.52134				AVG	N\A		0.49767		5.69278
56 Azobenzene	+++++	+++++	1.26112	1.21372	1.15337	1.26617						
	1.28394	1.21958	1.08863				AVG	N\A		1.21236		5.75822
58 4-Bromophenyl-phenylether	+++++	+++++	0.17628	0.17928	0.16516	0.18173						
	0.18621	0.19193	0.20104				AVG	N\A		0.18309		6.28376
59 Hexachlorobenzene	+++++	0.29150	0.22235	0.21947	0.20077	0.22764						
	0.22566	0.23937	0.25183				AVG	N\A		0.23482		11.61587
60 Pentachlorophenol +	+++++	2699	7450	46413	271817	465296						
	670937	955904	1075298				LNR	NO	0.09685	0.15036		0.99804

GCAL, Inc.

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Global Auto Calibration Mode = AUTO CALIBRATE ONLY

	Compound	0.2000000 Level 1	1.0000 Level 2	2.0000 Level 3	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	m1	m2	%RSD or R^2
		120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
	62 Phenanthrene	+++++	1.30967	1.15642	0.97155	0.89721	0.98953						
		1.00240	0.98424	0.95143				AVG	N\A		1.03280		12.98248
	63 Anthracene	+++++	1.27326	1.11356	0.99264	0.86912	0.97230						
		1.00398	0.94030	0.87562				AVG	N\A		1.00510		13.26122
	64 Carbazole	+++++	+++++	1.01338	0.84902	0.79266	0.87588						
		0.88131	0.86550	0.85710				AVG	N\A		0.87641		7.66002
	65 Di-n-butylphthalate	+++++	+++++	0.97548	1.01868	0.95367	1.07417						
		1.09835	1.04735	0.94534				AVG	N\A		1.01615		5.91480
M	66 Total Methylphenol	+++++	+++++	1.47315	1.54923	1.35457	1.48356						
		1.46452	1.33068	1.27556				AVG	N\A		1.41875		6.96916
	67 Fluoranthene +	+++++	1.25510	1.01714	0.98961	0.88596	0.99134						
		1.05191	0.95655	0.97861				AVG	N\A		1.01578		10.62941
	68 Benzidine	+++++	+++++	+++++	+++++	0.01241	0.02427						
		0.01620	0.02248	0.02951				AVG	N\A		0.02098		32.16903

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	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
69 Pyrene	+++++	1.82028	1.51058	1.36140	1.18288	1.26977						
	1.33229	1.22104	1.37638				AVG	N\A		1.38433		14.69449
71 Butylbenzylphthalate	+++++	+++++	0.50220	0.52682	0.50090	0.55770						
	0.56083	0.55606	0.56454				AVG	N\A		0.53843		5.21003
72 Benzo(a)anthracene	+++++	45321	77778	333103	1682274	3023779						
	4111783	5656266	6218428				LNR	NO	0.07005	1.18247		0.99695
73 3,3'-Dichlorobenzidine	+++++	+++++	0.35297	0.36199	0.31241	0.36730						
	0.33418	0.33485	0.32740				AVG	N\A		0.34159		5.80571
75 Chrysene	+++++	1.67876	1.33571	1.26592	1.08902	1.24860						
	1.25191	1.33120	1.25537				AVG	N\A		1.30706		12.86498
76 bis(2-Ethylhexyl)phthalate	+++++	+++++	0.61062	0.68552	0.62076	0.70257						
	0.71421	0.71060	0.72236				AVG	N\A		0.68095		6.77162
77 Di-n-octylphthalate +	+++++	+++++	51329	295798	1786125	3008214						
	4141904	6139216	6413118				LNR	NO	0.12393	1.24874		0.99795

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	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
78 Benzo(b)fluoranthene	+++++	20509	29730	199827	1256428	2248834						
	3566470	5803558	5600412				QUA	NO	0.09948	0.91805	-0.02006	0.99181
79 Benzo(k)fluoranthene	+++++	1.41562	1.29504	1.49832	1.35118	1.72924						
	1.64046	1.56976	1.75564				AVG	N\A		1.53191		11.18822
80 Benzo(a)pyrene +	6009	18503	32151	194820	1401499	2646311						
	3628649	5701943	6014265				LNR	NO	0.09391	1.26848		0.99676
82 Indeno(1,2,3-cd)pyrene	+++++	+++++	21241	115173	879026	1827155						
	2786701	5079521	6637751				QUA	NO	0.18043	1.42763	-0.10688	0.99462
83 Dibenzo(a,h)anthracene	+++++	13890	31260	168324	1439744	2673597						
	3823900	6348845	6884582				QUA	NO	0.08737	0.86598	-0.02651	0.99779
84 Benzo(g,h,i)perylene	+++++	16832	34455	250123	1816694	3265697						
	4303896	7438797	7918320				QUA	NO	0.06109	0.74092	-0.01824	0.99791
85 2-Picoline	+++++	+++++	+++++	0.64700	0.70246	0.61784						
	0.56640	0.56477	0.59477				AVG	N\A		0.61554		8.58868

GCAL, Inc.

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86 N-Nitrosomethylethylamine	+++++ / 0.19772	+++++ / 0.17277	+++++ / 0.19379	0.19447	0.21615	0.20415	AVG	N\A		0.19651		7.27141
87 Methyl methanesulfonate	+++++ / 0.37695	+++++ / 0.36723	+++++ / 0.35151	0.39462	0.43124	0.41892	AVG	N\A		0.39008		7.88361
88 N-Nitrosodiethylamine	+++++ / 0.62748	+++++ / 0.62746	+++++ / 0.61093	0.67125	0.69312	0.65626	AVG	N\A		0.64775		4.81396
89 Ethyl methanesulfonate	+++++ / 1.45454	+++++ / 1.45250	+++++ / 1.39514	1.55626	1.60687	1.58055	AVG	N\A		1.50764		5.63143
90 Pentachloroethane	+++++ / 0.54868	+++++ / 0.53524	+++++ / 0.55633	0.58236	0.60608	0.57604	AVG	N\A		0.56746		4.52904
91 Acetophenone	+++++ / 1.98144	+++++ / 2.03131	1.97187 / 1.95783	2.07297	1.84258	2.01071	AVG	N\A		1.98125		3.66599
92 O-Toluidine	+++++ / 4162252	+++++ / 5446229	+++++ / 3847468	374808	1876613	3097281	QUA	NO	0.08030	0.22875	0.03602	0.99810

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 03-APR-2008 09:18
End Cal Date : 05-JUN-2008 12:01
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Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Cal Date : 13-Jun-2008 11:45 rjo

Global Auto Calibration Mode = AUTO CALIBRATE ONLY

Compound	0.2000000 Level 1 / 120.0000 Level 7	1.0000 Level 2 / 160.0000 Level 8	2.0000 Level 3 / 200.0000 Level 9	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	m1	m2	%RSD or R^2
93 N-Nitrosomorpholine	+++++ / 0.83198	+++++ / 0.84937	+++++ / 0.80339	0.95823	0.98902	0.94709	AVG	N\A		0.89652		8.63766
94 N-Nitrosopiperidine	+++++ / 0.23337	+++++ / 0.22950	+++++ / 0.23219	0.25593	0.26339	0.25628	AVG	N\A		0.24511		6.11745
95 0,0,0-Triethylphosphorothio	+++++ / 0.18792	+++++ / 0.19482	+++++ / 0.19273	0.19673	0.20335	0.20490	AVG	N\A		0.19674		3.27660
96 Alpha,Alpha-Dimethylpheneth	+++++ / 0.07464	+++++ / 0.12746	+++++ / 0.21519	0.00094	0.00746	0.09797	AVG	N\A		0.08728		91.76817
97 Hexachloropropene	+++++ / 0.27624	+++++ / 0.27269	+++++ / 0.27586	0.27405	0.29618	0.28911	AVG	N\A		0.28069		3.42519
98 2,6-Dichlorophenol	+++++ / 0.26804	+++++ / 0.26563	+++++ / 0.26641	0.29336	0.30393	0.29654	AVG	N\A		0.28232		6.18941
99 N-Nitrosodi-n-butylamine	+++++ / 0.35354	+++++ / 0.35207	+++++ / 0.36258	0.38690	0.39483	0.38000	AVG	N\A		0.37165		4.86300

GCAL, Inc.

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Cal Date : 13-Jun-2008 11:45 rjo

Global Auto Calibration Mode = AUTO CALIBRATE ONLY

Compound	0.2000000 Level 1	1.0000 Level 2	2.0000 Level 3	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
100 p-Phenylenediamine	+++++	+++++	+++++	+++++	0.10564	0.06473						
	0.04301	0.03192	0.02573				AVG	N\A		0.05421		59.70280
101 Isosafrole	+++++	+++++	+++++	0.14766	0.15797	0.14926						
	0.14092	0.13628	0.13913				AVG	N\A		0.14520		5.51114
102 1,2,4,5-Tetrachlorobenzene	+++++	+++++	4272	171514	920041	1593220						
	2243386	3134683	2391471				LNR	NO	-0.01179	0.66788		0.99846
103 Safrole	+++++	+++++	+++++	1.39806	1.93301	2.61383						
	2.52048	1.61984	1.53094				AVG	N\A		1.93603		26.88394
104 1,4-Naphthoquinone	+++++	+++++	+++++	0.40377	0.37282	0.30955						
	0.21980	0.15796	+++++				AVG	N\A		0.29278		35.21038
105 m-Dinitrobenzene	+++++	+++++	1118	57159	322229	539207						
	717119	1002848	900157				QUA	NO	-0.03569	4.94847	-0.63156	0.99566
106 Pentachlorobenzene	+++++	+++++	+++++	0.51027	0.53433	0.54104						
	0.51749	0.52494	0.51927				AVG	N\A		0.52456		2.17230

GCAL, Inc.

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Compound	0.2000000 Level 1	1.0000 Level 2	2.0000 Level 3	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	m1	m2	%RSD or R^2
	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
107 2-Napthylamine	+++++	+++++	5448	288085	1466187	2329167						
	2942917	3842046	3383384				QUA	NO	-0.05804	1.09064	0.00781	0.99054
108 2,3,4,6-Tetrachlorophenol	+++++	+++++	1081	62945	376395	613574						
	813710	1168289	1038335				QUA	NO	-0.03201	4.31334	-0.49669	0.99592
109 1-Naphthylamine	+++++	+++++	6789	288280	1474988	2241120						
	2779813	3573834	+++++				QUA	NO	0.05600	0.58440	0.22033	0.99977
110 Thionazin	+++++	+++++	+++++	0.29905	0.30832	0.29856						
	0.27642	0.26268	0.31082				AVG	N\A		0.29264		6.50796
111 5-Nitro-o-toluidine	+++++	+++++	+++++	0.33605	0.32649	0.30896						
	0.27568	0.26915	0.32553				AVG	N\A		0.30698		9.19607
112 Tetraethyldithiopyrophospha	+++++	+++++	+++++	0.22568	0.22774	0.23737						
	0.21718	0.22460	0.25864				AVG	N\A		0.23187		6.31224
113 Diallate	+++++	+++++	+++++	0.52965	0.55917	0.56097						
	0.53875	0.51896	0.47820				AVG	N\A		0.53095		5.76614

GCAL, Inc.

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	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
114 Phorate	+++++	+++++	+++++	0.80560	0.85964	0.88467						
	0.79764	0.82690	0.73503				AVG	N\A		0.81825		6.39971
115 sym-Trinitrobenzene	+++++	+++++	+++++	0.06285	0.07099	+++++						
	0.06824	0.06953	0.05847				AVG	N\A		0.06602		7.90457
116 Phenacetin	+++++	+++++	+++++	0.43006	0.44689	0.45835						
	0.43282	0.39328	0.43832				AVG	N\A		0.43329		5.10911
117 Dimethoate	+++++	+++++	+++++	0.42432	0.41923	0.41681						
	0.38831	0.34809	0.39797				AVG	N\A		0.39912		7.15280
118 Pentachloronitrobenzene	+++++	+++++	+++++	0.10062	0.10609	0.10829						
	0.10076	0.09954	0.09797				AVG	N\A		0.10221		3.95623
119 4-Aminobiphenyl	+++++	+++++	+++++	0.68090	0.75662	0.72905						
	0.72032	0.69580	0.66693				AVG	N\A		0.70827		4.69458
120 Pronamide	+++++	+++++	+++++	0.34373	0.36152	0.36228						
	0.35029	0.33659	0.36484				AVG	N\A		0.35321		3.25604

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GCAL, Inc.

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Compound	0.2000000 Level 1	1.0000 Level 2	2.0000 Level 3	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	m1	m2	%RSD or R^2
	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
121 Dinoseb	+++++	+++++	1103	63316	435096	767209						
	1016648	1502204	1443023				LNR	NO	0.09044	0.24393		0.99901
122 Disulfoton	+++++	+++++	+++++	0.57594	0.62694	0.61931						
	0.60592	0.57904	0.59218				AVG	N\A		0.59989		3.50686
123 Methyl parathion	+++++	+++++	+++++	0.31183	0.31807	0.31667						
	0.28997	0.27034	0.30220				AVG	N\A		0.30151		6.14398
124 4-Nitroquinoline-1-oxide	+++++	+++++	+++++	0.03019	0.06438	0.07302						
	0.06909	0.06582	0.08064				AVG	N\A		0.06386		27.39962
125 Parathion	+++++	+++++	+++++	0.17552	0.18265	0.19132						
	0.18401	0.17338	0.19474				AVG	N\A		0.18360		4.58636
126 Metapyrilene	+++++	+++++	+++++	0.44100	0.20980	0.14744						
	0.12417	0.12116	0.27126				AVG	N\A		0.21914		56.18303
127 Isodrin	+++++	+++++	+++++	0.13908	0.14173	0.14286						
	0.13825	0.13167	0.13670				AVG	N\A		0.13838		2.88556

GCAL, Inc.

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	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
128 Aramite	+++++	+++++	+++++	0.04950	0.05795	0.05693						
	0.05328	0.05204	0.04834				AVG	N\A		0.05301		7.30593
129 p-(Dimethylamino)azobenzene	+++++	+++++	+++++	0.46754	0.50048	0.47518						
	0.44741	0.42885	0.40462				AVG	N\A		0.45401		7.57002
130 Chlorobenzilate	+++++	+++++	+++++	0.43129	0.46209	0.45208						
	0.42403	0.42083	0.40097				AVG	N\A		0.43188		5.13588
131 Famphur	+++++	+++++	+++++	0.55950	0.34032	0.22692						
	0.14586	0.08271	+++++				AVG	N\A		0.27106		69.28711
132 3,3'-Dimethyl benzidine	+++++	+++++	+++++	215572	986657	1518919						
	1763366	2187473	2380597				QUA	NO	0.22023	0.01249	1.09794	0.99955
133 2-Acetylaminofluorene	+++++	+++++	+++++	0.46318	0.58171	0.56358						
	0.56828	0.58672	0.59364				AVG	N\A		0.55952		8.67147
134 7,12-Dimethylbenz(a)anthrac	+++++	+++++	+++++	0.56121	0.65535	0.66464						
	0.62243	0.61503	0.62098				AVG	N\A		0.62327		5.85832

GCAL, Inc.

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	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
135 Hexachlorophene	+++++	+++++	+++++	+++++	91607	252426						
	426056	739955	1021481				QUA	NO	1.15809	29.90661	-24.69977	0.99872
136 3-Methyl cholanthrene	+++++	+++++	+++++	0.61133	0.76030	0.75502						
	0.72432	0.72660	0.74051				AVG	N\A		0.71968		7.64675
137 Acrylamide	+++++	+++++	0.13236	0.17496	0.20926	0.19067						
	0.18260	0.19046	+++++				AVG	N\A		0.18005		14.44202
138 N-Nitrosopyrrolidine	+++++	+++++	0.53137	0.46804	0.49713	0.50207						
	0.50127	0.49192	+++++				AVG	N\A		0.49863		4.08378
139 Pthalic Acid & Anhydride	+++++	+++++	+++++	0.12928	0.08114	0.12360						
	0.13404	0.13499	+++++				AVG	N\A		0.12061		18.67406
140 1,4-Dinitrobenzene	+++++	+++++	0.23009	0.22759	0.25744	0.26258						
	0.26478	0.26701	+++++				AVG	N\A		0.25158		7.12217
141 Kepone	+++++	+++++	+++++	0.06010	0.06370	0.06171						
	0.06213	0.06123	+++++				AVG	N\A		0.06177		2.12933

GCAL, Inc.

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142 4,4Methylenebis2chloroanali	+++++	+++++	0.14513	0.17259	0.17166	0.17981						
	0.18815	0.20057	+++++				AVG	N\A		0.17632		10.60640
143 Tris2,3Dibromopropylphospha	+++++	+++++	+++++	0.07763	0.09120	0.09726						
	0.10787	0.10851	+++++				AVG	N\A		0.09649		13.29539
144 Maleic Anhydride	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
145 1-Methylnapthalene	+++++	+++++	0.64628	0.62340	0.54184	0.58771						
	0.59257	0.59616	0.58931				AVG	N\A		0.59675		5.44402
M 146 Total Methylnapthalene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
147 N-methyldiethanolamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
148 A-Terpineol	+++++	+++++	+++++	65897	263618	+++++						
	635608	+++++	+++++				LNR	NO	-0.02984	0.90107		0.99998

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GCAL, Inc.

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	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
149 3/4-Chlorophenol	+++++	+++++	163219	568885	3532280	3535755						
	7734164	7161670	+++++				QUA	NO	-0.11822	1.11269	-0.02886	0.99886
151 2,3-Dichlorophenol	+++++	+++++	110486	334058	2464014	2046336						
	4975181	4984385	+++++				QUA	NO	-0.08162	0.92992	-0.04836	0.99610
152 2,5-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
153 3,4-Dichlorophenol	+++++	+++++	62700	256753	1791434	1477309						
	3680168	3785791	+++++				QUA	NO	-0.05787	2.47484	-0.35537	0.99745
154 Dimethyl Benzyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
155 Benzaldehyde	+++++	0.41224	0.27602	1.31142	0.41998	0.61212						
	0.40594	+++++	+++++				AVG	N\A		0.57295		65.86949
156 Caprolactam	+++++	+++++	0.07591	0.10319	0.09248	0.10302						
	0.08807	0.08341	0.08126				AVG	N\A		0.08962		11.79743

GCAL, Inc.

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	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
157 Biphenyl	+++++	+++++	0.77596	0.75063	0.66232	0.72504						
	0.70307	0.56396	0.60087				AVG	N\A		0.68312		11.45348
158 Atrazine	+++++	+++++	+++++	70282	140515	264202						
	358490	545373	755884				QUA	NO	-0.21781	16.86362	-13.13364	0.99395
159 Dicyclopentadiene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
169 Benzenethiol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
170 Indene	+++++	+++++	+++++	0.89991	0.74445	0.77997						
	0.70774	0.68914	0.68597				AVG	N\A		0.75120		10.81206
171 Quinoline	+++++	+++++	+++++	0.95658	0.93290	0.84755						
	0.81473	0.81322	0.86299				AVG	N\A		0.87133		6.93814
172 Methyl Chrysene	+++++	+++++	+++++	0.61584	0.76390	0.73031						
	0.82347	0.81030	0.81504				AVG	N\A		0.75981		10.40797

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GCAL, Inc.

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173 Dibenz(a,h)acridine	+++++	+++++	+++++	0.18281	0.23948	0.20151						
	0.22845	0.25902	0.25330				AVG	N\A		0.22743		13.15633
174 1,4-Dioxane	+++++	+++++	+++++	0.15555	0.14601	0.10573						
	0.20039	0.19846	0.15264				AVG	N\A		0.15980		22.25788
175 2,4and/or2,6-Diaminotoluene	+++++	+++++	+++++	0.76200	0.55289	0.51328						
	0.31930	0.19153	0.12275				AVG	N\A		0.41029		59.04708
185 2,3and/or3,4 Diaminotoluene	+++++	+++++	+++++	0.18321	0.12149	0.11344						
	0.02366	0.00482	0.00171				AVG	N\A		0.07472		101
176 4-t-Butyl Phenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
177 1,2,3,4-Tetrachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
178 2-Phenyl Phenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00

GCAL, Inc.

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Global Auto Calibration Mode = AUTO CALIBRATE ONLY

Compound	0.2000000 Level 1	1.0000 Level 2	2.0000 Level 3	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	m1	m2	%RSD or R^2
	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
179 Ronnel	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
180 Hexabromobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
181 Tolylene 2,6-Diisocyanate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
182 Tolylene 2,4-Diisocyanate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
183 Tolylene 2,5-diisocyanate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
M 184 Tolylene Diisocyanate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
186 Benzothiazole	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 03-APR-2008 09:18
End Cal Date : 05-JUN-2008 12:01
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Cal Date : 13-Jun-2008 11:45 rjo

Global Auto Calibration Mode = AUTO CALIBRATE ONLY

Compound	0.2000000 Level 1	1.0000 Level 2	2.0000 Level 3	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	m1	m2	%RSD or R^2
	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
187 2-3H Benzothiazolone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
188 2-3H Benzothiazolethione	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
189 2-tet-Butyl-4-methylphenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
190 Methylbenzothiazole	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
191 2,3,4-Trichlorophenol	+++++	+++++	50806	184227	1225954	1119033						
	2465159	2569825	+++++				QUA	NO	-0.08962	6.72496	-2.55443	0.99655
192 2,3,5,6-Tetrachlorophenol	+++++	+++++	37737	148431	1103595	974420						
	2318917	2417136	+++++				QUA	NO	-0.04270	3.85670	-0.86390	0.99888
193 3,4,5-Trichlorophenol	+++++	+++++	44993	162595	1230548	1021987						
	2378914	2509186	+++++				QUA	NO	-0.06790	3.70245	-0.78262	0.99694

623

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 03-APR-2008 09:18
End Cal Date : 05-JUN-2008 12:01
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Cal Date : 13-Jun-2008 11:45 rjo

Global Auto Calibration Mode = AUTO CALIBRATE ONLY

Compound	0.2000000 Level 1 / 120.0000 Level 7	1.0000 Level 2 / 160.0000 Level 8	2.0000 Level 3 / 200.0000 Level 9	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
194 Diphenyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
	+++++	+++++	+++++									
195 2,5/2,4-Dichlorophenol	+++++	+++++	92720	334058	2378792	2046336	QUA	NO	-0.13745	1.86530	-0.09820	0.99736
	4975181	4984385	+++++									
196 2,3,4,5-Tetrachlorophenol	+++++	+++++	40999	156688	1101965	981351	QUA	NO	-0.07120	2.00561	-0.23240	0.99747
	2306933	2406405	+++++									
197 Dimethylformamide	+++++	+++++	+++++	39784	110948	211475	QUA	NO	0.04176	1.28769	0.99141	0.99168
	255195	329609	363831									
198 4,4-Isopropylidene	+++++	+++++	+++++	0.49000	0.49660	0.38358	AVG	N\A		0.43151		12.09123
	0.43974	0.39530	0.38381									
$ 3 2-Fluorophenol	+++++	+++++	0.83993	0.89563	0.88663	0.96154	AVG	N\A		0.89390		4.63514
	0.86354	0.93320	0.87682									
$ 4 Phenol-d5	+++++	+++++	2.03741	2.05645	1.92401	2.09215	AVG	N\A		2.04830		5.13788
	1.97326	2.25141	2.00345									

170696

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 03-APR-2008 09:18
End Cal Date : 05-JUN-2008 12:01
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Cal Date : 13-Jun-2008 11:45 rjo

Global Auto Calibration Mode = AUTO CALIBRATE ONLY

Compound	0.2000000 Level 1	1.0000 Level 2	2.0000 Level 3	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	m1	m2	%RSD or R^2
	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
$ 19 Nitrobenzene-d5	+++++	+++++	+++++	0.53180	0.48301	0.52857						
	0.53170	0.52288	0.52447				AVG	N\A		0.52041		3.59020
$ 37 2-Fluorobiphenyl	+++++	+++++	+++++	1.22129	1.14965	1.26836						
	1.25934	1.29594	1.29170				AVG	N\A		1.24771		4.40996
$ 57 2,4,6-Tribromophenol	+++++	+++++	+++++	0.14194	0.13223	0.15380						
	0.15223	0.16209	0.15730				AVG	N\A		0.14993		7.30468
$ 70 Terphenyl-d14	+++++	+++++	+++++	0.89691	0.80900	0.88775						
	0.91790	0.90596	0.96423				AVG	N\A		0.89696		5.65559

925

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 03-APR-2008 09:18
End Cal Date : 05-JUN-2008 12:01
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Cal Date : 13-Jun-2008 11:45 rjo

Global Auto Calibration Mode = AUTO CALIBRATE ONLY

Average %RSD Results.
Calculated Average %RSD = 11.46980
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/MSSV5.i/2080602.s.b/d6197.d
Lab Smp Id: 1100 Client Smp ID: DFTPP
Inj Date : 02-JUN-2008 08:07
Operator : KCB Inst ID: MSSV5.i
Smp Info : 1100*35-6-6*
Misc Info : DFTPP*MSSV~5010~*
Comment :
Method : /var/chem/MSSV5.i/2080602.s.b/dftpp_05.m
Meth Date : 14-May-2008 08:59 root 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

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	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.591	4.430	0.161	198	318699			100.00- 100.00	100.00
4.591	4.430	0.161	51	117108			30.00- 60.00	36.75
4.591	4.430	0.161	68	2109			0.00- 2.00	1.21
4.591	4.430	0.161	69	174194			0.00- 0.00	54.66
4.591	4.430	0.161	70	1064			0.00- 2.00	0.61
4.591	4.430	0.161	127	160491			40.00- 60.00	50.36
4.591	4.430	0.161	197	1805			0.00- 1.00	0.57
4.591	4.430	0.161	199	19279			5.00- 9.00	6.05
4.591	4.430	0.161	275	79372			10.00- 30.00	24.91
4.591	4.430	0.161	365	9742			1.00- 0.00	3.06
4.591	4.430	0.161	441	28171			0.01- 99.99	74.37
4.591	4.430	0.161	442	197482			40.00- 100.00	61.97
4.591	4.430	0.161	443	37879			17.00- 23.00	19.18

170699

Data File: /var/chem/MSSV5.i/2080602.s.b/d6197.d

Page 1

Date : 02-JUN-2008 08:07

Client ID: DFTPP

Instrument: MSSV5.i

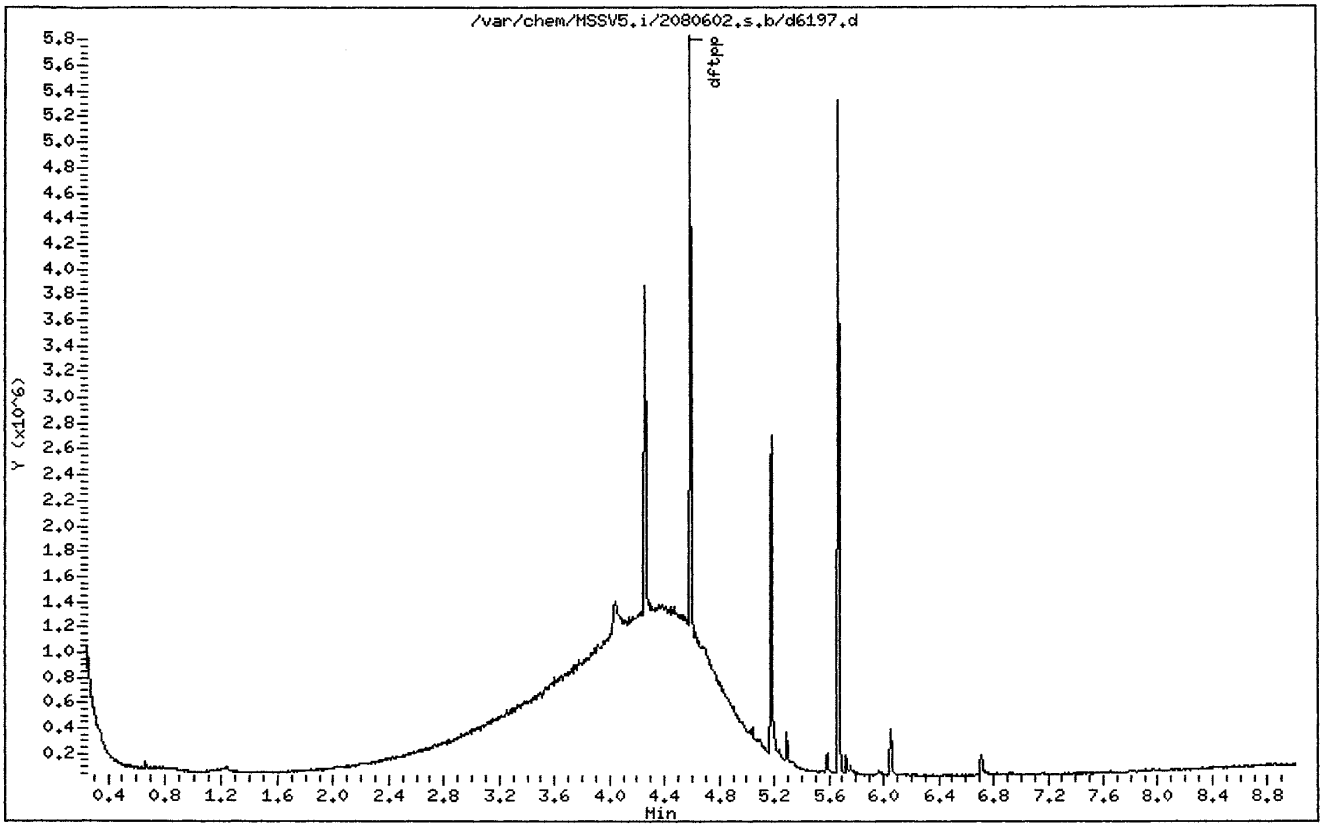
Sample Info: 1100*35-6-6*

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 2.00



170700

Data File: /var/chem/MSSV5.i/2080602.s.b/d6197.d

Date : 02-JUN-2008 08:07

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*35-6-6*

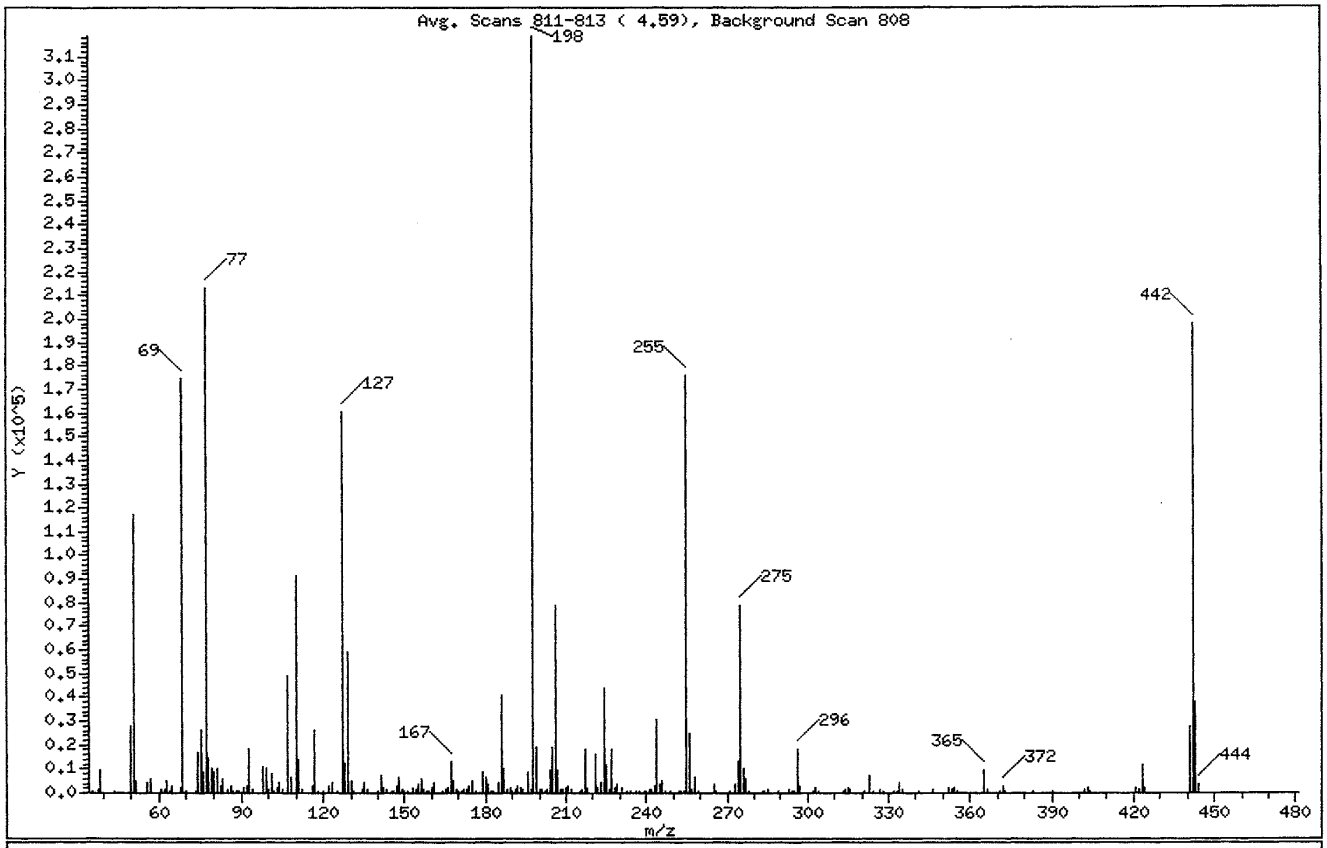
Volume Injected (uL): 1.0

Operator: KCB

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	36.75
68	Less than 2.00% of mass 69	0.66 (1.21)
69	Mass 69 relative abundance	54.66
70	Less than 2.00% of mass 69	0.33 (0.61)
127	40.00 - 60.00% of mass 198	50.36
197	Less than 1.00% of mass 198	0.57
199	5.00 - 9.00% of mass 198	6.05
275	10.00 - 30.00% of mass 198	24.91
365	Greater than 1.00% of mass 198	3.06
441	Present, but less than mass 443	8.84
442	40.00 - 100.00% of mass 198	61.97
443	17.00 - 23.00% of mass 442	11.89 (19.18)

Data File: /var/chem/MSSV5.i/2080602.s.b/d6197.d

Date : 02-JUN-2008 08:07

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*35-6-6*

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 2.00

Data File: d6197.d
Spectrum: Avg. Scans 811-813 (4.59), Background Scan 808
Location of Maximum: 198.00
Number of points: 302

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	545	140.00	472	219.00	159	313.00	382
37.00	260	141.00	7032	221.00	15931	314.00	1099
38.00	1246	142.00	2253	222.00	1992	315.00	1988
39.00	9602	143.00	1334	223.00	4478	316.00	1584
44.00	481	144.00	169	224.00	44136	317.00	246
45.00	81	145.00	456	225.00	11717	319.00	134
47.00	39	146.00	1006	226.00	1198	320.00	52
48.00	178	147.00	2846	227.00	18096	321.00	894
49.00	333	148.00	6380	228.00	2553	322.00	245
50.00	27672	149.00	1255	229.00	3581	323.00	7268
51.00	117104	150.00	768	230.00	293	324.00	1055
52.00	5423	151.00	887	231.00	1974	325.00	172
56.00	4158	153.00	2025	233.00	807	326.00	156
57.00	5765	154.00	1145	234.00	582	327.00	1233
61.00	1477	155.00	3927	236.00	698	328.00	769
62.00	1827	156.00	5863	237.00	805	329.00	62
63.00	5080	157.00	1153	239.00	885	332.00	567
64.00	480	158.00	1060	240.00	398	333.00	652
65.00	3148	159.00	563	241.00	1129	334.00	4455
67.00	98	160.00	2461	242.00	1773	335.00	1446
68.00	2109	161.00	4035	243.00	2890	336.00	98
69.00	174144	162.00	251	244.00	31040	339.00	130
70.00	1064	164.00	564	245.00	4001	340.00	171
72.00	208	165.00	1331	246.00	5096	341.00	788
73.00	825	166.00	1837	247.00	411	342.00	256
74.00	16544	167.00	13082	248.00	77	344.00	59
75.00	26456	168.00	5189	249.00	833	346.00	1311
76.00	8781	169.00	1386	252.00	479	347.00	103
77.00	213056	170.00	807	253.00	855	348.00	57
78.00	14326	171.00	414	254.00	741	350.00	72
79.00	10608	172.00	1665	255.00	175616	351.00	143
80.00	8537	173.00	1745	256.00	24968	352.00	1850
81.00	10384	174.00	3023	257.00	1384	353.00	1793
82.00	3210	175.00	4856	258.00	6673	354.00	2281
83.00	5829	176.00	766	259.00	1027	355.00	445

170702

Data File: /var/chem/MSSV5.i/2080602.s.b/d6197.d

Date : 02-JUN-2008 08:07

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*35-6-6*

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 2.00

Data File: d6197.d
Spectrum: Avg. Scans 811-813 (4.59), Background Scan 808
Location of Maximum: 198.00
Number of points: 302

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	1424	177.00	285	265.00	4016	357.00	63
86.00	2757	178.00	130	266.00	560	359.00	219
87.00	928	179.00	9036	267.00	231	360.00	66
88.00	727	180.00	6895	269.00	107	365.00	9742
89.00	510	181.00	3702	270.00	345	366.00	1178
91.00	1872	182.00	726	271.00	698	370.00	316
92.00	2720	183.00	422	272.00	312	371.00	529
93.00	18424	184.00	343	273.00	4022	372.00	3039
94.00	1731	185.00	4299	274.00	13422	373.00	933
98.00	11292	186.00	41080	275.00	79368	374.00	112
99.00	10206	187.00	9944	276.00	10285	375.00	114
100.00	1558	188.00	1153	277.00	5741	377.00	163
101.00	7722	189.00	2129	278.00	545	383.00	705
102.00	560	190.00	469	279.00	315	384.00	308
103.00	2041	191.00	1110	280.00	250	385.00	189
104.00	4164	192.00	2945	282.00	172	389.00	69
105.00	1485	193.00	2308	283.00	687	390.00	605
107.00	49176	194.00	1172	284.00	578	391.00	288
108.00	6520	195.00	252	285.00	1302	392.00	309
110.00	91480	196.00	8616	286.00	290	395.00	56
111.00	14256	197.00	1805	287.00	119	401.00	163
112.00	1172	198.00	318656	288.00	348	402.00	1527
113.00	345	199.00	19272	289.00	443	403.00	2417
116.00	2888	200.00	1597	290.00	209	404.00	940
117.00	26120	201.00	1780	293.00	1612	405.00	57
118.00	760	202.00	872	294.00	453	410.00	64
119.00	61	203.00	1479	295.00	526	421.00	1897
120.00	983	204.00	9825	296.00	18160	422.00	1451
122.00	2662	205.00	18960	297.00	2693	423.00	12082
123.00	4748	206.00	79168	298.00	169	424.00	2200
125.00	763	207.00	9794	299.00	54	425.00	161
126.00	170	208.00	1648	300.00	138	433.00	89
127.00	160448	209.00	1114	301.00	268	435.00	73
128.00	12299	210.00	1896	302.00	404	441.00	28168
129.00	59536	211.00	3179	303.00	2507	442.00	197440

Data File: /var/chem/MSSV5.i/2080602.s.b/d6197.d

Date : 02-JUN-2008 08:07

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*35-6-6*

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 2.00

Data File: d6197.d

Spectrum: Avg. Scans 811-813 (4.59), Background Scan 808

Location of Maximum: 198.00

Number of points: 302

m/z	Y	m/z	Y	m/z	Y	m/z	Y
130.00	4922	212.00	1103	304.00	967	443.00	37872
131.00	579	214.00	18	305.00	107	444.00	3658
134.00	1667	215.00	946	308.00	324	445.00	125
135.00	4180	216.00	1488	309.00	193	480.00	53
136.00	1216	217.00	18424	310.00	262		
137.00	252	218.00	1992	312.00	53		

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080602.s.b/d6198.d
Lab Smp Id: 1205 Client Smp ID: STD050
Inj Date : 02-JUN-2008 08:24
Operator : KCB Inst ID: MSSV5.i
Smp Info : 1205*35-22-2
Misc Info : STD050*MSSV~5010~*
Comment :
Method : /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m
Meth Date : 12-Jun-2008 17:36 rlw Quant Type: ISTD
Cal Date : 02-JUN-2008 08:24 Cal File: d6198.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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	2 Pyridine	79	0.312	0.312	(0.196)	526950	50.0000	50.0
	1 n-Nitrosodimethylamine	42	0.312	0.312	(0.196)	50885	50.0000	50.0
$	3 2-Fluorophenol	112	0.740	0.740	(0.465)	697615	50.0000	50.0
$	4 Phenol-d5	99	1.489	1.489	(0.936)	1513834	50.0000	50.0
	5 Aniline	93	1.382	1.382	(0.869)	1043782	50.0000	50.0
	6 Phenol +	94	1.500	1.500	(0.943)	1675927	50.0000	50.0
	7 bis(-2-Chloroethyl)Ether	63	1.446	1.446	(0.909)	859195	50.0000	50.0
	8 2-Chlorophenol	128	1.489	1.489	(0.936)	978329	50.0000	50.0
	9 1,3-Dichlorobenzene	146	1.542	1.542	(0.970)	1111579	50.0000	50.0
*	10 1,4-Dichlorobenzene-d4	152	1.591	1.591	(1.000)	629450	40.0000	
	11 1,4-Dichlorobenzene +	146	1.601	1.601	(1.007)	1125783	50.0000	50.0
	12 Benzyl alcohol	108	1.740	1.740	(1.094)	766808	50.0000	50.0
	13 1,2-Dichlorobenzene	146	1.698	1.698	(1.067)	1055960	50.0000	50.0

170705

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)	
15	2-Methylphenol	108	1.879	1.879	(1.182)	1061966	50.0000	50.0	
14	Bis(2-chloroisopropyl)ether	45	1.821	1.821	(1.145)	1157549	50.0000	50.0	
17	3- & 4-Methylphenol	108	1.981	1.981	(1.245)	1069627	50.0000	50.0	
16	N-Nitroso-di-n-propylamine++	70	1.917	1.917	(1.205)	998116	50.0000	50.0	
18	Hexachloroethane	117	1.912	1.912	(1.202)	488158	50.0000	50.0	
$ 19	Nitrobenzene-d5	82	1.976	1.976	(0.822)	1381716	50.0000	50.0	
20	Nitrobenzene	77	1.986	1.986	(0.826)	2001659	50.0000	50.0	
21	Isophorone	82	2.147	2.147	(0.893)	2455103	50.0000	50.0	
22	2-Nitrophenol +	139	2.190	2.190	(0.911)	493392	50.0000	50.0	
23	2,4-Dimethyphenol	107	2.286	2.286	(0.951)	1216164	50.0000	50.0	
24	bis(-2-Chloroethoxy)methane	93	2.307	2.307	(0.960)	1444465	50.0000	50.0	
25	Benzoic Acid	122	2.430	2.430	(1.011)	314863	50.0000	50.0	
26	2,4-Dichlorophenol +	162	2.382	2.382	(0.991)	685677	50.0000	50.0	
27	1,2,4-Trichlorobenzene	180	2.377	2.377	(0.989)	888623	50.0000	50.0	
* 28	Naphthalene-d8	136	2.404	2.404	(1.000)	2288513	40.0000		
29	Naphthalene	128	2.414	2.414	(1.004)	2748240	50.0000	50.0	
30	4-Chloroaniline	127	2.484	2.484	(1.033)	755956	50.0000	50.0	
31	Hexachlorobutadiene +	225	2.511	2.511	(1.044)	588925	50.0000	50.0	
32	4-Chloro-3-Methylphenol +	107	2.853	2.853	(1.187)	888381	50.0000	50.0	
33	2-Methylnaphthalene	142	2.837	2.837	(1.180)	1752754	50.0000	50.0	
145	1-Methylnapthalene	142	2.896	2.896	(1.205)	1550023	50.0000	50.0	
34	Hexachlorocyclopentadiene ++	237	2.944	2.944	(0.853)	490289	50.0000	50.0	
35	2,4,6-Trichlorophenol +	196	3.045	3.045	(0.882)	504619	50.0000	50.0	
36	2,4,5-Trichlorphenol	196	3.099	3.099	(0.898)	506126	50.0000	50.0	
$ 37	2-Fluorobiphenyl	172	3.078	3.078	(0.892)	1733461	50.0000	50.0	
38	2-Chloronaphthalene	162	3.126	3.126	(0.905)	1528805	50.0000	50.0	
39	2-Nitroaniline	138	3.222	3.222	(0.933)	489139	50.0000	50.0	
40	Dimethylphthalate	163	3.345	3.345	(0.969)	1585475	50.0000	50.0	
41	2,6-Dinitrotoluene	165	3.612	3.612	(1.046)	488692	50.0000	50.0	
42	Acenaphthylene	152	3.366	3.366	(0.975)	2412959	50.0000	50.0	
43	3-Nitroaniline	138	3.473	3.473	(1.006)	356599	50.0000	50.0	
* 44	Acenaphthene-d10	164	3.452	3.452	(1.000)	1206257	40.0000		
45	Acenaphthene +	153	3.473	3.473	(1.006)	1437323	50.0000	50.0	
46	2,4-Dinitrophenol ++	184	3.543	3.543	(1.026)	208099	50.0000	50.0	(M1)
49	4-Nitrophenol ++	109	3.698	3.698	(1.071)	187415	50.0000	50.0	
47	Dibenzofuran	168	3.580	3.580	(1.037)	2014980	50.0000	50.0	
48	2,4-Dinitrotoluene	165	3.612	3.612	(1.046)	488692	50.0000	50.0	
50	Diethylphthalate	149	3.773	3.773	(1.093)	1452710	50.0000	50.0	
52	4-Chlorophenyl-phenylether	204	3.805	3.805	(1.102)	774907	50.0000	50.0	
51	Fluorene	166	3.784	3.784	(1.096)	1570575	50.0000	50.0	
53	4-Nitroaniline	138	3.842	3.842	(1.113)	327263	50.0000	50.0	
54	4,6-Dinitro-o-cresol	198	3.858	3.858	(0.890)	287876	50.0000	50.0	
55	N-nitrosodiphenylamine (1)+	169	3.885	3.885	(0.896)	1024666	50.0000	50.0	
56	Azobenzene	77	3.896	3.896	(0.899)	2635569	50.0000	50.0	
$ 57	2,4,6-Tribromophenol	332	3.939	3.939	(1.141)	199374	50.0000	50.0	
58	4-Bromophenyl-phenylether	248	4.088	4.088	(0.943)	377414	50.0000	50.0	
59	Hexachlorobenzene	284	4.110	4.110	(0.948)	458776	50.0000	50.0	

170706

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	4.260	4.260	(0.983)	271817	50.0000	50.0
*	61 Phenanthrene-d10	188	4.334	4.334	(1.000)	1828090	40.0000	
	62 Phenanthrene	178	4.351	4.351	(1.004)	2050231	50.0000	50.0
	63 Anthracene	178	4.377	4.377	(1.010)	1986032	50.0000	50.0
	64 Carbazole	167	4.500	4.500	(1.038)	1811322	50.0000	50.0
	65 Di-n-butylphthalate	149	4.757	4.757	(1.097)	2179254	50.0000	50.0
	67 Fluoranthene +	202	5.057	5.057	(1.167)	2024514	50.0000	50.0
	68 Benzidine	184	5.185	5.185	(0.872)	21246	50.0000	50.0 (M2)
	69 Pyrene	202	5.057	5.057	(0.851)	2024514	50.0000	50.0
$	70 Terphenyl-d14	244	5.319	5.319	(0.895)	1384609	50.0000	50.0
	71 Butylbenzylphthalate	149	5.645	5.645	(0.950)	857288	50.0000	50.0
	73 3,3'-Dichlorobenzidine	252	5.955	5.955	(1.002)	534694	50.0000	50.0
	72 Benzo(a)anthracene	228	5.934	5.934	(0.998)	1682274	50.0000	50.0
*	74 Chrysene-d12	240	5.944	5.944	(1.000)	1369205	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.051	6.051	(1.018)	1062436	50.0000	50.0
	75 Chrysene	228	5.960	5.960	(1.003)	1863868	50.0000	50.0
	77 Di-n-octylphthalate +	149	6.511	6.511	(1.095)	1786125	50.0000	50.0
	78 Benzo(b)fluoranthene	252	6.672	6.672	(0.963)	1256428	50.0000	50.0
	79 Benzo(k)fluoranthene	252	6.693	6.693	(0.966)	2080014	50.0000	50.0
	80 Benzo(a)pyrene +	252	6.891	6.891	(0.995)	1401499	50.0000	50.0
*	81 Perylene-d12	264	6.929	6.929	(1.000)	1231522	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.635	7.635	(1.284)	879026	50.0000	50.0 (M2)
	83 Dibenzo(a,h)anthracene	278	7.656	7.656	(1.105)	1439744	50.0000	50.0
	84 Benzo(g,h,i)perylene	276	7.795	7.795	(1.125)	1816694	50.0000	50.0
M	66 Total Methylphenol	108				2131593	100.000	100
	91 Acetophenone	105	1.885	1.885	(1.185)	1449765	50.0000	50.0
	155 Benzaldehyde	77	1.280	1.280	(0.805)	330443	50.0000	50.0
	156 Caprolactam	113	2.725	2.725	(1.133)	264553	50.0000	50.0
	157 Biphenyl	154	3.131	3.131	(1.303)	1894651	50.0000	50.0
	158 Atrazine	200	4.238	4.238	(0.978)	140515	50.0000	50.0
	174 1,4-Dioxane	88	0.270	0.270	(0.169)	114882	50.0000	50.0 (M1)

QC Flag Legend

M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.

170707

Data File: /var/chem/MSSV5.i/2080602.s.b/d6198.d

Page 1

Date : 02-JUN-2008 08:24

Client ID: STD050

Instrument: MSSV5.i

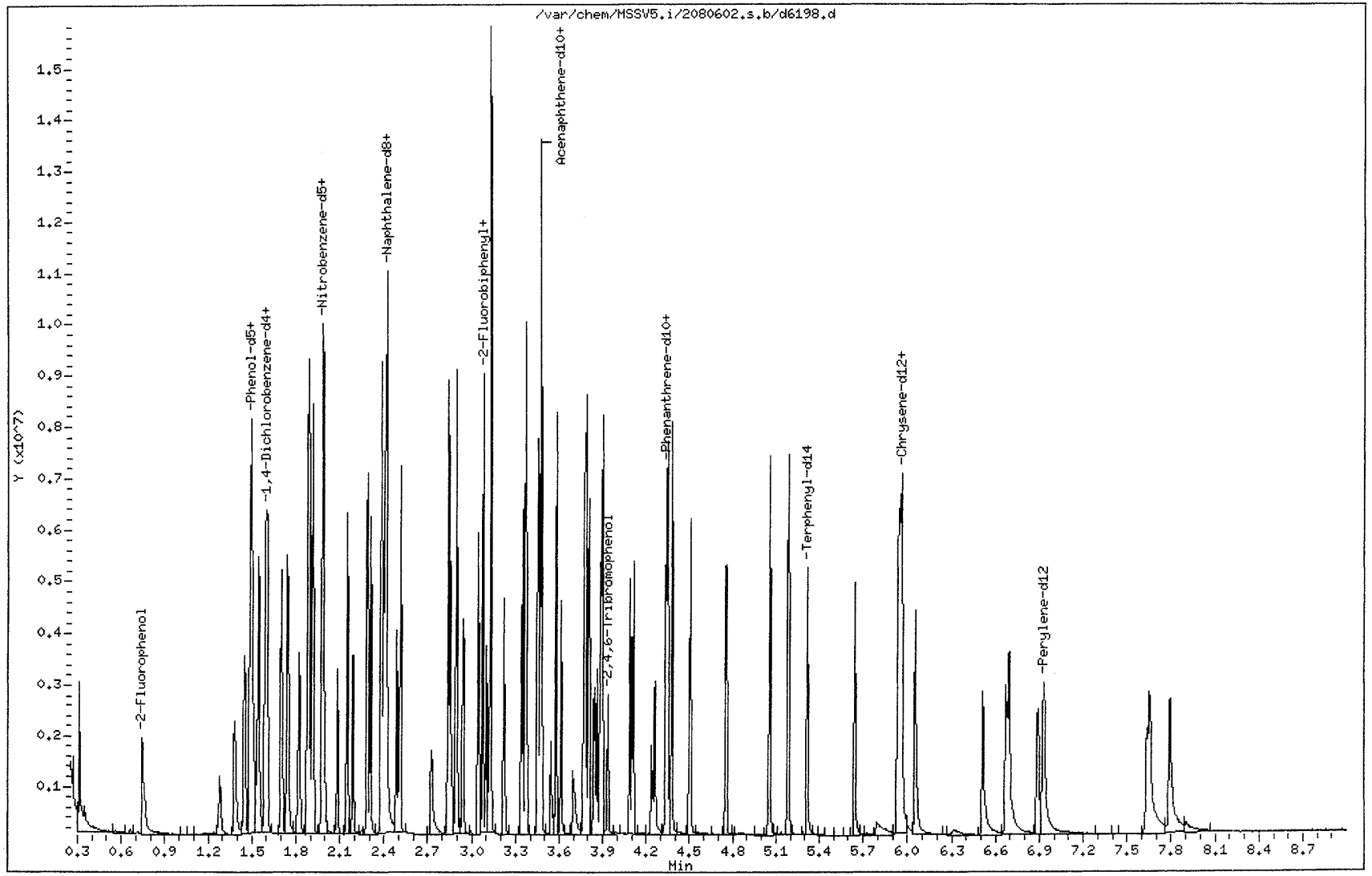
Sample Info: 1205*35-22-2

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

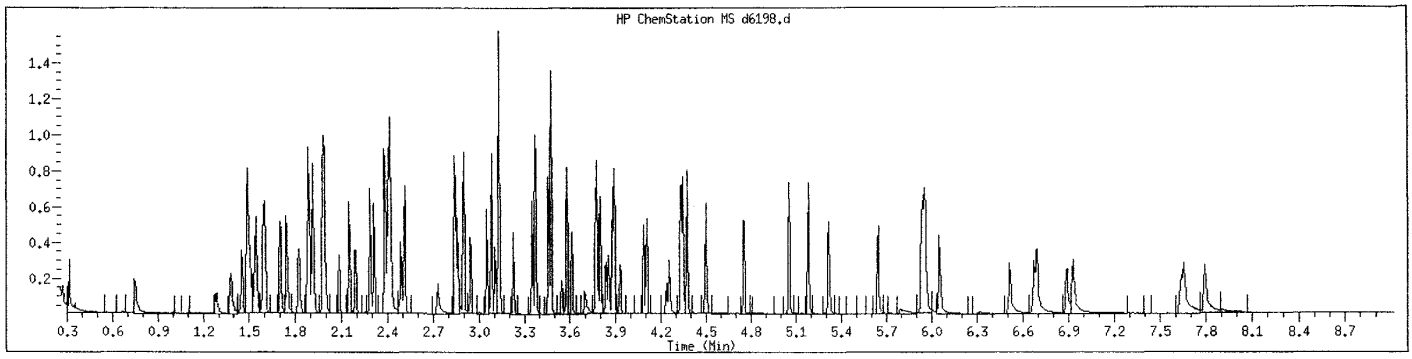
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2080602.s.b/d6198.d Page: 1
Report Date: 06/12/2008 17:36

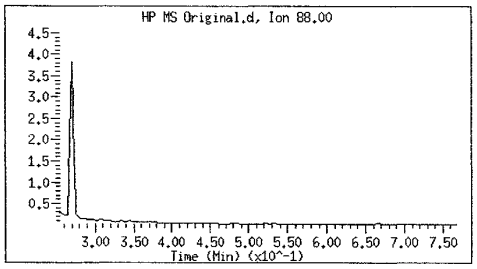
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1205 SampleType : CALIB_5
Injection Date: 06/02/2008 08:24 Instrument : MSSV5.i
Operator : KCB
Sample Info : 1205*35-22-2
Misc Info : STD050*MSSV~5010~*
Method : /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



Original Final

174 1,4-Dioxane CAS#: 123-91-1 Reason: M1



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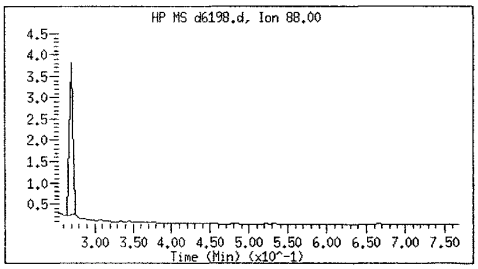
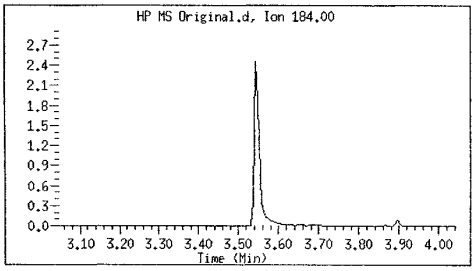


46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



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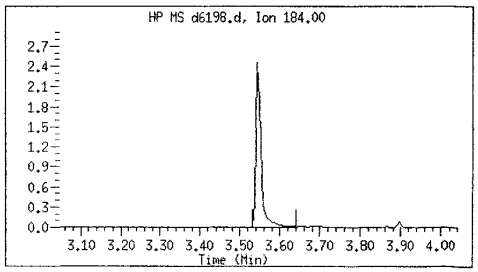
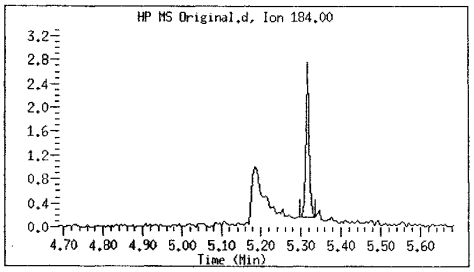


170709

Original Final

68 Benzidine CAS#: 92-87-5 Reason: M2



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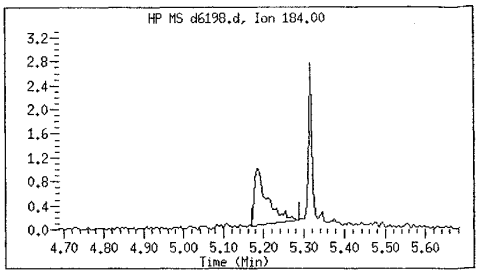
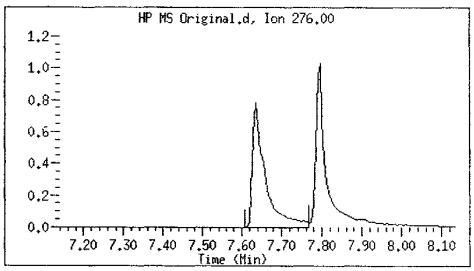
Date: 06/02/2008 09:32



82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



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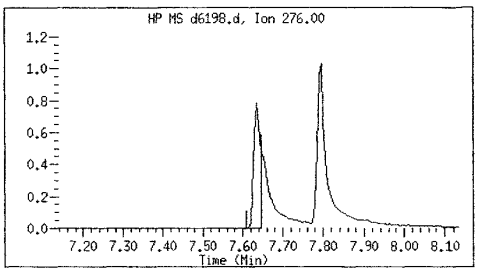
Date: 06/02/2008 09:32



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080602.s.b/d6201.d
Lab Smp Id: 1204 Client Smp ID: STD010
Inj Date : 02-JUN-2008 09:09
Operator : KCB Inst ID: MSSV5.i
Smp Info : 1204*35-22-2
Misc Info : STD010*MSSV~5010~*
Comment :
Method : /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m
Meth Date : 13-Jun-2008 11:56 rlw Quant Type: ISTD
Cal Date : 02-JUN-2008 09:09 Cal File: d6201.d
Als bottle: 5 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	0.318	0.318	(0.200)	52680	10.0000	10.0
	1 n-Nitrosodimethylamine	42	0.312	0.312	(0.197)	17451	10.0000	10.0
$	3 2-Fluorophenol	112	0.746	0.746	(0.470)	128836	10.0000	10.1
$	4 Phenol-d5	99	1.500	1.500	(0.946)	295819	10.0000	10.3
	5 Aniline	93	1.377	1.377	(0.868)	325526	10.0000	10.0
	6 Phenol +	94	1.510	1.510	(0.953)	334713	10.0000	10.4
	7 bis(-2-Chloroethyl)Ether	63	1.446	1.446	(0.912)	166866	10.0000	10.3
	8 2-Chlorophenol	128	1.489	1.489	(0.939)	191806	10.0000	10.3
	9 1,3-Dichlorobenzene	146	1.542	1.542	(0.973)	217971	10.0000	10.4
*	10 1,4-Dichlorobenzene-d4	152	1.585	1.585	(1.000)	575397	40.0000	
	11 1,4-Dichlorobenzene +	146	1.601	1.601	(1.010)	215793	10.0000	10.2
	12 Benzyl alcohol	108	1.740	1.740	(1.098)	158171	10.0000	10.6
	13 1,2-Dichlorobenzene	146	1.698	1.698	(1.071)	207784	10.0000	10.4

170711

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
15	2-Methylphenol	108	1.874	1.874	(1.182)	217447	10.0000	10.6
14	Bis(2-chloroisopropyl)ether	45	1.821	1.821	(1.148)	230717	10.0000	10.4
17	3- & 4-Methylphenol	108	1.981	1.981	(1.250)	228264	10.0000	10.8
16	N-Nitroso-di-n-propylamine++	70	1.906	1.906	(1.202)	207274	10.0000	10.6
18	Hexachloroethane	117	1.912	1.912	(1.206)	99124	10.0000	10.5
$ 19	Nitrobenzene-d5	82	1.970	1.970	(0.822)	283503	10.0000	10.5
20	Nitrobenzene	77	1.981	1.981	(0.826)	407063	10.0000	10.4
21	Isophorone	82	2.142	2.142	(0.893)	525674	10.0000	10.7
22	2-Nitrophenol +	139	2.190	2.190	(0.913)	99178	10.0000	10.4
23	2,4-Dimethyphenol	107	2.281	2.281	(0.951)	247303	10.0000	10.4
24	bis(-2-Chloroethoxy)methane	93	2.307	2.307	(0.962)	296388	10.0000	10.5
25	Benzoic Acid	122	2.414	2.414	(1.007)	52894	10.0000	9.48(a)
26	2,4-Dichlorophenol +	162	2.382	2.382	(0.993)	148963	10.0000	10.8
27	1,2,4-Trichlorobenzene	180	2.377	2.377	(0.991)	182252	10.0000	10.5
* 28	Naphthalene-d8	136	2.398	2.398	(1.000)	2132395	40.0000	
29	Naphthalene	128	2.409	2.409	(1.004)	554684	10.0000	10.4
30	4-Chloroaniline	127	2.484	2.484	(1.036)	201545	10.0000	10.0
31	Hexachlorobutadiene +	225	2.511	2.511	(1.047)	119019	10.0000	10.0
32	4-Chloro-3-Methylphenol +	107	2.853	2.853	(1.190)	190291	10.0000	10.7
33	2-Methylnaphthalene	142	2.837	2.837	(1.183)	478646	10.0000	10.0
145	1-Methylnapthalene	142	2.896	2.896	(1.207)	332332	10.0000	10.7
34	Hexachlorocyclopentadiene ++	237	2.938	2.938	(0.851)	63552	10.0000	10.0
35	2,4,6-Trichlorophenol +	196	3.045	3.045	(0.882)	101487	10.0000	10.3
36	2,4,5-Trichlorphenol	196	3.099	3.099	(0.898)	102322	10.0000	10.4
$ 37	2-Fluorobiphenyl	172	3.078	3.078	(0.892)	346661	10.0000	10.3
38	2-Chloronaphthalene	162	3.126	3.126	(0.905)	327705	10.0000	10.6
39	2-Nitroaniline	138	3.217	3.217	(0.932)	105645	10.0000	10.7
40	Dimethylphthalate	163	3.340	3.340	(0.967)	333195	10.0000	10.5(M1)
41	2,6-Dinitrotoluene	165	3.612	3.612	(1.046)	106920	10.0000	10.8
42	Acenaphthylene	152	3.366	3.366	(0.975)	464930	10.0000	10.1
43	3-Nitroaniline	138	3.468	3.468	(1.005)	78688	10.0000	10.8
* 44	Acenaphthene-d10	164	3.452	3.452	(1.000)	1135397	40.0000	
45	Acenaphthene +	153	3.468	3.468	(1.005)	316932	10.0000	10.8
46	2,4-Dinitrophenol ++	184	3.548	3.548	(1.028)	28046	10.0000	10.0(M1)
49	4-Nitrophenol ++	109	3.709	3.709	(1.074)	33258	10.0000	9.70(a)
47	Dibenzofuran	168	3.575	3.575	(1.036)	443312	10.0000	10.8
48	2,4-Dinitrotoluene	165	3.612	3.612	(1.046)	106920	10.0000	10.8
50	Diethylphthalate	149	3.768	3.768	(1.091)	323891	10.0000	10.8
52	4-Chlorophenyl-phenylether	204	3.800	3.800	(1.101)	171304	10.0000	10.8
51	Fluorene	166	3.778	3.778	(1.095)	343921	10.0000	10.8
53	4-Nitroaniline	138	3.837	3.837	(1.112)	75800	10.0000	11.0
54	4,6-Dinitro-o-cresol	198	3.853	3.853	(0.889)	53991	10.0000	10.0
55	N-nitrosodiphenylamine (1)+	169	3.880	3.880	(0.895)	230860	10.0000	10.6
56	Azobenzene	77	3.891	3.891	(0.898)	559452	10.0000	10.3
$ 57	2,4,6-Tribromophenol	332	3.933	3.933	(1.139)	40289	10.0000	10.4
58	4-Bromophenyl-phenylether	248	4.088	4.088	(0.943)	82637	10.0000	10.4
59	Hexachlorobenzene	284	4.110	4.110	(0.948)	101164	10.0000	10.4

170712

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	4.260	4.260	(0.983)	46413	10.0000	10.0
*	61 Phenanthrene-d10	188	4.334	4.334	(1.000)	1843757	40.0000	
	62 Phenanthrene	178	4.345	4.345	(1.002)	447824	10.0000	10.4
	63 Anthracene	178	4.377	4.377	(1.010)	457545	10.0000	10.7
	64 Carbazole	167	4.500	4.500	(1.038)	391348	10.0000	10.3
	65 Di-n-butylphthalate	149	4.752	4.752	(1.096)	469548	10.0000	10.3
	67 Fluoranthene +	202	5.057	5.057	(1.167)	456150	10.0000	10.6
	68 Benzidine	184	5.174	5.174	(0.871)	30421	10.0000	73.1
	69 Pyrene	202	5.057	5.057	(0.851)	456150	10.0000	10.7
$	70 Terphenyl-d14	244	5.313	5.313	(0.895)	300520	10.0000	10.5
	71 Butylbenzylphthalate	149	5.640	5.640	(0.950)	176517	10.0000	10.3
	73 3,3'-Dichlorobenzidine	252	5.950	5.950	(1.002)	121290	10.0000	10.7
	72 Benzo(a)anthracene	228	5.934	5.934	(0.999)	333103	10.0000	10.0
*	74 Chrysene-d12	240	5.939	5.939	(1.000)	1340241	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.051	6.051	(1.019)	229691	10.0000	10.5
	75 Chrysene	228	5.955	5.955	(1.003)	424158	10.0000	10.8
	77 Di-n-octylphthalate +	149	6.506	6.506	(1.095)	295798	10.0000	10.0
	78 Benzo(b)fluoranthene	252	6.666	6.666	(0.963)	199827	10.0000	9.53(a)
	79 Benzo(k)fluoranthene	252	6.688	6.688	(0.966)	402732	10.0000	10.5
	80 Benzo(a)pyrene +	252	6.886	6.886	(0.995)	194820	10.0000	10.0
*	81 Perylene-d12	264	6.923	6.923	(1.000)	1075155	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.629	7.629	(1.285)	115173	10.0000	10.0(M2)
	83 Dibenzo(a,h)anthracene	278	7.651	7.651	(1.105)	168324	10.0000	10.0
	84 Benzo(g,h,i)perylene	276	7.790	7.790	(1.125)	250123	10.0000	10.0
M	66 Total Methylphenol	108				445711	20.0000	21.3
	91 Acetophenone	105	1.885	1.885	(1.189)	298195	10.0000	10.6
	155 Benzaldehyde	77	1.275	1.275	(0.804)	188647	10.0000	10.0
	156 Caprolactam	113	2.698	2.698	(1.125)	55009	10.0000	10.5
	157 Biphenyl	154	3.126	3.126	(1.303)	400162	10.0000	10.6
	158 Atrazine	200	4.227	4.227	(0.975)	70282	10.0000	10.0
	174 1,4-Dioxane	88	0.269	0.269	(0.170)	22376	10.0000	10.3(M1)

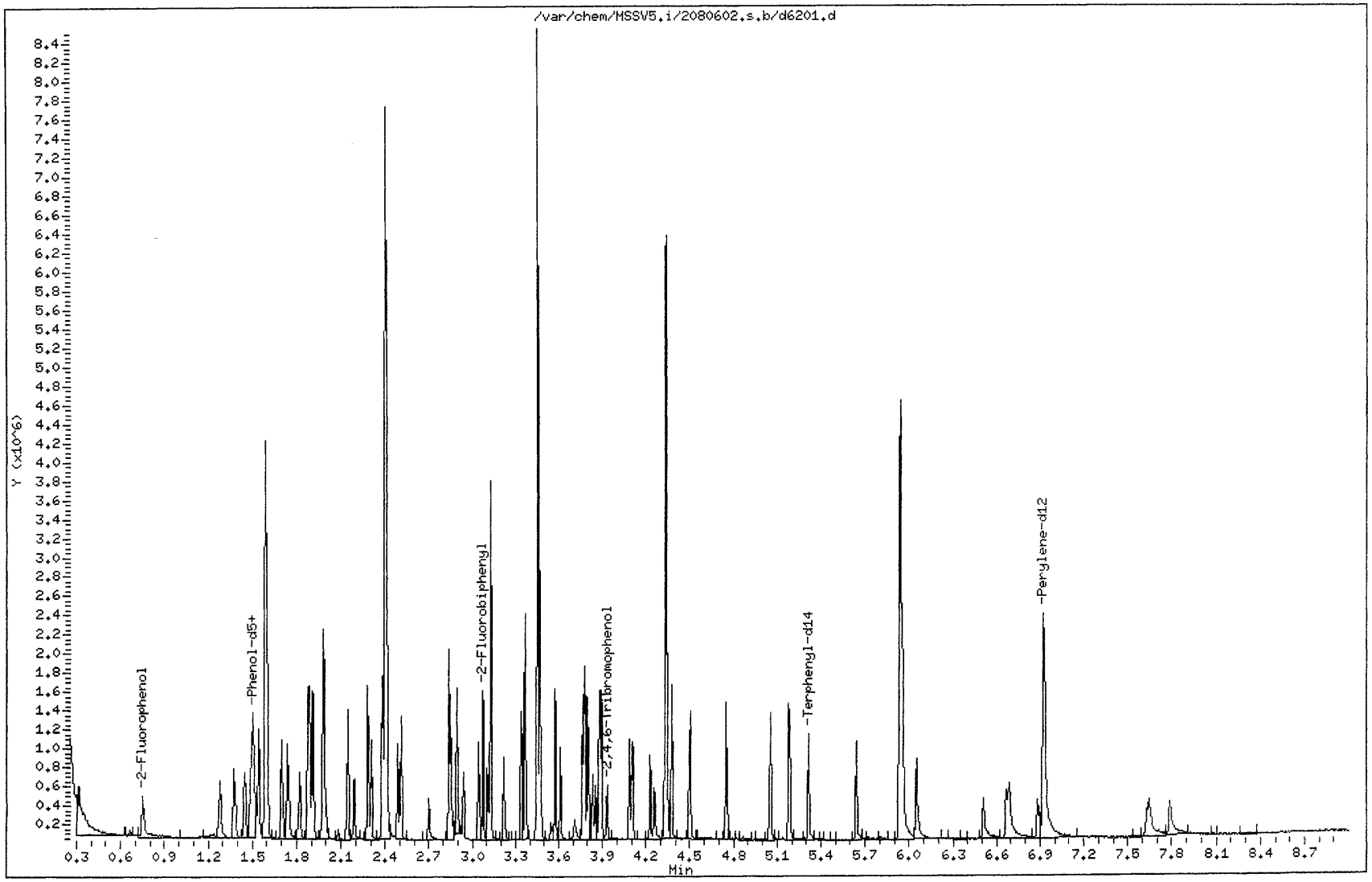
QC Flag Legend

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.

Data File: /var/chem/MSSV5.i/2080602.s.b/d6201.d
Date : 02-JUN-2008 09:09
Client ID: STD010
Sample Info: 1204*35-22-2
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

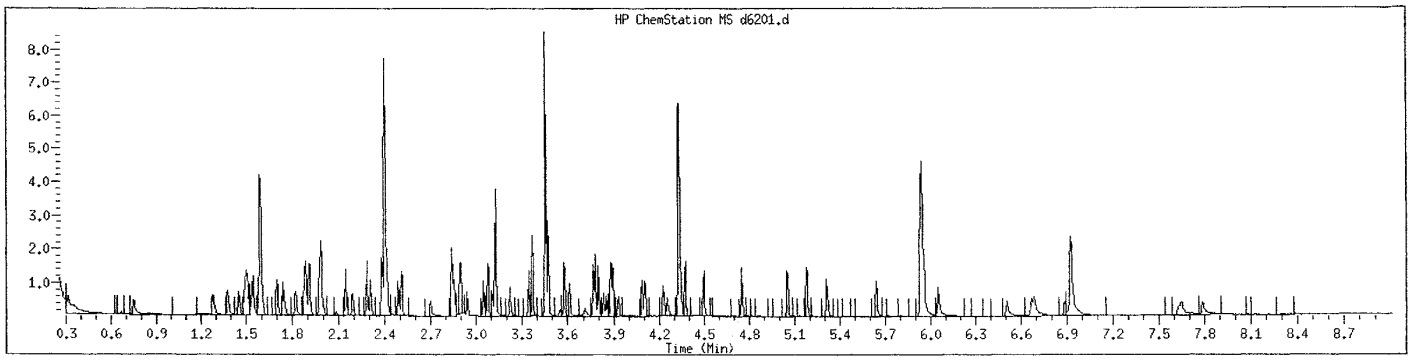
Instrument: MSSV5.i

Operator: KCB
Column diameter: 0.25



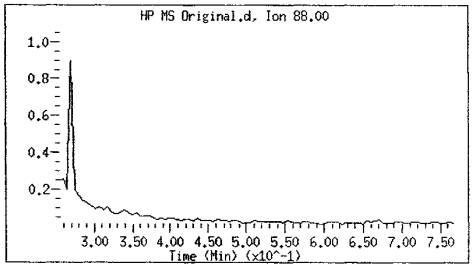
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1204 SampleType : CALIB_4
Injection Date: 06/02/2008 09:09 Instrument : MSSV5.i
Operator : KCB
Sample Info : 1204*35-22-2
Misc Info : STD010*MSSV~5010~*
Method : /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



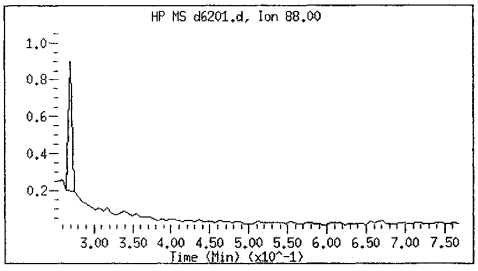
Original Final

174 1,4-Dioxane CAS#: 123-91-1 Reason: M1

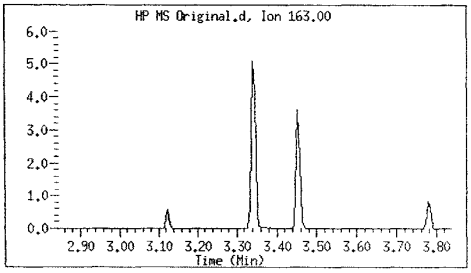


Electronic Signature Applied

User: root
Date: 06/02/2008 11:56



40 Dimethylphthalate CAS#: 131-11-3 Reason: M1



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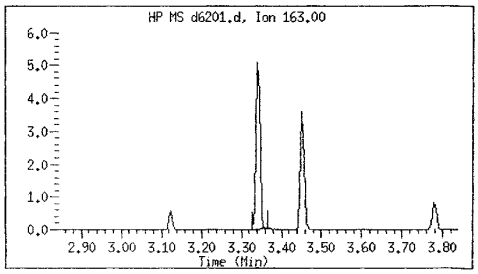
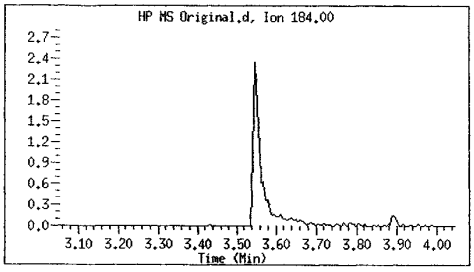
Date: 06/02/2008 11:55



170715

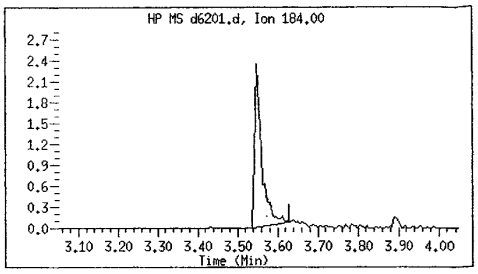
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1

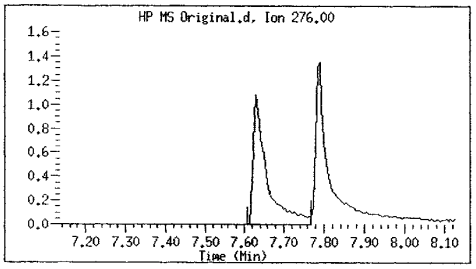


Electronic Signature Applied

User: root
Date: 06/02/2008 11:55

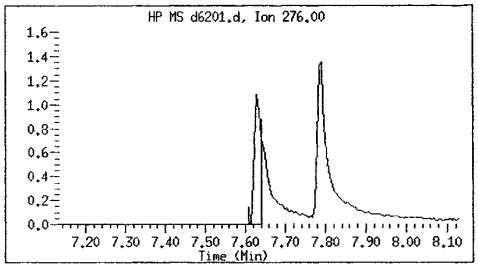


82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



Electronic Signature Applied

User: root
Date: 06/02/2008 11:56



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080602.s.b/d6202.d
Lab Smp Id: 1206 Client Smp ID: STD080
Inj Date : 02-JUN-2008 09:24
Operator : KCB Inst ID: MSSV5.i
Smp Info : 1206*35-22-3
Misc Info : STD080*MSSV~5010~*
Comment :
Method : /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m
Meth Date : 13-Jun-2008 11:56 rlw Quant Type: ISTD
Cal Date : 02-JUN-2008 09:24 Cal File: d6202.d
Als bottle: 6 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	0.312	0.312	(0.196)	735644	80.0000	80.0
	1 n-Nitrosodimethylamine	42	0.312	0.312	(0.196)	108766	80.0000	80.0
$	3 2-Fluorophenol	112	0.740	0.740	(0.465)	1141949	80.0000	84.1
$	4 Phenol-d5	99	1.478	1.478	(0.929)	2484696	80.0000	82.7
	5 Aniline	93	1.377	1.377	(0.866)	1575901	80.0000	81.2
	6 Phenol +	94	1.489	1.489	(0.936)	2687957	80.0000	80.8
	7 bis(-2-Chloroethyl)Ether	63	1.446	1.446	(0.909)	1419318	80.0000	83.2
	8 2-Chlorophenol	128	1.484	1.484	(0.933)	1566404	80.0000	81.3
	9 1,3-Dichlorobenzene	146	1.543	1.543	(0.970)	1834765	80.0000	82.9
*	10 1,4-Dichlorobenzene-d4	152	1.591	1.591	(1.000)	593815	40.0000	
	11 1,4-Dichlorobenzene +	146	1.601	1.601	(1.007)	1859298	80.0000	83.6
	12 Benzyl alcohol	108	1.746	1.746	(1.097)	1258709	80.0000	81.2
	13 1,2-Dichlorobenzene	146	1.698	1.698	(1.067)	1751251	80.0000	83.1

170717

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	15 2-Methylphenol	108	1.874	1.874	(1.178)	1742961	80.0000	81.4
	14 Bis(2-chloroisopropyl)ether	45	1.821	1.821	(1.145)	1882312	80.0000	81.6
	17 3- & 4-Methylphenol	108	1.976	1.976	(1.242)	1780869	80.0000	80.9
	16 N-Nitroso-di-n-propylamine++	70	1.917	1.917	(1.205)	1607646	80.0000	80.0
	18 Hexachloroethane	117	1.912	1.912	(1.202)	817900	80.0000	82.7
$	19 Nitrobenzene-d5	82	1.976	1.976	(0.822)	2266537	80.0000	82.2
	20 Nitrobenzene	77	1.987	1.987	(0.826)	3273079	80.0000	82.3
	21 Isophorone	82	2.152	2.152	(0.895)	4313418	80.0000	84.7
	22 2-Nitrophenol +	139	2.190	2.190	(0.911)	810124	80.0000	82.8
	23 2,4-Dimethyphenol	107	2.286	2.286	(0.951)	2024759	80.0000	83.3
	24 bis(-2-Chloroethoxy)methane	93	2.313	2.313	(0.962)	2423588	80.0000	83.4
	25 Benzoic Acid	122	2.447	2.447	(1.018)	667955	80.0000	80.0
	26 2,4-Dichlorophenol +	162	2.377	2.377	(0.989)	1172602	80.0000	82.8
	27 1,2,4-Trichlorobenzene	180	2.377	2.377	(0.989)	1435926	80.0000	81.4
*	28 Naphthalene-d8	136	2.404	2.404	(1.000)	2144017	40.0000	
	29 Naphthalene	128	2.414	2.414	(1.004)	4554078	80.0000	83.2
	30 4-Chloroaniline	127	2.484	2.484	(1.033)	1168191	80.0000	81.2
	31 Hexachlorobutadiene +	225	2.511	2.511	(1.044)	952738	80.0000	81.3
	32 4-Chloro-3-Methylphenol +	107	2.853	2.853	(1.187)	1487253	80.0000	82.1
	33 2-Methylnaphthalene	142	2.842	2.842	(1.182)	2895696	80.0000	80.0
	145 1-Methylnapthalene	142	2.896	2.896	(1.205)	2520133	80.0000	80.5
	34 Hexachlorocyclopentadiene ++	237	2.939	2.939	(0.851)	834749	80.0000	80.0
	35 2,4,6-Trichlorophenol +	196	3.046	3.046	(0.882)	819576	80.0000	83.7
	36 2,4,5-Trichlorphenol	196	3.094	3.094	(0.896)	864158	80.0000	86.3
$	37 2-Fluorobiphenyl	172	3.078	3.078	(0.892)	2802053	80.0000	83.6
	38 2-Chloronaphthalene	162	3.126	3.126	(0.905)	2480597	80.0000	81.9
	39 2-Nitroaniline	138	3.222	3.222	(0.933)	810253	80.0000	82.8
	40 Dimethylphthalate	163	3.350	3.350	(0.971)	2570747	80.0000	82.4
	41 2,6-Dinitrotoluene	165	3.618	3.618	(1.048)	810621	80.0000	82.5
	42 Acenaphthylene	152	3.366	3.366	(0.975)	3531330	80.0000	79.3
	43 3-Nitroaniline	138	3.473	3.473	(1.006)	553158	80.0000	78.6
*	44 Acenaphthene-d10	164	3.452	3.452	(1.000)	1104599	40.0000	
	45 Acenaphthene +	153	3.473	3.473	(1.006)	2316314	80.0000	80.7
	46 2,4-Dinitrophenol ++	184	3.543	3.543	(1.026)	382366	80.0000	80.0(M1)
	49 4-Nitrophenol ++	109	3.693	3.693	(1.070)	353231	80.0000	80.0
	47 Dibenzofuran	168	3.580	3.580	(1.037)	3305433	80.0000	81.7
	48 2,4-Dinitrotoluene	165	3.618	3.618	(1.048)	810621	80.0000	82.5
	50 Diethylphthalate	149	3.773	3.773	(1.093)	2377549	80.0000	81.2
	52 4-Chlorophenyl-phenylether	204	3.805	3.805	(1.102)	1281328	80.0000	82.0
	51 Fluorene	166	3.784	3.784	(1.096)	2562486	80.0000	81.6
	53 4-Nitroaniline	138	3.848	3.848	(1.115)	572227	80.0000	83.7
	54 4,6-Dinitro-o-cresol	198	3.864	3.864	(0.891)	508380	80.0000	91.2
	55 N-nitrosodiphenylamine (1)+	169	3.885	3.885	(0.896)	1732203	80.0000	83.6
	56 Azobenzene	77	3.896	3.896	(0.899)	4320451	80.0000	83.6
$	57 2,4,6-Tribromophenol	332	3.939	3.939	(1.141)	339769	80.0000	86.2
	58 4-Bromophenyl-phenylether	248	4.089	4.089	(0.943)	620106	80.0000	82.9
	59 Hexachlorobenzene	284	4.110	4.110	(0.948)	776759	80.0000	84.3

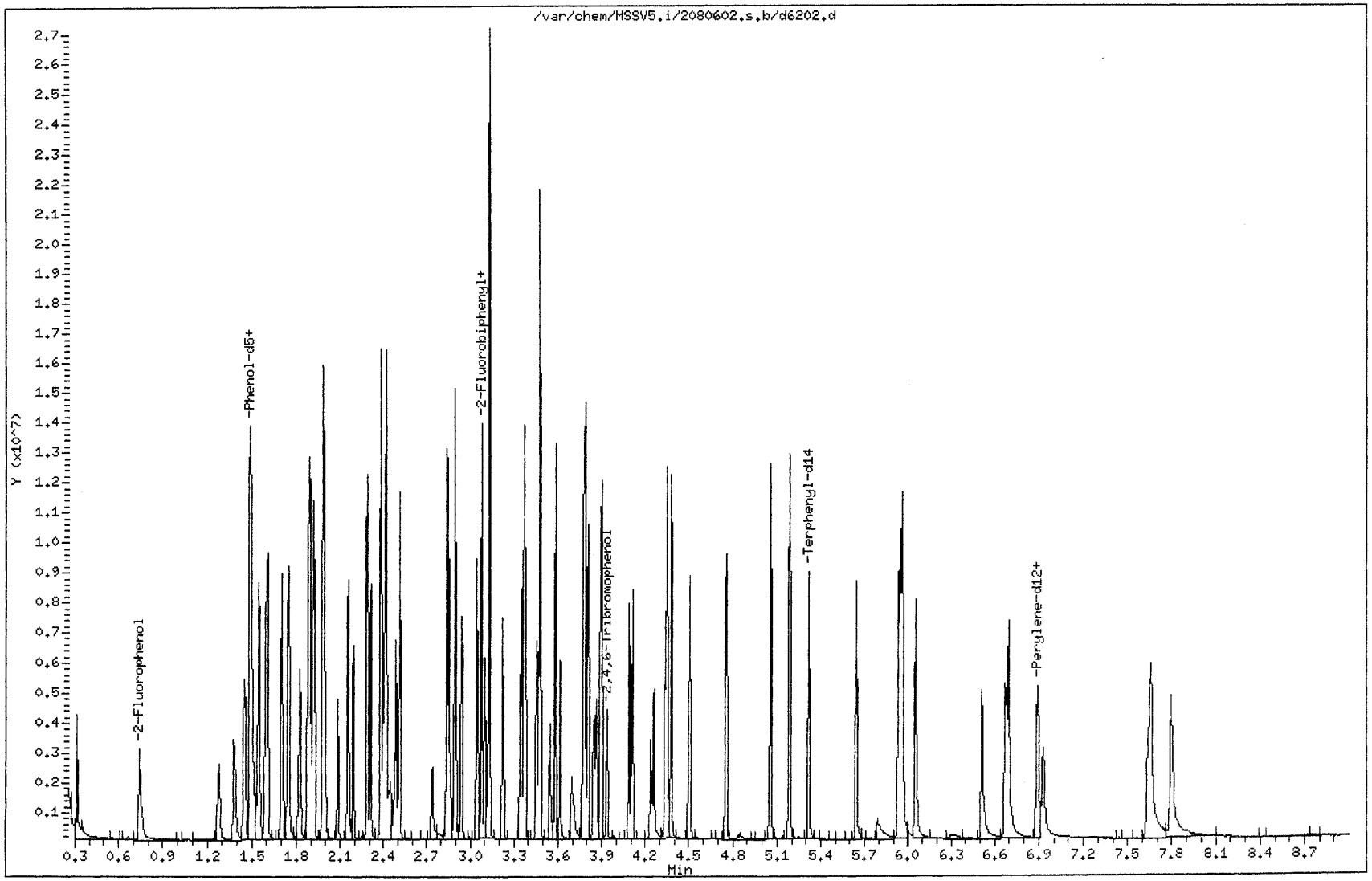
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	4.260	4.260	(0.983)	465296	80.0000	81.7
*	61 Phenanthrene-d10	188	4.335	4.335	(1.000)	1706114	40.0000	
	62 Phenanthrene	178	4.351	4.351	(1.004)	3376502	80.0000	83.1
	63 Anthracene	178	4.377	4.377	(1.010)	3317702	80.0000	82.3
	64 Carbazole	167	4.506	4.506	(1.039)	2988695	80.0000	83.5
	65 Di-n-butylphthalate	149	4.757	4.757	(1.097)	3665317	80.0000	84.6
	67 Fluoranthene +	202	5.057	5.057	(1.167)	3382663	80.0000	83.0
	68 Benzidine	184	5.180	5.180	(0.871)	64663	80.0000	80.0
	69 Pyrene	202	5.057	5.057	(0.851)	3382663	80.0000	79.9
$	70 Terphenyl-d14	244	5.319	5.319	(0.895)	2364959	80.0000	82.1
	71 Butylbenzylphthalate	149	5.645	5.645	(0.950)	1485708	80.0000	84.4
	73 3,3'-Dichlorobenzidine	252	5.955	5.955	(1.002)	978483	80.0000	84.6
	72 Benzo(a)anthracene	228	5.934	5.934	(0.998)	3023779	80.0000	87.5
*	74 Chrysene-d12	240	5.945	5.945	(1.000)	1331996	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.051	6.051	(1.018)	1871635	80.0000	83.9
	75 Chrysene	228	5.961	5.961	(1.003)	3326259	80.0000	83.2
	77 Di-n-octylphthalate +	149	6.511	6.511	(1.095)	3008214	80.0000	81.0
	78 Benzo(b)fluoranthene	252	6.677	6.677	(0.964)	2248834	80.0000	80.0
	79 Benzo(k)fluoranthene	252	6.693	6.693	(0.966)	3824678	80.0000	90.6
	80 Benzo(a)pyrene +	252	6.891	6.891	(0.995)	2646311	80.0000	82.8
*	81 Perylene-d12	264	6.929	6.929	(1.000)	1105886	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.640	7.640	(1.285)	1827155	80.0000	80.0(M2)
	83 Dibenzo(a,h)anthracene	278	7.656	7.656	(1.105)	2673597	80.0000	80.0
	84 Benzo(g,h,i)perylene	276	7.801	7.801	(1.126)	3265697	80.0000	80.0
M	66 Total Methylphenol	108				3523830	160.000	162
	91 Acetophenone	105	1.890	1.890	(1.188)	2387983	80.0000	81.4
	155 Benzaldehyde	77	1.275	1.275	(0.802)	726976	80.0000	80.0
	156 Caprolactam	113	2.741	2.741	(1.140)	441741	80.0000	82.8
	157 Biphenyl	154	3.131	3.131	(1.303)	3108976	80.0000	81.4
	158 Atrazine	200	4.238	4.238	(0.978)	264202	80.0000	80.0
	174 1,4-Dioxane	88	0.270	0.270	(0.170)	125569	80.0000	80.0(M1)

QC Flag Legend

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/MSSV5.i/2080602.s.b/d6202.d
Date : 02-JUN-2008 09:24
Client ID: STD080
Sample Info: 1206*35-22-3
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i
Operator: KCB
Column diameter: 0.25

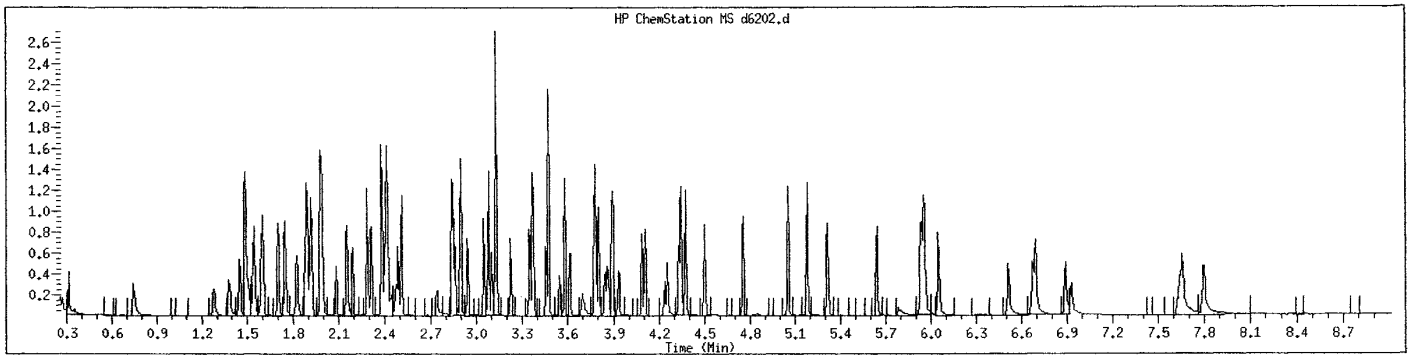


Data file : /var/chem/MSSV5.i/2080602.s.b/d6202.d
Report Date: 06/13/2008 11:56

MANUAL INTEGRATION GRAPHIC REPORT

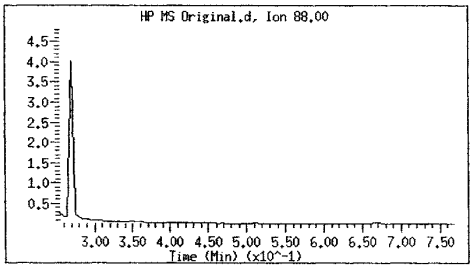
Lab ID : 1206
Injection Date: 06/02/2008 09:24
Operator : KCB
Sample Info : 1206*35-22-3
Misc Info : STD080*MSSV~5010~*
Method : /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE

SampleType : CALIB_6
Instrument : MSSV5.i
Compound Sublist: 8270C



Original | Final

174 1,4-Dioxane CAS#: 123-91-1 Reason: M1



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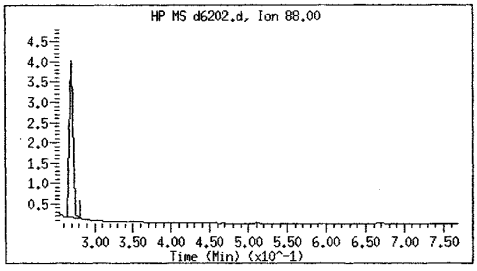
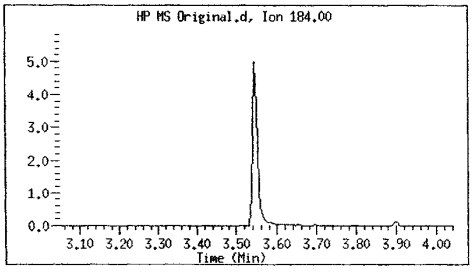
Date: 06/02/2008 11:56



46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



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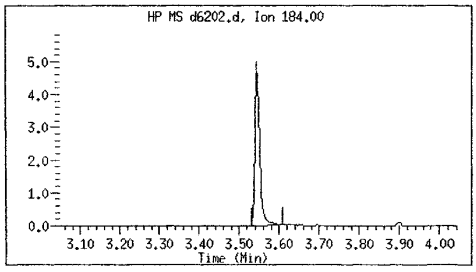
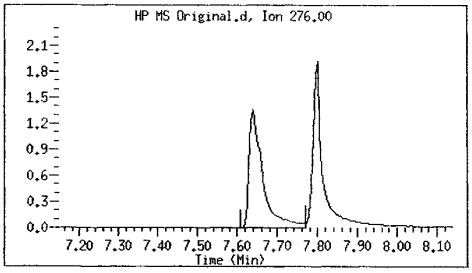
User: root
Date: 06/02/2008 11:58



170721

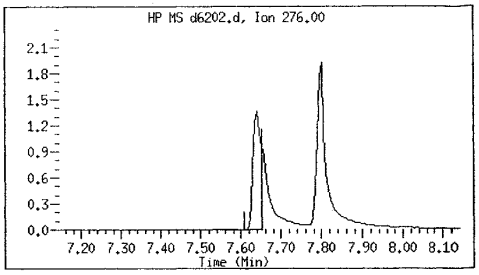
Original Final

82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



Electronic Signature Applied

User: root
Date: 06/02/2008 11:58



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080602.s.b/d6203.d
Lab Smp Id: 1207 Client Smp ID: STD120
Inj Date : 02-JUN-2008 09:39
Operator : KCB Inst ID: MSSV5.i
Smp Info : 1207*35-22-4
Misc Info : STD120*MSSV~5010~*
Comment :
Method : /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m
Meth Date : 13-Jun-2008 11:56 rlw Quant Type: ISTD
Cal Date : 02-JUN-2008 09:39 Cal File: d6203.d
Als bottle: 7 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	0.312	0.312	(0.196)	1146539	120.000	121
	1 n-Nitrosodimethylamine	42	0.312	0.312	(0.196)	226008	120.000	160
$	3 2-Fluorophenol	112	0.735	0.735	(0.462)	1406709	120.000	115
$	4 Phenol-d5	99	1.478	1.478	(0.929)	3214452	120.000	118
	5 Aniline	93	1.382	1.382	(0.869)	1763650	120.000	86.6
	6 Phenol +	94	1.489	1.489	(0.936)	3705154	120.000	121
	7 bis(-2-Chloroethyl)Ether	63	1.446	1.446	(0.909)	1924631	120.000	123
	8 2-Chlorophenol	128	1.484	1.484	(0.933)	2142036	120.000	121
	9 1,3-Dichlorobenzene	146	1.548	1.548	(0.973)	2500574	120.000	123
*	10 1,4-Dichlorobenzene-d4	152	1.591	1.591	(1.000)	543003	40.0000	
	11 1,4-Dichlorobenzene +	146	1.601	1.601	(1.007)	2538967	120.000	124
	12 Benzyl alcohol	108	1.751	1.751	(1.101)	1716770	120.000	121
	13 1,2-Dichlorobenzene	146	1.703	1.703	(1.071)	2409827	120.000	124

170723

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	15 2-Methylphenol	108	1.874	1.874	(1.178)	2374640	120.000	121
	14 Bis(2-chloroisopropyl)ether	45	1.821	1.821	(1.145)	2579651	120.000	122
	17 3- & 4-Methylphenol	108	1.981	1.981	(1.245)	2396805	120.000	119
	16 N-Nitroso-di-n-propylamine++	70	1.928	1.928	(1.212)	2259892	120.000	122
	18 Hexachloroethane	117	1.911	1.911	(1.202)	1080503	120.000	120
$	19 Nitrobenzene-d5	82	1.981	1.981	(0.824)	3085151	120.000	123
	20 Nitrobenzene	77	1.992	1.992	(0.829)	4384502	120.000	122
	21 Isophorone	82	2.152	2.152	(0.895)	5699533	120.000	123
	22 2-Nitrophenol +	139	2.190	2.190	(0.911)	1096349	120.000	123
	23 2,4-Dimethyphenol	107	2.286	2.286	(0.951)	2693879	120.000	122
	24 bis(-2-Chloroethoxy)methane	93	2.313	2.313	(0.962)	3232468	120.000	122
	25 Benzoic Acid	122	2.462	2.462	(1.024)	944108	120.000	148
	26 2,4-Dichlorophenol +	162	2.377	2.377	(0.989)	1590829	120.000	123
	27 1,2,4-Trichlorobenzene	180	2.382	2.382	(0.991)	1918225	120.000	120
*	28 Naphthalene-d8	136	2.404	2.404	(1.000)	1934127	40.0000	
	29 Naphthalene	128	2.414	2.414	(1.004)	6211483	120.000	124
	30 4-Chloroaniline	127	2.484	2.484	(1.033)	1401823	120.000	119
	31 Hexachlorobutadiene +	225	2.511	2.511	(1.044)	1304832	120.000	121
	32 4-Chloro-3-Methylphenol +	107	2.853	2.853	(1.187)	1984228	120.000	121
	33 2-Methylnaphthalene	142	2.842	2.842	(1.182)	3945378	120.000	119
	145 1-Methylnapthalene	142	2.896	2.896	(1.205)	3438288	120.000	121
	34 Hexachlorocyclopentadiene ++	237	2.944	2.944	(0.851)	1174023	120.000	119
	35 2,4,6-Trichlorophenol +	196	3.045	3.045	(0.881)	1094310	120.000	123
	36 2,4,5-Trichlorphenol	196	3.099	3.099	(0.896)	1187328	120.000	128
$	37 2-Fluorobiphenyl	172	3.077	3.077	(0.890)	3781164	120.000	123
	38 2-Chloronaphthalene	162	3.131	3.131	(0.906)	3339914	120.000	121
	39 2-Nitroaniline	138	3.227	3.227	(0.933)	1110503	120.000	124
	40 Dimethylphthalate	163	3.350	3.350	(0.969)	3430630	120.000	121
	41 2,6-Dinitrotoluene	165	3.618	3.618	(1.046)	1083540	120.000	121
	42 Acenaphthylene	152	3.366	3.366	(0.974)	4656816	120.000	117
	43 3-Nitroaniline	138	3.479	3.479	(1.006)	755955	120.000	119
*	44 Acenaphthene-d10	164	3.457	3.457	(1.000)	1000831	40.0000	
	45 Acenaphthene +	153	3.473	3.473	(1.005)	3128190	120.000	120
	46 2,4-Dinitrophenol ++	184	3.548	3.548	(1.026)	549090	120.000	119(M1)
	49 4-Nitrophenol ++	109	3.693	3.693	(1.068)	484720	120.000	119
	47 Dibenzofuran	168	3.580	3.580	(1.036)	4532070	120.000	123
	48 2,4-Dinitrotoluene	165	3.618	3.618	(1.046)	1083540	120.000	121
	50 Diethylphthalate	149	3.778	3.778	(1.093)	3137159	120.000	119
	52 4-Chlorophenyl-phenylether	204	3.805	3.805	(1.101)	1689897	120.000	120
	51 Fluorene	166	3.784	3.784	(1.094)	3447473	120.000	121
	53 4-Nitroaniline	138	3.853	3.853	(1.114)	748627	120.000	121
	54 4,6-Dinitro-o-cresol	198	3.864	3.864	(0.891)	691805	120.000	134
	55 N-nitrosodiphenylamine (1)+	169	3.890	3.890	(0.898)	2293416	120.000	123
	56 Azobenzene	77	3.901	3.901	(0.900)	5837658	120.000	125
$	57 2,4,6-Tribromophenol	332	3.939	3.939	(1.139)	457060	120.000	126
	58 4-Bromophenyl-phenylether	248	4.094	4.094	(0.944)	846617	120.000	125
	59 Hexachlorobenzene	284	4.115	4.115	(0.949)	1026020	120.000	124

170724

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	60 Pentachlorophenol +	266	4.260	4.260	(0.983)	670937	120.000	122
*	61 Phenanthrene-d10	188	4.334	4.334	(1.000)	1515558	40.0000	
	62 Phenanthrene	178	4.350	4.350	(1.004)	4557570	120.000	125
	63 Anthracene	178	4.383	4.383	(1.011)	4564768	120.000	126
	64 Carbazole	167	4.506	4.506	(1.039)	4007026	120.000	124
	65 Di-n-butylphthalate	149	4.757	4.757	(1.097)	4993825	120.000	127
	67 Fluoranthene +	202	5.062	5.062	(1.168)	4782677	120.000	129
	68 Benzidine	184	5.179	5.179	(0.871)	58163	120.000	110 (M3)
	69 Pyrene	202	5.062	5.062	(0.852)	4782677	120.000	124
$	70 Terphenyl-d14	244	5.319	5.319	(0.895)	3295099	120.000	125
	71 Butylbenzylphthalate	149	5.645	5.645	(0.950)	2013269	120.000	125
	73 3,3'-Dichlorobenzidine	252	5.955	5.955	(1.002)	1199667	120.000	117
	72 Benzo(a)anthracene	228	5.934	5.934	(0.998)	4111783	120.000	129
*	74 Chrysene-d12	240	5.944	5.944	(1.000)	1196610	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.051	6.051	(1.018)	2563899	120.000	126
	75 Chrysene	228	5.960	5.960	(1.003)	4494146	120.000	124
	77 Di-n-octylphthalate +	149	6.517	6.517	(1.096)	4141904	120.000	121
	78 Benzo(b)fluoranthene	252	6.677	6.677	(0.964)	3566470	120.000	120
	79 Benzo(k)fluoranthene	252	6.699	6.699	(0.967)	4903214	120.000	127
	80 Benzo(a)pyrene +	252	6.896	6.896	(0.995)	3628649	120.000	120
*	81 Perylene-d12	264	6.928	6.928	(1.000)	996307	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.645	7.645	(1.286)	2786701	120.000	119 (M2)
	83 Dibenzo(a,h)anthracene	278	7.661	7.661	(1.106)	3823900	120.000	119
	84 Benzo(g,h,i)perylene	276	7.806	7.806	(1.127)	4303896	120.000	119
M	66 Total Methylphenol	108				4771445	240.000	240
	91 Acetophenone	105	1.890	1.890	(1.188)	3227780	120.000	120
	155 Benzaldehyde	77	1.275	1.275	(0.802)	661276	120.000	70.9
	156 Caprolactam	113	2.751	2.751	(1.145)	510990	120.000	109
	157 Biphenyl	154	3.131	3.131	(1.303)	4079463	120.000	119
	158 Atrazine	200	4.243	4.243	(0.979)	358490	120.000	102
	174 1,4-Dioxane	88	0.269	0.269	(0.169)	326434	120.000	158 (M1)

QC Flag Legend

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.

Data File: /var/chem/MSSV5.i/2080602.s.b/d6203.d

Date : 02-JUN-2008 09:39

Client ID: STD120

Instrument: MSSV5.i

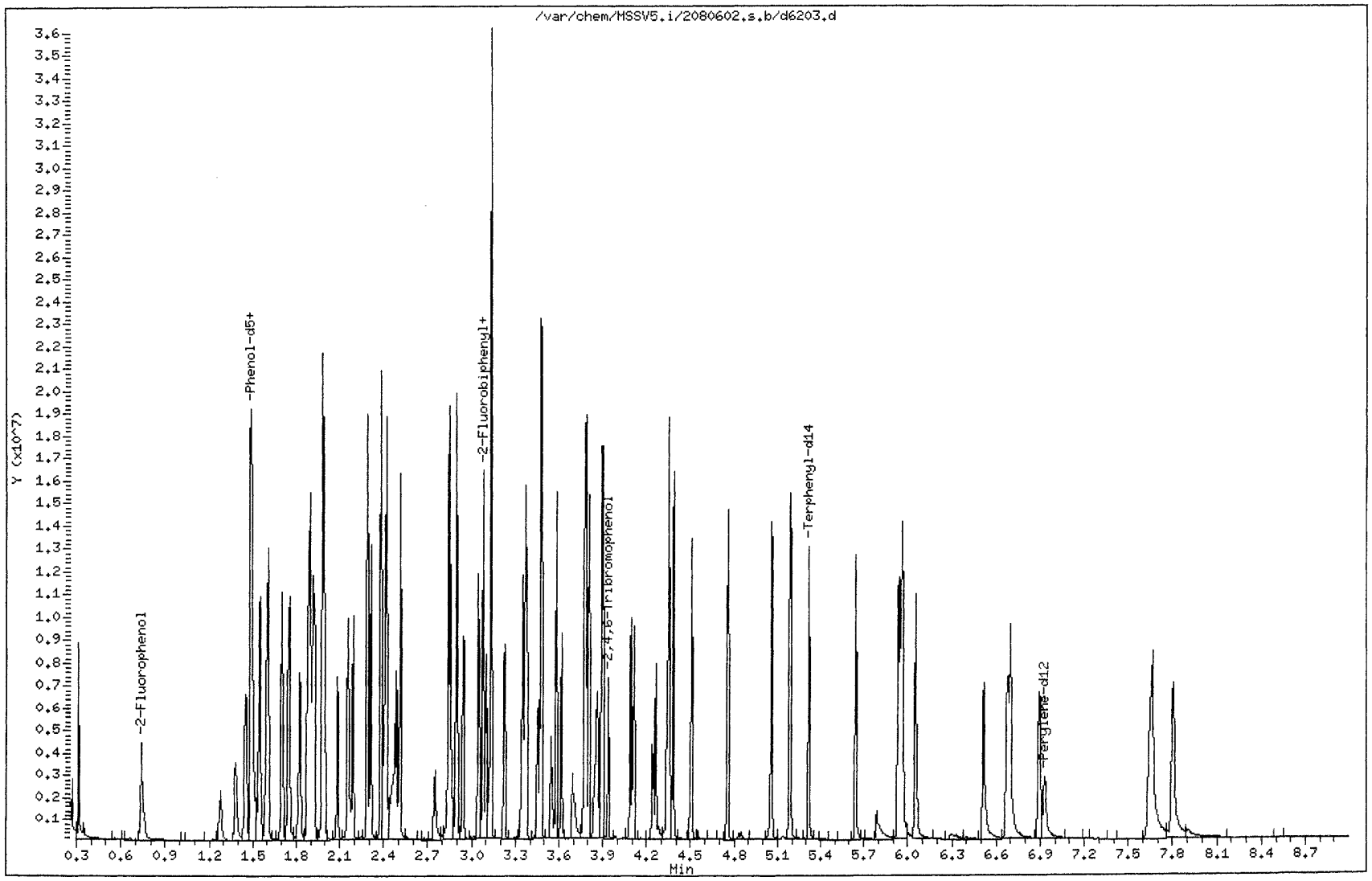
Sample Info: 1207*35-22-4

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

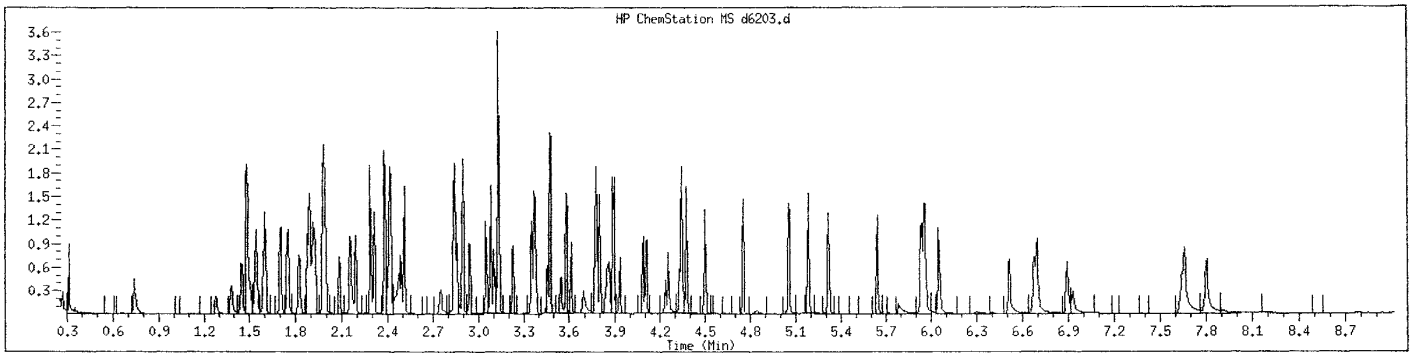
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2080602.s.b/d6203.d Page: 1
Report Date: 06/13/2008 11:56

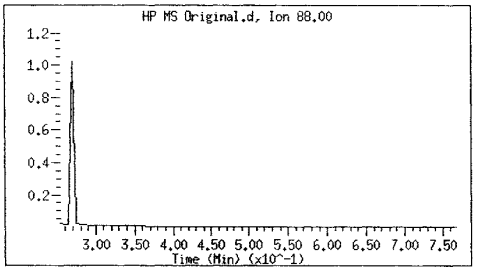
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1207	SampleType	: CALIB_7
Injection Date	: 06/02/2008 09:39	Instrument	: MSSV5.i
Operator	: KCB		
Sample Info	: 1207*35-22-4		
Misc Info	: STD120*MSSV~5010~*		
Method	: /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist:	8270C



Original Final

174 1,4-Dioxane CAS#: 123-91-1 Reason: M1



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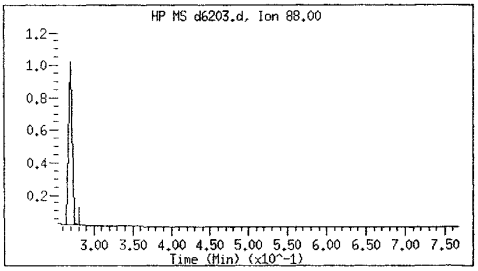
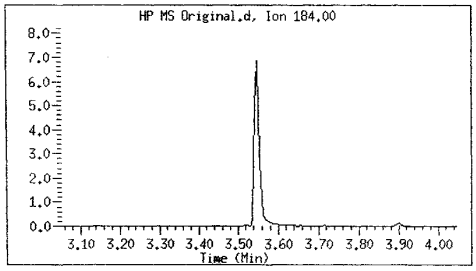
Date: 06/02/2008 11:58



46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



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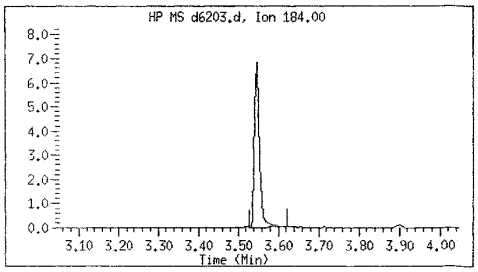
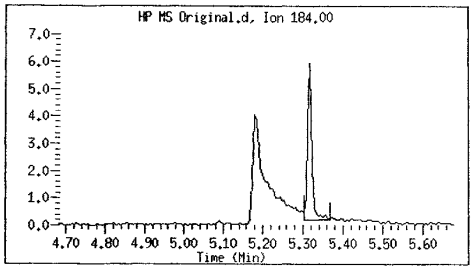
Date: 06/02/2008 12:06



170727

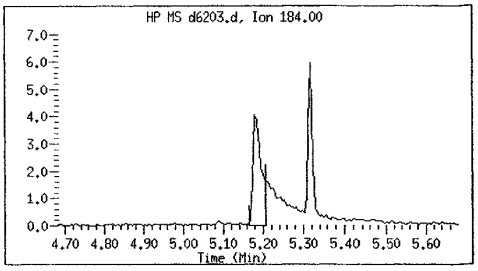
Original Final

68 Benzidine CAS#: 92-87-5 Reason: M3

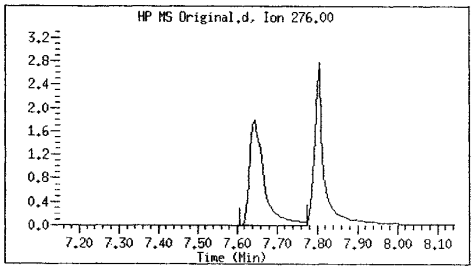


Electronic Signature Applied

User: root
Date: 06/02/2008 12:07



82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



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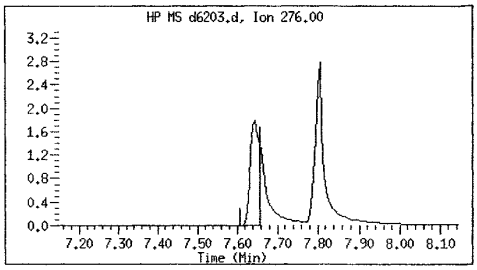
User: root
Date: 06/02/2008 12:07



M1 - Target system did not integrate
M2 - Target system integrated incorrectly
M3 - Target system integrated incorrect peak

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080602.s.b/d6204.d
Lab Smp Id: 1208 Client Smp ID: STD160
Inj Date : 02-JUN-2008 09:55
Operator : KCB Inst ID: MSSV5.i
Smp Info : 1208*35-22-5
Misc Info : STD160*MSSV~5010~*
Comment :
Method : /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m
Meth Date : 13-Jun-2008 11:56 rlw Quant Type: ISTD
Cal Date : 02-JUN-2008 09:55 Cal File: d6204.d
Als bottle: 8 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	0.318	0.318	(0.199)	1303571	160.000	120
	1 n-Nitrosodimethylamine	42	0.318	0.318	(0.199)	602860	160.000	372(A)
$	3 2-Fluorophenol	112	0.735	0.735	(0.460)	2326337	160.000	164
$	4 Phenol-d5	99	1.478	1.478	(0.926)	5612470	160.000	175
	5 Aniline	93	1.387	1.387	(0.869)	2450094	160.000	159
	6 Phenol +	94	1.489	1.489	(0.933)	5762361	160.000	164
	7 bis(-2-Chloroethyl)Ether	63	1.457	1.457	(0.913)	3059663	160.000	168
	8 2-Chlorophenol	128	1.489	1.489	(0.933)	3332394	160.000	163
	9 1,3-Dichlorobenzene	146	1.553	1.553	(0.973)	3918122	160.000	166
*	10 1,4-Dichlorobenzene-d4	152	1.596	1.596	(1.000)	623218	40.0000	
	11 1,4-Dichlorobenzene +	146	1.607	1.607	(1.007)	3991229	160.000	167
	12 Benzyl alcohol	108	1.762	1.762	(1.104)	2655670	160.000	162
	13 1,2-Dichlorobenzene	146	1.703	1.703	(1.067)	3821839	160.000	169

170729

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	15 2-Methylphenol	108	1.879	1.879	(1.178)	2920258	160.000	135
	14 Bis(2-chloroisopropyl)ether	45	1.826	1.826	(1.144)	4139294	160.000	168
	17 3- & 4-Methylphenol	108	1.986	1.986	(1.245)	3714148	160.000	161
	16 N-Nitroso-di-n-propylamine++	70	1.938	1.938	(1.214)	3456563	160.000	162
	18 Hexachloroethane	117	1.917	1.917	(1.201)	1703889	160.000	163
$	19 Nitrobenzene-d5	82	1.986	1.986	(0.825)	4757121	160.000	161
	20 Nitrobenzene	77	1.997	1.997	(0.829)	6830653	160.000	161
	21 Isophorone	82	2.163	2.163	(0.898)	8655706	160.000	159
	22 2-Nitrophenol +	139	2.195	2.195	(0.911)	1707674	160.000	162
	23 2,4-Dimethyphenol	107	2.291	2.291	(0.951)	4087198	160.000	158
	24 bis(-2-Chloroethoxy)methane	93	2.318	2.318	(0.962)	5092635	160.000	163
	25 Benzoic Acid	122	2.484	2.484	(1.031)	1497702	160.000	158
	26 2,4-Dichlorophenol +	162	2.377	2.377	(0.987)	2447668	160.000	161
	27 1,2,4-Trichlorobenzene	180	2.382	2.382	(0.989)	3048789	160.000	162
*	28 Naphthalene-d8	136	2.409	2.409	(1.000)	2274472	40.0000	
	29 Naphthalene	128	2.420	2.420	(1.004)	7695073	160.000	136
	30 4-Chloroaniline	127	2.489	2.489	(1.033)	1904093	160.000	156
	31 Hexachlorobutadiene +	225	2.516	2.516	(1.044)	2057606	160.000	160
	32 4-Chloro-3-Methylphenol +	107	2.853	2.853	(1.184)	2988302	160.000	156
	33 2-Methylnaphthalene	142	2.842	2.842	(1.180)	7801505	160.000	160
	145 1-Methylnapthalene	142	2.901	2.901	(1.204)	5423828	160.000	162
	34 Hexachlorocyclopentadiene ++	237	2.944	2.944	(0.851)	1883812	160.000	160
	35 2,4,6-Trichlorophenol +	196	3.051	3.051	(0.882)	1642726	160.000	166
	36 2,4,5-Trichlorphenol	196	3.099	3.099	(0.896)	1690087	160.000	164
$	37 2-Fluorobiphenyl	172	3.083	3.083	(0.892)	5714748	160.000	167
	38 2-Chloronaphthalene	162	3.131	3.131	(0.906)	4951240	160.000	163
	39 2-Nitroaniline	138	3.227	3.227	(0.933)	1621220	160.000	163
	40 Dimethylphthalate	163	3.356	3.356	(0.971)	5056987	160.000	162
	41 2,6-Dinitrotoluene	165	3.623	3.623	(1.048)	1593732	160.000	162
	42 Acenaphthylene	152	3.372	3.372	(0.975)	6059729	160.000	142
	43 3-Nitroaniline	138	3.484	3.484	(1.008)	1069190	160.000	154
*	44 Acenaphthene-d10	164	3.457	3.457	(1.000)	1102429	40.0000	
	45 Acenaphthene +	153	3.479	3.479	(1.006)	4612009	160.000	161
	46 2,4-Dinitrophenol ++	184	3.554	3.554	(1.028)	826963	160.000	159
	49 4-Nitrophenol ++	109	3.693	3.693	(1.068)	741775	160.000	159
	47 Dibenzofuran	168	3.586	3.586	(1.037)	5950629	160.000	149
	48 2,4-Dinitrotoluene	165	3.623	3.623	(1.048)	1593732	160.000	162
	50 Diethylphthalate	149	3.784	3.784	(1.094)	4507659	160.000	156
	52 4-Chlorophenyl-phenylether	204	3.810	3.810	(1.102)	2610113	160.000	166
	51 Fluorene	166	3.789	3.789	(1.096)	5026977	160.000	160
	53 4-Nitroaniline	138	3.864	3.864	(1.118)	1080050	160.000	158
	54 4,6-Dinitro-o-cresol	198	3.875	3.875	(0.893)	980886	160.000	175
	55 N-nitrosodiphenylamine (1)+	169	3.896	3.896	(0.898)	3418776	160.000	170
	56 Azobenzene	77	3.901	3.901	(0.899)	7877352	160.000	159
$	57 2,4,6-Tribromophenol	332	3.944	3.944	(1.141)	714771	160.000	175
	58 4-Bromophenyl-phenylether	248	4.094	4.094	(0.943)	1239697	160.000	170
	59 Hexachlorobenzene	284	4.115	4.115	(0.948)	1546074	160.000	172

170730

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	4.265	4.265	(0.983)	955904	160.000	160
*	61 Phenanthrene-d10	188	4.340	4.340	(1.000)	1614764	40.0000	
	62 Phenanthrene	178	4.356	4.356	(1.004)	6357234	160.000	163
	63 Anthracene	178	4.383	4.383	(1.010)	6073464	160.000	157
	64 Carbazole	167	4.511	4.511	(1.039)	5590329	160.000	162
	65 Di-n-butylphthalate	149	4.757	4.757	(1.096)	6764881	160.000	161
	67 Fluoranthene +	202	5.062	5.062	(1.166)	6178435	160.000	157
	68 Benzidine	184	5.185	5.185	(0.871)	113731	160.000	191(M3)
	69 Pyrene	202	5.062	5.062	(0.851)	6178437	160.000	153
$	70 Terphenyl-d14	244	5.319	5.319	(0.894)	4584153	160.000	164
	71 Butylbenzylphthalate	149	5.645	5.645	(0.949)	2813661	160.000	165
	73 3,3'-Dichlorobenzidine	252	5.960	5.960	(1.002)	1694340	160.000	157
	72 Benzo(a)anthracene	228	5.939	5.939	(0.998)	5656266	160.000	166
*	74 Chrysene-d12	240	5.950	5.950	(1.000)	1264998	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.057	6.057	(1.018)	3595653	160.000	166
	75 Chrysene	228	5.966	5.966	(1.003)	6735882	160.000	172
	77 Di-n-octylphthalate +	149	6.517	6.517	(1.095)	6139216	160.000	163
	78 Benzo(b)fluoranthene	252	6.688	6.688	(0.965)	5803558	160.000	158(M3)
	79 Benzo(k)fluoranthene	252	6.704	6.704	(0.967)	7169128	160.000	161(M2)
	80 Benzo(a)pyrene +	252	6.902	6.902	(0.995)	5701943	160.000	161
*	81 Perylene-d12	264	6.934	6.934	(1.000)	1141757	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.656	7.656	(1.287)	5079521	160.000	160(M2)
	83 Dibenzo(a,h)anthracene	278	7.672	7.672	(1.106)	6348845	160.000	160
	84 Benzo(g,h,i)perylene	276	7.816	7.816	(1.127)	7438797	160.000	160
M	66 Total Methylphenol	108				6634406	320.000	296
	91 Acetophenone	105	1.896	1.896	(1.188)	5063807	160.000	164
	155 Benzaldehyde	77	1.280	1.280	(0.802)	784080	160.000	73.2
	156 Caprolactam	113	2.773	2.773	(1.151)	758875	160.000	142
	157 Biphenyl	154	3.136	3.136	(1.302)	5130807	160.000	133
	158 Atrazine	200	4.249	4.249	(0.979)	545373	160.000	149
	174 1,4-Dioxane	88	0.275	0.275	(0.172)	494747	160.000	197

QC Flag Legend

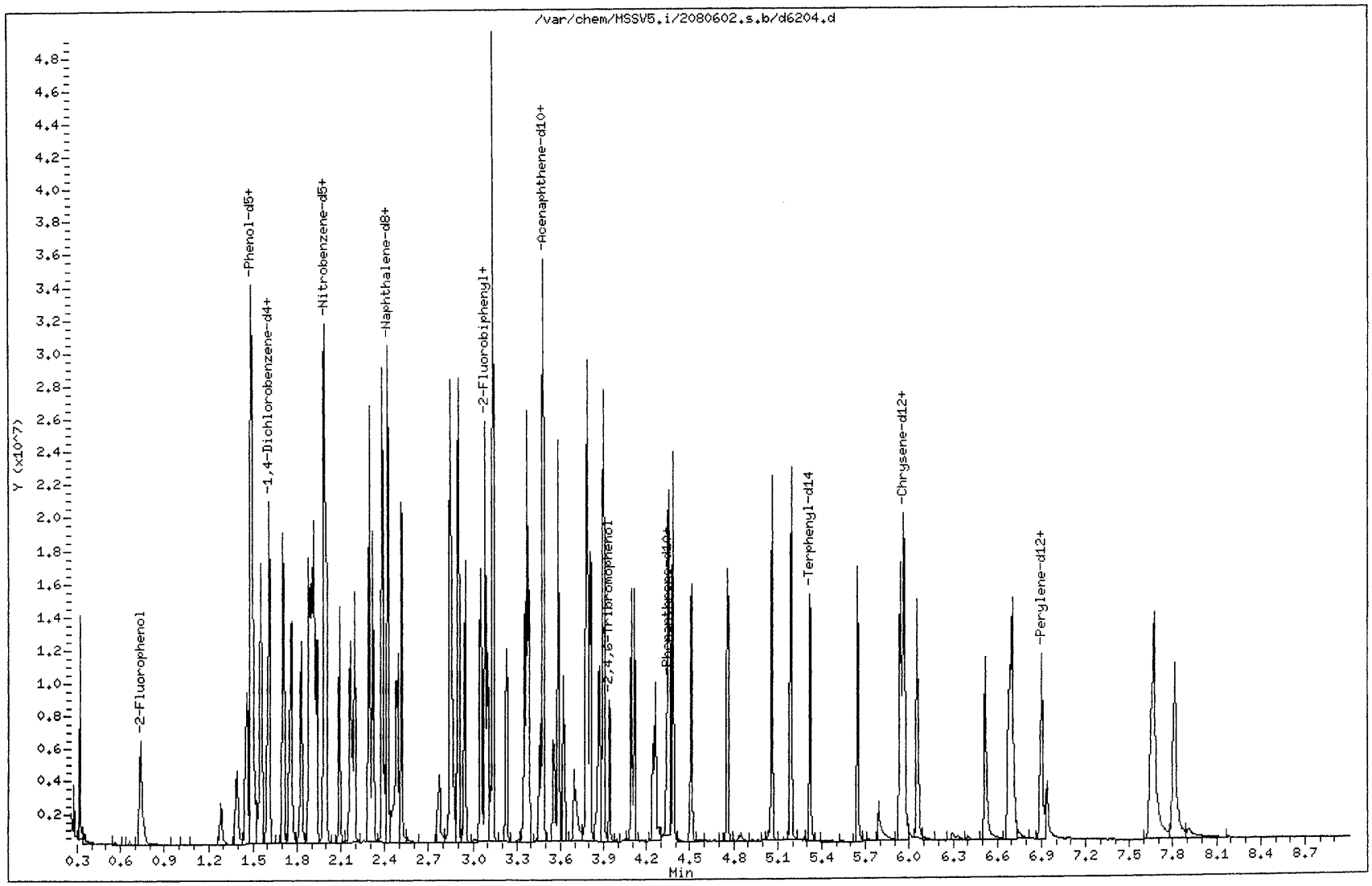
A - Target compound detected but, quantitated amount exceeded maximum amount.
M2- Compound response manually integrated because Target system integrated incorrectly.
M3- Compound response manually integrated because Target system integrated incorrect peak.

170731

Data File: /var/chem/MSSV5.i/2080602.s.b/d6204.d
Date : 02-JUN-2008 09:55
Client ID: STD160
Sample Info: 1208*35-22-5
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i

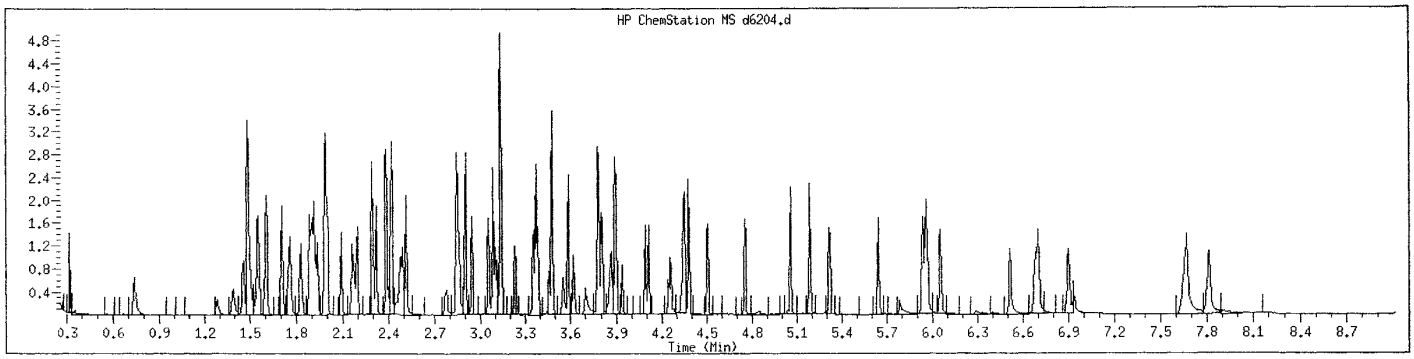
Operator: KCB
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2080602.s.b/d6204.d Page: 1
Report Date: 06/13/2008 11:56

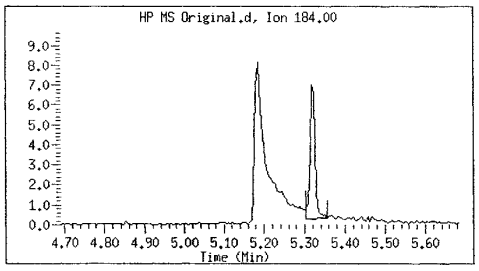
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1208 SampleType : CALIB_8
Injection Date: 06/02/2008 09:55 Instrument : MSSV5.i
Operator : KCB
Sample Info : 1208*35-22-5
Misc Info : STD160*MSSV~5010~*
Method : /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



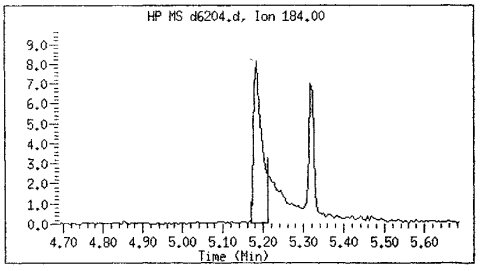
Original Final

68 Benzidine CAS#: 92-87-5 Reason: M3

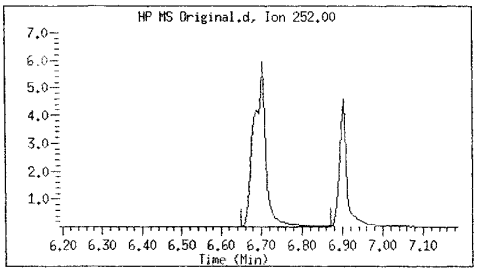


Electronic Signature
Applied

User: root
Date: 06/02/2008 12:08

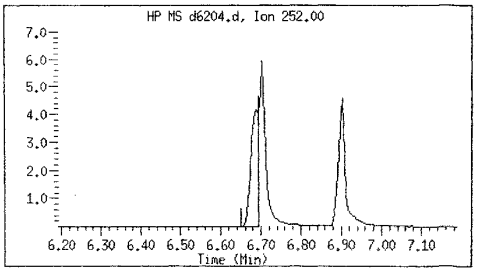


78 Benzo(b)fluoranthene CAS#: 205-99-2 Reason: M3



Electronic Signature
Applied

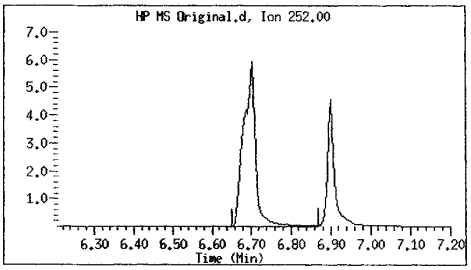
User: root
Date: 06/02/2008 12:08



170733

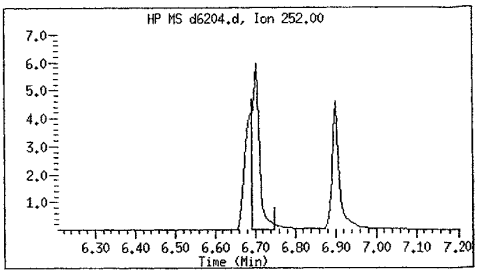
Original Final

79 Benzo(k)fluoranthene CAS#: 207-08-9 Reason: M2

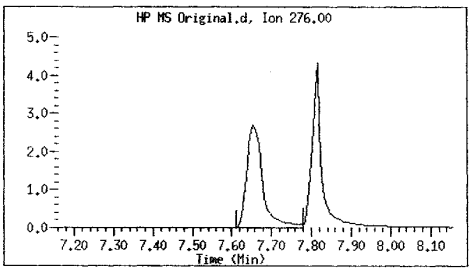


Electronic Signature Applied

User: root
Date: 06/02/2008 12:08



82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



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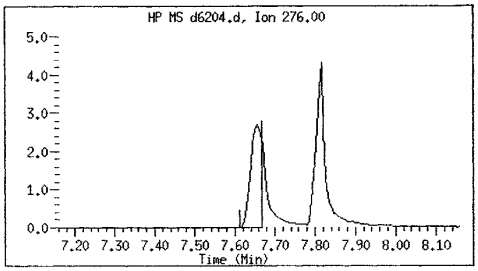
User: root
Date: 06/02/2008 12:09



M2 - Target system integrated incorrectly
M3 - Target system integrated incorrect peak

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080602.s.b/d6205.d
Lab Smp Id: 1209 Client Smp ID: STD200
Inj Date : 02-JUN-2008 10:10
Operator : KCB Inst ID: MSSV5.i
Smp Info : 1209*35-22-6
Misc Info : STD200*MSSV~5010~*
Comment :
Method : /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m
Meth Date : 13-Jun-2008 11:56 rlw Quant Type: ISTD
Cal Date : 02-JUN-2008 10:10 Cal File: d6205.d
Als bottle: 9 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	0.318	0.318	(0.198)	1292752	200.000	124
	1 n-Nitrosodimethylamine	42	0.318	0.318	(0.198)	403968	200.000	262(A)
$	3 2-Fluorophenol	112	0.735	0.735	(0.459)	2602021	200.000	194
$	4 Phenol-d5	99	1.484	1.484	(0.927)	5945335	200.000	195
	5 Aniline	93	1.393	1.393	(0.870)	2470131	200.000	128
	6 Phenol +	94	1.494	1.494	(0.933)	6715495	200.000	200(A)
	7 bis(-2-Chloroethyl)Ether	63	1.462	1.462	(0.913)	3567649	200.000	204(A)
	8 2-Chlorophenol	128	1.489	1.489	(0.930)	3850584	200.000	198
	9 1,3-Dichlorobenzene	146	1.553	1.553	(0.970)	4574897	200.000	203(A)
*	10 1,4-Dichlorobenzene-d4	152	1.601	1.601	(1.000)	593511	40.0000	
	11 1,4-Dichlorobenzene +	146	1.612	1.612	(1.007)	4628617	200.000	203(A)
	12 Benzyl alcohol	108	1.767	1.767	(1.104)	3035432	200.000	196
	13 1,2-Dichlorobenzene	146	1.708	1.708	(1.067)	4382155	200.000	203(A)

170735

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	15 2-Methylphenol	108	1.885	1.885	(1.177)	3482272	200.000	169
	14 Bis(2-chloroisopropyl)ether	45	1.831	1.831	(1.144)	4840086	200.000	205(A)
	17 3- & 4-Methylphenol	108	1.986	1.986	(1.240)	4088332	200.000	188
	16 N-Nitroso-di-n-propylamine++	70	1.944	1.944	(1.214)	3926362	200.000	195
	18 Hexachloroethane	117	1.917	1.917	(1.197)	1976888	200.000	199
$	19 Nitrobenzene-d5	82	1.992	1.992	(0.827)	5468442	200.000	202(A)
	20 Nitrobenzene	77	2.003	2.003	(0.831)	7771246	200.000	200
	21 Isophorone	82	2.168	2.168	(0.900)	9843880	200.000	198
	22 2-Nitrophenol +	139	2.200	2.200	(0.913)	1960127	200.000	203(A)
	23 2,4-Dimethyphenol	107	2.297	2.297	(0.953)	4698848	200.000	198
	24 bis(-2-Chloroethoxy)methane	93	2.323	2.323	(0.964)	5849736	200.000	204(A)
	25 Benzoic Acid	122	2.489	2.489	(1.033)	1599881	200.000	195
	26 2,4-Dichlorophenol +	162	2.382	2.382	(0.989)	2705006	200.000	195
	27 1,2,4-Trichlorobenzene	180	2.388	2.388	(0.991)	3544747	200.000	205(A)
*	28 Naphthalene-d8	136	2.409	2.409	(1.000)	2085318	40.0000	
	29 Naphthalene	128	2.420	2.420	(1.004)	7821699	200.000	151
	30 4-Chloroaniline	127	2.495	2.495	(1.036)	1843567	200.000	169
	31 Hexachlorobutadiene +	225	2.516	2.516	(1.044)	2394645	200.000	201(A)
	32 4-Chloro-3-Methylphenol +	107	2.858	2.858	(1.186)	3164558	200.000	183
	33 2-Methylnaphthalene	142	2.848	2.848	(1.182)	8672273	200.000	194
	145 1-Methylnapthalene	142	2.901	2.901	(1.204)	6144442	200.000	200(A)
	34 Hexachlorocyclopentadiene ++	237	2.944	2.944	(0.851)	2082501	200.000	196
	35 2,4,6-Trichlorophenol +	196	3.051	3.051	(0.882)	1887194	200.000	205(A)
	36 2,4,5-Trichlorphenol	196	3.099	3.099	(0.896)	1871339	200.000	197
$	37 2-Fluorobiphenyl	172	3.083	3.083	(0.892)	6583001	200.000	207(A)
	38 2-Chloronaphthalene	162	3.136	3.136	(0.907)	5703674	200.000	202(A)
	39 2-Nitroaniline	138	3.233	3.233	(0.935)	1792013	200.000	196
	40 Dimethylphthalate	163	3.356	3.356	(0.971)	5867119	200.000	202(A)
	41 2,6-Dinitrotoluene	165	3.623	3.623	(1.048)	1812243	200.000	199
	42 Acenaphthylene	152	3.372	3.372	(0.975)	7146239	200.000	184
	43 3-Nitroaniline	138	3.484	3.484	(1.008)	1160307	200.000	184
*	44 Acenaphthene-d10	164	3.457	3.457	(1.000)	1019278	40.0000	
	45 Acenaphthene +	153	3.484	3.484	(1.008)	5368466	200.000	202(A)
	46 2,4-Dinitrophenol ++	184	3.554	3.554	(1.028)	926556	200.000	197
	49 4-Nitrophenol ++	109	3.698	3.698	(1.070)	795935	200.000	211(A)
	47 Dibenzofuran	168	3.586	3.586	(1.037)	7091501	200.000	193
	48 2,4-Dinitrotoluene	165	3.623	3.623	(1.048)	1812243	200.000	199
	50 Diethylphthalate	149	3.784	3.784	(1.094)	5126309	200.000	193
	52 4-Chlorophenyl-phenylether	204	3.810	3.810	(1.102)	2927006	200.000	201(A)
	51 Fluorene	166	3.789	3.789	(1.096)	5817945	200.000	200(A)
	53 4-Nitroaniline	138	3.875	3.875	(1.121)	1196364	200.000	191
	54 4,6-Dinitro-o-cresol	198	3.880	3.880	(0.894)	1105064	200.000	215(A)
	55 N-nitrosodiphenylamine (1)+	169	3.896	3.896	(0.898)	3791853	200.000	208(A)
	56 Azobenzene	77	3.901	3.901	(0.899)	7917960	200.000	181
$	57 2,4,6-Tribromophenol	332	3.944	3.944	(1.141)	801670	200.000	210(A)
	58 4-Bromophenyl-phenylether	248	4.099	4.099	(0.945)	1462215	200.000	218(A)
	59 Hexachlorobenzene	284	4.121	4.121	(0.949)	1831651	200.000	221(A)

170736

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	4.265	4.265	(0.983)	1075298	200.000	199
*	61 Phenanthrene-d10	188	4.340	4.340	(1.000)	1454670	40.0000	
	62 Phenanthrene	178	4.356	4.356	(1.004)	6920072	200.000	197
	63 Anthracene	178	4.388	4.388	(1.011)	6368693	200.000	186
	64 Carbazole	167	4.511	4.511	(1.039)	6233984	200.000	201(A)
	65 Di-n-butylphthalate	149	4.762	4.762	(1.097)	6875755	200.000	185
	67 Fluoranthene +	202	5.062	5.062	(1.166)	7117787	200.000	201(A)
	68 Benzidine	184	5.185	5.185	(0.871)	152630	200.000	281(AM3)
	69 Pyrene	202	5.062	5.062	(0.851)	7117787	200.000	213(A)
$	70 Terphenyl-d14	244	5.324	5.324	(0.895)	4986420	200.000	215(A)
	71 Butylbenzylphthalate	149	5.650	5.650	(0.950)	2919431	200.000	207(A)
	73 3,3'-Dichlorobenzidine	252	5.961	5.961	(1.002)	1693131	200.000	193
	72 Benzo(a)anthracene	228	5.939	5.939	(0.998)	6218428	200.000	219(A)
*	74 Chrysene-d12	240	5.950	5.950	(1.000)	1034277	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.057	6.057	(1.018)	3735610	200.000	209(A)
	75 Chrysene	228	5.971	5.971	(1.004)	6491981	200.000	202(A)
	77 Di-n-octylphthalate +	149	6.517	6.517	(1.095)	6413118	200.000	203(A)
	78 Benzo(b)fluoranthene	252	6.688	6.688	(0.965)	5600412	200.000	226(A)
	79 Benzo(k)fluoranthene	252	6.704	6.704	(0.967)	8398288	200.000	221(A)
	80 Benzo(a)pyrene +	252	6.902	6.902	(0.995)	6014265	200.000	200(A)
*	81 Perylene-d12	264	6.934	6.934	(1.000)	956723	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.661	7.661	(1.288)	6637751	200.000	198(M2)
	83 Dibenzo(a,h)anthracene	278	7.672	7.672	(1.106)	6884582	200.000	199
	84 Benzo(g,h,i)perylene	276	7.822	7.822	(1.128)	7918320	200.000	198
M	66 Total Methylphenol	108				7570604	400.000	357
	91 Acetophenone	105	1.901	1.901	(1.187)	5809965	200.000	197
	155 Benzaldehyde	77	1.286	1.286	(0.803)	694693	200.000	68.1
	156 Caprolactam	113	2.783	2.783	(1.155)	847234	200.000	177
	157 Biphenyl	154	3.136	3.136	(1.302)	6265028	200.000	180
	158 Atrazine	200	4.249	4.249	(0.979)	755884	200.000	200
	174 1,4-Dioxane	88	0.275	0.275	(0.172)	452977	200.000	191

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M2- Compound response manually integrated because Target system integrated incorrectly.
M3- Compound response manually integrated because Target system integrated incorrect peak.

170737

Data File: /var/chem/MSSV5.i/2080602.s.b/d6205.d

Date : 02-JUN-2008 10:10

Client ID: STD200

Sample Info: 1209*35-22-6

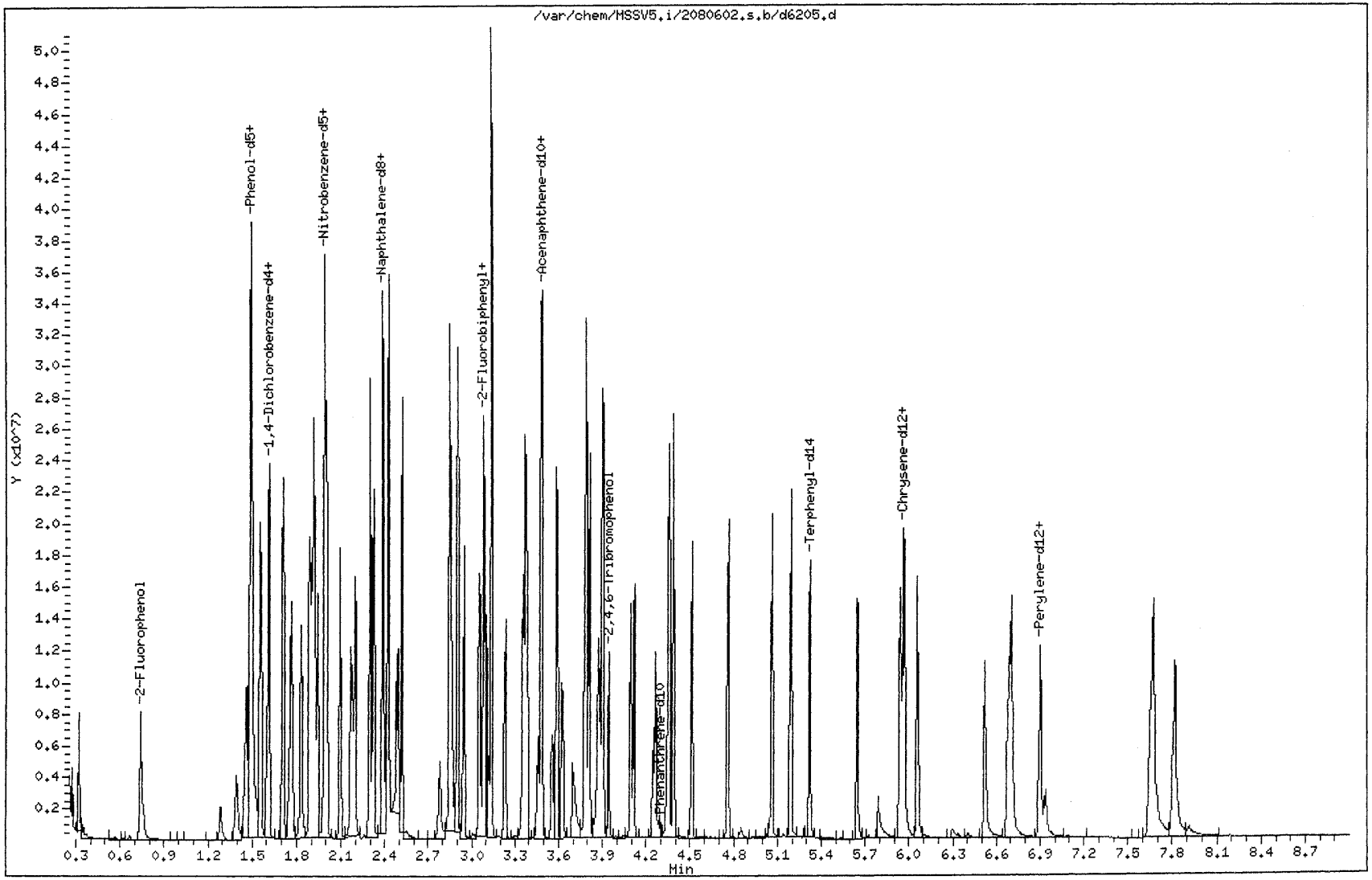
Volume Injected (uL): 1.0

Column phase: RTX-5MS-30M

Instrument: MSSV5.i

Operator: KCB

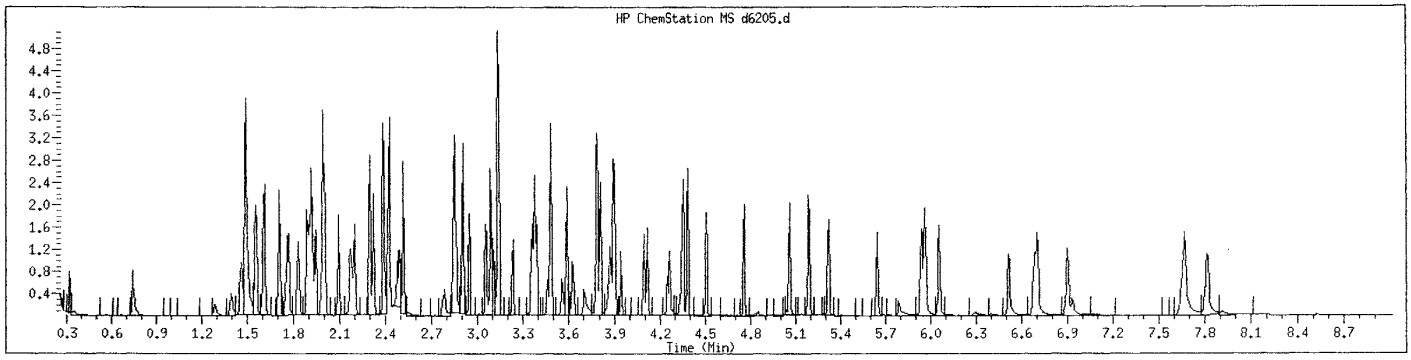
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2080602.s.b/d6205.d Page: 1
Report Date: 06/13/2008 11:56

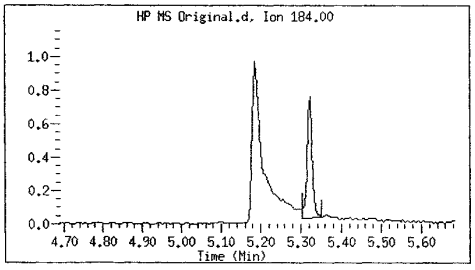
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1209 SampleType : CALIB_9
Injection Date: 06/02/2008 10:10 Instrument : MSSV5.i
Operator : KCB
Sample Info : 1209*35-22-6
Misc Info : STD200*MSSV~5010~*
Method : /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



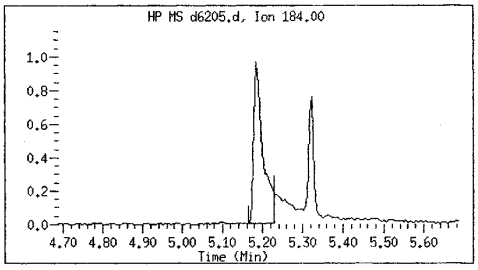
Original Final

68 Benzidine CAS#: 92-87-5 Reason: M3

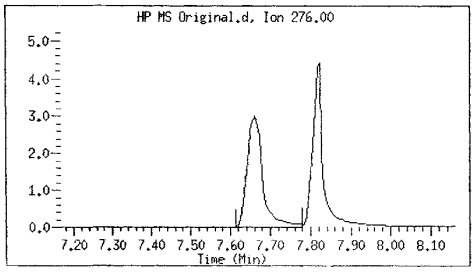


Electronic Signature
Applied

User: root
Date: 06/02/2008 12:10

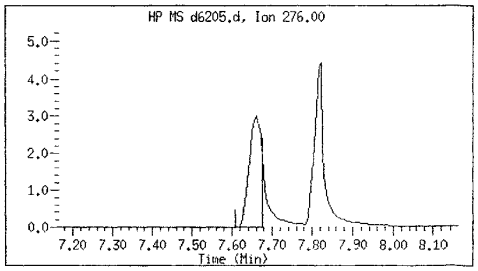


82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



Electronic Signature
Applied

User: root
Date: 06/02/2008 12:11



170739

M2 - Target system integrated incorrectly
M3 - Target system integrated incorrect peak

170740

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080602.s.b/d6206.d
Lab Smp Id: 1203 Client Smp ID: STD002
Inj Date : 02-JUN-2008 10:25
Operator : KCB Inst ID: MSSV5.i
Smp Info : 1203*35-22-7
Misc Info : STD002*MSSV~5010~*
Comment :
Method : /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m
Meth Date : 13-Jun-2008 11:56 rlw Quant Type: ISTD
Cal Date : 02-JUN-2008 10:25 Cal File: d6206.d
Als bottle: 10 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	0.323	0.323	(0.203)	13381	2.00000	3.21(a)
	1 n-Nitrosodimethylamine	42	0.312	0.312	(0.196)	7902	2.00000	3.75(a)
$	3 2-Fluorophenol	112	0.756	0.756	(0.475)	26541	2.00000	1.88(a)
$	4 Phenol-d5	99	1.510	1.510	(0.950)	64380	2.00000	1.99(a)
	5 Aniline	93	1.382	1.382	(0.869)	62438	2.00000	2.83(a)
	6 Phenol +	94	1.521	1.521	(0.956)	65196	2.00000	1.85(a)
	7 bis(-2-Chloroethyl)Ether	63	1.452	1.452	(0.913)	35203	2.00000	1.91(a)
	8 2-Chlorophenol	128	1.494	1.494	(0.939)	39988	2.00000	1.94(a)
	9 1,3-Dichlorobenzene	146	1.548	1.548	(0.973)	50416	2.00000	2.08(a)
*	10 1,4-Dichlorobenzene-d4	152	1.591	1.591	(1.000)	631978	40.0000	
	11 1,4-Dichlorobenzene +	146	1.601	1.601	(1.007)	48083	2.00000	1.98(a)
	12 Benzyl alcohol	108	1.746	1.746	(1.097)	32709	2.00000	1.98(a)
	13 1,2-Dichlorobenzene	146	1.703	1.703	(1.071)	45039	2.00000	1.96(a)

170741

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	15 2-Methylphenol	108	1.880	1.880	(1.182)	45005	2.00000	2.04(a)
	14 Bis(2-chloroisopropyl)ether	45	1.821	1.821	(1.145)	48499	2.00000	1.94(a)
	17 3- & 4-Methylphenol	108	1.992	1.992	(1.252)	48095	2.00000	2.07(a)
	16 N-Nitroso-di-n-propylamine++	70	1.912	1.912	(1.202)	44542	2.00000	2.06(a)
	18 Hexachloroethane	117	1.912	1.912	(1.202)	21693	2.00000	2.05(a)
$	19 Nitrobenzene-d5	82	1.976	1.976	(0.824)	58317	2.00000	1.88(a)
	20 Nitrobenzene	77	1.986	1.986	(0.828)	89621	2.00000	2.01(a)
	21 Isophorone	82	2.147	2.147	(0.895)	117320	2.00000	2.05(a)
	22 2-Nitrophenol +	139	2.190	2.190	(0.913)	20363	2.00000	1.87(a)
	23 2,4-Dimethyphenol	107	2.286	2.286	(0.953)	51440	2.00000	1.92(a)
	24 bis(-2-Chloroethoxy)methane	93	2.307	2.307	(0.962)	61876	2.00000	1.90(a)
	25 Benzoic Acid	122	2.420	2.420	(1.009)	6989	2.00000	11.9
	26 2,4-Dichlorophenol +	162	2.393	2.393	(0.998)	31145	2.00000	1.97(a)
	27 1,2,4-Trichlorobenzene	180	2.377	2.377	(0.991)	39624	2.00000	2.00(a)
*	28 Naphthalene-d8	136	2.398	2.398	(1.000)	2382136	40.0000	
	29 Naphthalene	128	2.414	2.414	(1.007)	125699	2.00000	2.10(a)
	30 4-Chloroaniline	127	2.489	2.489	(1.038)	37159	2.00000	3.10(a)
	31 Hexachlorobutadiene +	225	2.511	2.511	(1.047)	27004	2.00000	3.88(a)
	32 4-Chloro-3-Methylphenol +	107	2.858	2.858	(1.192)	40414	2.00000	2.04(a)
	33 2-Methylnaphthalene	142	2.842	2.842	(1.185)	77971	2.00000	1.52(a)
	145 1-Methylnapthalene	142	2.896	2.896	(1.207)	76976	2.00000	2.17(a)
	34 Hexachlorocyclopentadiene ++	237	2.944	2.944	(0.853)	7265	2.00000	4.85(a)
	35 2,4,6-Trichlorophenol +	196	3.046	3.046	(0.882)	21047	2.00000	1.81(a)
	36 2,4,5-Trichlorphenol	196	3.110	3.110	(0.901)	21719	2.00000	1.81(a)
$	37 2-Fluorobiphenyl	172	3.078	3.078	(0.892)	81171	2.00000	1.99(a)
	38 2-Chloronaphthalene	162	3.126	3.126	(0.905)	76287	2.00000	2.09(aM1)
	39 2-Nitroaniline	138	3.222	3.222	(0.933)	22305	2.00000	1.91(a)
	40 Dimethylphthalate	163	3.345	3.345	(0.969)	73775	2.00000	1.98(aM1)
	41 2,6-Dinitrotoluene	165	3.618	3.618	(1.048)	22541	2.00000	1.94(a)
	42 Acenaphthylene	152	3.366	3.366	(0.975)	113380	2.00000	2.22(a)
	43 3-Nitroaniline	138	3.479	3.479	(1.008)	15351	2.00000	1.89(a)
*	44 Acenaphthene-d10	164	3.452	3.452	(1.000)	1310033	40.0000	
	45 Acenaphthene +	153	3.473	3.473	(1.006)	70041	2.00000	2.04(a)
	46 2,4-Dinitrophenol ++	184	3.570	3.570	(1.034)	1557	2.00000	5.67(aM1)
	49 4-Nitrophenol ++	109	3.730	3.730	(1.081)	4545	2.00000	0.939(a)
	47 Dibenzofuran	168	3.580	3.580	(1.037)	95054	2.00000	2.01(a)
	48 2,4-Dinitrotoluene	165	3.618	3.618	(1.048)	22541	2.00000	1.94(a)
	50 Diethylphthalate	149	3.768	3.768	(1.091)	73907	2.00000	2.14(a)
	52 4-Chlorophenyl-phenylether	204	3.805	3.805	(1.102)	37245	2.00000	1.99(a)
	51 Fluorene	166	3.784	3.784	(1.096)	78207	2.00000	2.08(a)
	53 4-Nitroaniline	138	3.842	3.842	(1.113)	14419	2.00000	1.79(a)
	54 4,6-Dinitro-o-cresol	198	3.859	3.859	(0.890)	8298	2.00000	4.56(a)
	55 N-nitrosodiphenylamine (1)+	169	3.880	3.880	(0.895)	50022	2.00000	1.90(a)
	56 Azobenzene	77	3.896	3.896	(0.899)	133733	2.00000	2.08(a)
$	57 2,4,6-Tribromophenol	332	3.939	3.939	(1.141)	8326	2.00000	1.70(a)
	58 4-Bromophenyl-phenylether	248	4.088	4.088	(0.943)	18693	2.00000	1.93(a)
	59 Hexachlorobenzene	284	4.110	4.110	(0.948)	23579	2.00000	1.96(a)

170742

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	4.265	4.265	(0.984)	7450	2.00000	5.93(a)
*	61 Phenanthrene-d10	188	4.335	4.335	(1.000)	2120860	40.0000	
	62 Phenanthrene	178	4.345	4.345	(1.002)	122630	2.00000	2.33(a)
	63 Anthracene	178	4.377	4.377	(1.010)	118085	2.00000	2.30(a)
	64 Carbazole	167	4.500	4.500	(1.038)	107462	2.00000	2.31(a)
	65 Di-n-butylphthalate	149	4.752	4.752	(1.096)	103443	2.00000	1.92(a)
	67 Fluoranthene +	202	5.057	5.057	(1.167)	107861	2.00000	2.07(a)
	68 Benzidine	184	5.180	5.180	(0.872)	10092	2.00000	13.5
	69 Pyrene	202	5.057	5.057	(0.851)	107859	2.00000	2.29(a)
$	70 Terphenyl-d14	244	5.319	5.319	(0.896)	63420	2.00000	1.98(a)
	71 Butylbenzylphthalate	149	5.640	5.640	(0.950)	35858	2.00000	1.87(a)
	73 3,3'-Dichlorobenzidine	252	5.955	5.955	(1.003)	25203	2.00000	2.07(a)
	72 Benzo(a)anthracene	228	5.934	5.934	(0.999)	77778	2.00000	1.99(a)
*	74 Chrysene-d12	240	5.939	5.939	(1.000)	1428050	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.051	6.051	(1.019)	43600	2.00000	1.79(a)
	75 Chrysene	228	5.955	5.955	(1.003)	95373	2.00000	2.13(a)
	77 Di-n-octylphthalate +	149	6.511	6.511	(1.096)	51329	2.00000	6.11(a)
	78 Benzo(b)fluoranthene	252	6.672	6.672	(0.963)	29730	2.00000	6.84(a)
	79 Benzo(k)fluoranthene	252	6.688	6.688	(0.965)	67601	2.00000	1.67(a)
	80 Benzo(a)pyrene +	252	6.891	6.891	(0.995)	32151	2.00000	7.17(a)
*	81 Perylene-d12	264	6.929	6.929	(1.000)	1044000	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.635	7.635	(1.285)	21241	2.00000	8.07(aM1)
	83 Dibenzo(a,h)anthracene	278	7.651	7.651	(1.104)	31260	2.00000	5.91(a)
	84 Benzo(g,h,i)perylene	276	7.795	7.795	(1.125)	34455	2.00000	4.36(a)
M	66 Total Methylphenol	108				93100	4.00000	4.11(a)
	91 Acetophenone	105	1.890	1.890	(1.188)	62309	2.00000	1.99(a)
	155 Benzaldehyde	77	1.297	1.297	(0.815)	8722	2.00000	0.912(a)
	156 Caprolactam	113	2.698	2.698	(1.125)	9041	2.00000	1.69(a)
	157 Biphenyl	154	3.126	3.126	(1.303)	92422	2.00000	2.27(a)
	174 1,4-Dioxane	88	0.270	0.270	(0.169)	7594	2.00000	3.01(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.

170743

Data File: /var/chem/MSSV5.i/2080602.s.b/d6206.d

Date : 02-JUN-2008 10:25

Client ID: STD002

Sample Info: 1203*35-22-7

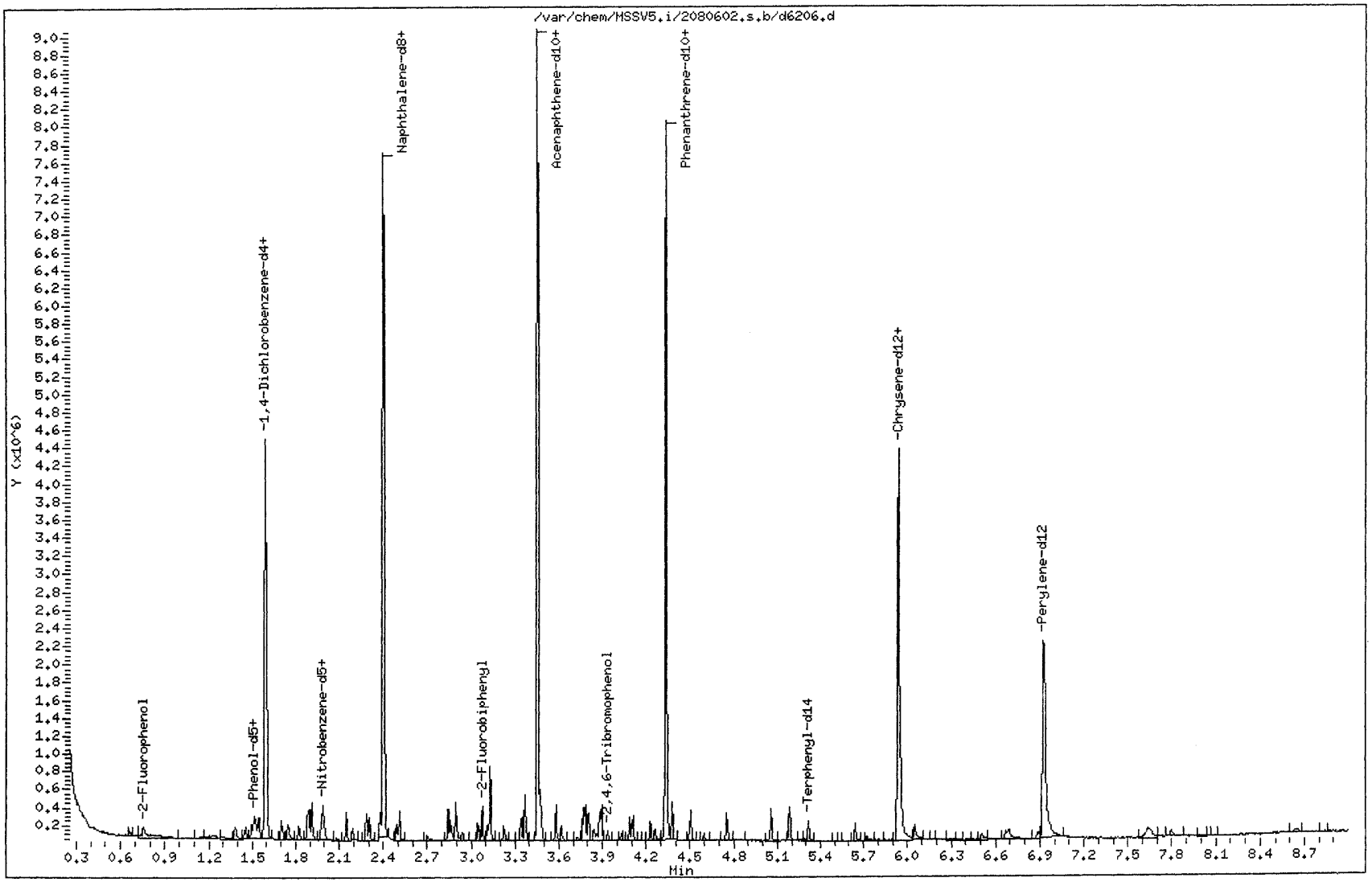
Volume Injected (uL): 1.0

Column phase: RTX-5MS-30M

Instrument: MSSV5.i

Operator: KCB

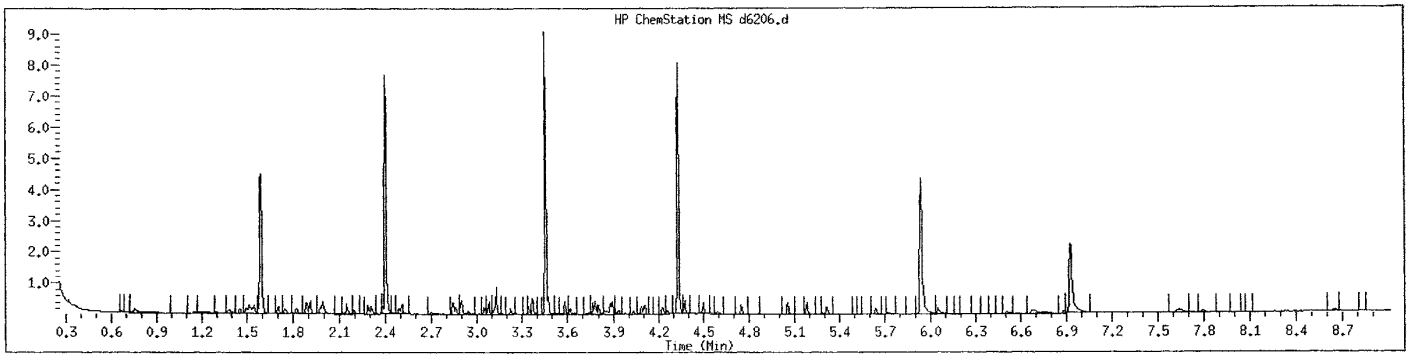
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2080602.s.b/d6206.d Page: 1
Report Date: 06/13/2008 11:56

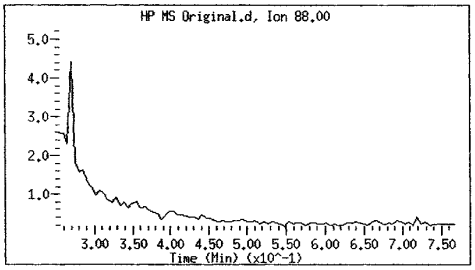
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1203 SampleType : CALIB_3
Injection Date: 06/02/2008 10:25 Instrument : MSSV5.i
Operator : KCB
Sample Info : 1203*35-22-7
Misc Info : STD002*MSSV~5010~*
Method : /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



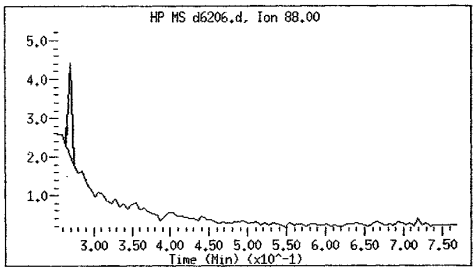
Original Final

174 1,4-Dioxane CAS#: 123-91-1 Reason: M1

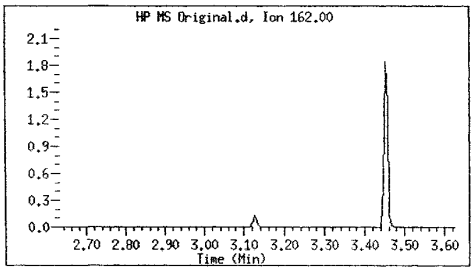


Electronic Signature Applied

User: root
Date: 06/02/2008 12:11



38 2-Chloronaphthalene CAS#: 91-58-7 Reason: M1



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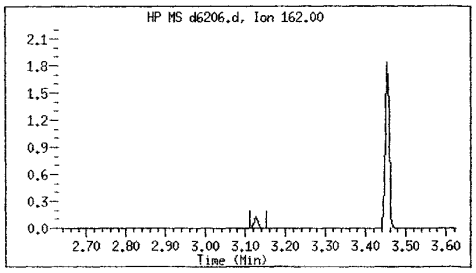
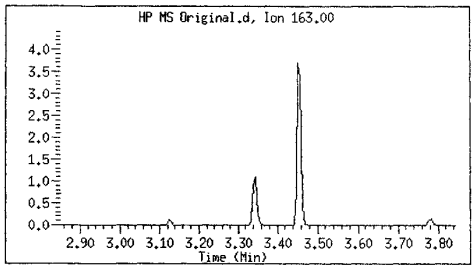
Date: 06/02/2008 12:12



170745

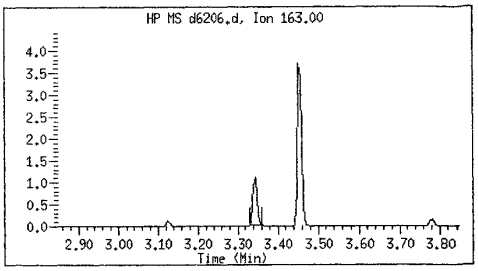
Original Final

40 Dimethylphthalate CAS#: 131-11-3 Reason: M1

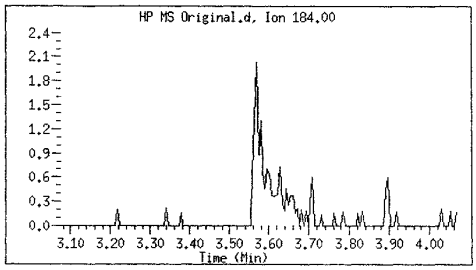


Electronic Signature Applied

User: root
Date: 06/02/2008 12:12



46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



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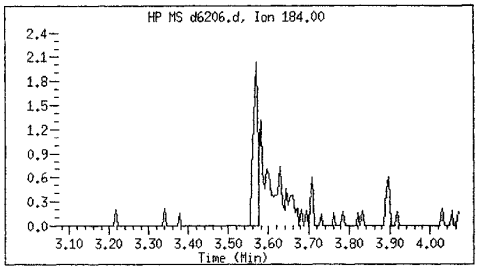
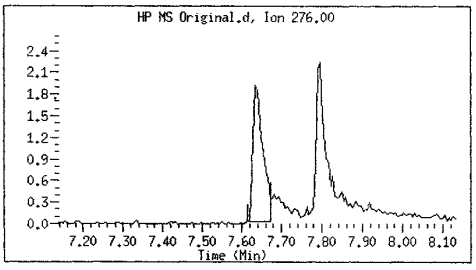
Date: 06/02/2008 12:13

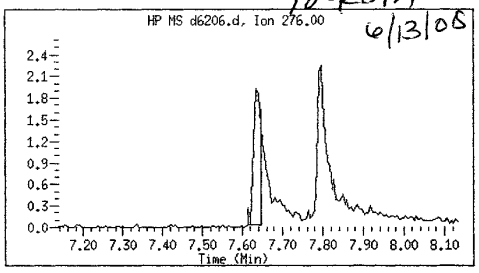


82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M1 from 6/13/08



Electronic Signature Applied

User: root
Date: 06/02/2008 12:14



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

170746

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080602.s.b/d6207.d
Lab Smp Id: 1202 Client Smp ID: STD001
Inj Date : 02-JUN-2008 10:41
Operator : KCB Inst ID: MSSV5.i
Smp Info : 1202*35-22-8
Misc Info : STD001*MSSV~5010~*
Comment :
Method : /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m
Meth Date : 13-Jun-2008 11:56 rlw Quant Type: ISTD
Cal Date : 02-JUN-2008 10:41 Cal File: d6207.d
Als bottle: 11 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)
	2 Pyridine	79	0.328	0.328	(0.206)	7838	1.00000	2.06(a)
$	3 2-Fluorophenol	112	0.762	0.762	(0.479)	16313	1.00000	1.19(a)
$	4 Phenol-d5	99	1.516	1.516	(0.953)	32608	1.00000	1.04(a)
	5 Aniline	93	1.387	1.387	(0.872)	33796	1.00000	2.69(a)
	6 Phenol +	94	1.527	1.527	(0.960)	42484	1.00000	1.25(a)
	7 bis(-2-Chloroethyl)Ether	63	1.457	1.457	(0.916)	19659	1.00000	1.10(a)
	8 2-Chlorophenol	128	1.500	1.500	(0.943)	24659	1.00000	1.24(a)
	9 1,3-Dichlorobenzene	146	1.548	1.548	(0.973)	27455	1.00000	1.17(a)
*	10 1,4-Dichlorobenzene-d4	152	1.591	1.591	(1.000)	610998	40.0000	
	11 1,4-Dichlorobenzene +	146	1.601	1.601	(1.007)	27990	1.00000	1.19(a)
	12 Benzyl alcohol	108	1.751	1.751	(1.101)	15627	1.00000	0.978(a)
	13 1,2-Dichlorobenzene	146	1.703	1.703	(1.071)	26546	1.00000	1.20(a)
	15 2-Methylphenol	108	1.885	1.885	(1.185)	25805	1.00000	1.21(a)

170747

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	14 Bis(2-chloroisopropyl)ether	45	1.821	1.821	(1.145)	30553	1.00000	1.26(a)
	17 3- & 4-Methylphenol	108	1.992	1.992	(1.252)	26102	1.00000	1.16(a)
	16 N-Nitroso-di-n-propylamine++	70	1.912	1.912	(1.202)	23723	1.00000	1.14(a)
	18 Hexachloroethane	117	1.912	1.912	(1.202)	12583	1.00000	1.23(a)
$	19 Nitrobenzene-d5	82	1.981	1.981	(0.826)	31053	1.00000	1.05(aM1)
	20 Nitrobenzene	77	1.992	1.992	(0.831)	47952	1.00000	1.11(a)
	21 Isophorone	82	2.147	2.147	(0.895)	66728	1.00000	1.19(a)
	22 2-Nitrophenol +	139	2.195	2.195	(0.915)	11021	1.00000	1.06(a)
	23 2,4-Dimethyphenol	107	2.286	2.286	(0.953)	32831	1.00000	1.28(a)
	24 bis(-2-Chloroethoxy)methane	93	2.307	2.307	(0.962)	35942	1.00000	1.16(a)
	26 2,4-Dichlorophenol +	162	2.398	2.398	(1.000)	16784	1.00000	1.11(a)
	27 1,2,4-Trichlorobenzene	180	2.377	2.377	(0.991)	23232	1.00000	1.23(a)
*	28 Naphthalene-d8	136	2.398	2.398	(1.000)	2276126	40.0000	
	29 Naphthalene	128	2.414	2.414	(1.007)	71847	1.00000	1.21(a)
	30 4-Chloroaniline	127	2.495	2.495	(1.040)	21503	1.00000	1.90(a)
	31 Hexachlorobutadiene +	225	2.511	2.511	(1.047)	14792	1.00000	2.50(a)
	32 4-Chloro-3-Methylphenol +	107	2.858	2.858	(1.192)	25210	1.00000	1.33(a)
	33 2-Methylnaphthalene	142	2.842	2.842	(1.185)	42024	1.00000	0.993(a)
	145 1-Methylnapthalene	142	2.896	2.896	(1.207)	42155	1.00000	1.24(a)
	34 Hexachlorocyclopentadiene ++	237	2.944	2.944	(0.853)	2716	1.00000	4.50(a)
	35 2,4,6-Trichlorophenol +	196	3.051	3.051	(0.884)	10946	1.00000	0.992(a)
	36 2,4,5-Trichlorphenol	196	3.115	3.115	(0.902)	11384	1.00000	1.00(a)
$	37 2-Fluorobiphenyl	172	3.078	3.078	(0.892)	47050	1.00000	1.22(a)
	38 2-Chloronaphthalene	162	3.126	3.126	(0.905)	42555	1.00000	1.23(aM1)
	39 2-Nitroaniline	138	3.227	3.227	(0.935)	10623	1.00000	0.963(a)
	40 Dimethylphthalate	163	3.345	3.345	(0.969)	42778	1.00000	1.21(aM1)
	41 2,6-Dinitrotoluene	165	3.618	3.618	(1.048)	8895	1.00000	0.807(aM1)
	42 Acenaphthylene	152	3.366	3.366	(0.975)	64376	1.00000	1.28(a)
	43 3-Nitroaniline	138	3.479	3.479	(1.008)	8138	1.00000	1.06(a)
*	44 Acenaphthene-d10	164	3.452	3.452	(1.000)	1239352	40.0000	
	45 Acenaphthene +	153	3.473	3.473	(1.006)	40387	1.00000	1.21(a)
	46 2,4-Dinitrophenol ++	184	3.586	3.586	(1.039)	493	1.00000	5.50(aM1)
	49 4-Nitrophenol ++	109	3.741	3.741	(1.084)	1095	1.00000	0.239(aH)
	47 Dibenzofuran	168	3.580	3.580	(1.037)	62773	1.00000	1.40(a)
	48 2,4-Dinitrotoluene	165	3.618	3.618	(1.048)	10263	1.00000	0.931(aM1)
	50 Diethylphthalate	149	3.768	3.768	(1.091)	42445	1.00000	1.30(a)
	52 4-Chlorophenyl-phenylether	204	3.805	3.805	(1.102)	22188	1.00000	1.25(a)
	51 Fluorene	166	3.784	3.784	(1.096)	43151	1.00000	1.18(a)
	53 4-Nitroaniline	138	3.848	3.848	(1.115)	8594	1.00000	1.13(aM1)
	54 4,6-Dinitro-o-cresol	198	3.864	3.864	(0.891)	3486	1.00000	4.00(a)
	55 N-nitrosodiphenylamine (1)+	169	3.880	3.880	(0.895)	27946	1.00000	1.12(a)
	56 Azobenzene	77	3.896	3.896	(0.899)	73338	1.00000	1.20(a)
$	57 2,4,6-Tribromophenol	332	3.939	3.939	(1.141)	3862	1.00000	0.831(a)
	58 4-Bromophenyl-phenylether	248	4.089	4.089	(0.943)	11249	1.00000	1.22(a)
	59 Hexachlorobenzene	284	4.110	4.110	(0.948)	14652	1.00000	1.24(a)
	60 Pentachlorophenol +	266	4.265	4.265	(0.984)	2699	1.00000	4.23(a)
*	61 Phenanthrene-d10	188	4.335	4.335	(1.000)	2010588	40.0000	

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			QUANT SIG					AMOUNTS	
								CAL-AMT	ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ppm)
	62	Phenanthrene	178	4.345	4.345	(1.002)	65830	1.00000	1.27(a)
	63	Anthracene	178	4.377	4.377	(1.010)	64000	1.00000	1.27(a)
	64	Carbazole	167	4.506	4.506	(1.039)	53772	1.00000	1.22(a)
	65	Di-n-butylphthalate	149	4.752	4.752	(1.096)	60383	1.00000	1.18(a)
	67	Fluóranthene +	202	5.057	5.057	(1.167)	63087	1.00000	1.24(a)
	68	Benzidine	184	5.180	5.180	(0.872)	5299	1.00000	7.29(a)
	69	Pyrene	202	5.057	5.057	(0.851)	63089	1.00000	1.31(a)
$	70	Terphenyl-d14	244	5.319	5.319	(0.896)	37785	1.00000	1.22(a)
	71	Butylbenzylphthalate	149	5.645	5.645	(0.950)	21313	1.00000	1.14(a)
	73	3,3'-Dichlorobenzidine	252	5.955	5.955	(1.003)	12437	1.00000	1.05(a)
	72	Benzo(a)anthracene	228	5.934	5.934	(0.999)	45321	1.00000	1.17(a)
*	74	Chrysene-d12	240	5.939	5.939	(1.000)	1386358	40.0000	
	76	bis(2-Ethylhexyl)phthalate	149	6.051	6.051	(1.019)	25303	1.00000	1.07(a)
	75	Chrysene	228	5.955	5.955	(1.003)	58184	1.00000	1.28(a)
	77	Di-n-octylphthalate +	149	6.506	6.506	(1.095)	26182	1.00000	5.56(a)
	78	Benzo(b)fluoranthene	252	6.672	6.672	(0.963)	20509	1.00000	4.74(a)
	79	Benzo(k)fluoranthene	252	6.688	6.688	(0.965)	34904	1.00000	0.924(a)
	80	Benzo(a)pyrene +	252	6.891	6.891	(0.995)	18503	1.00000	5.31(a)
*	81	Perylene-d12	264	6.929	6.929	(1.000)	986252	40.0000	
	82	Indeno(1,2,3-cd)pyrene	276	7.640	7.640	(1.286)	9138	1.00000	7.59(aM2)
	83	Dibenzo(a,h)anthracene	278	7.656	7.656	(1.105)	13890	1.00000	3.98(a)
	84	Benzo(g,h,i)perylene	276	7.795	7.795	(1.125)	16832	1.00000	2.95(a)
M	66	Total Methylphenol	108				51907	2.00000	2.37(a)
	91	Acetophenone	105	1.896	1.896	(1.192)	34349	1.00000	1.14(a)
	155	Benzaldehyde	77	1.307	1.307	(0.822)	6297	1.00000	0.720(a)
	156	Caprolactam	113	2.703	2.703	(1.127)	5860	1.00000	1.15(aM2)
	157	Biphenyl	154	3.131	3.131	(1.306)	52422	1.00000	1.35(a)
	174	1,4-Dioxane	88	0.270	0.270	(0.169)	3383	1.00000	1.39(aM1)

QC Flag Legend

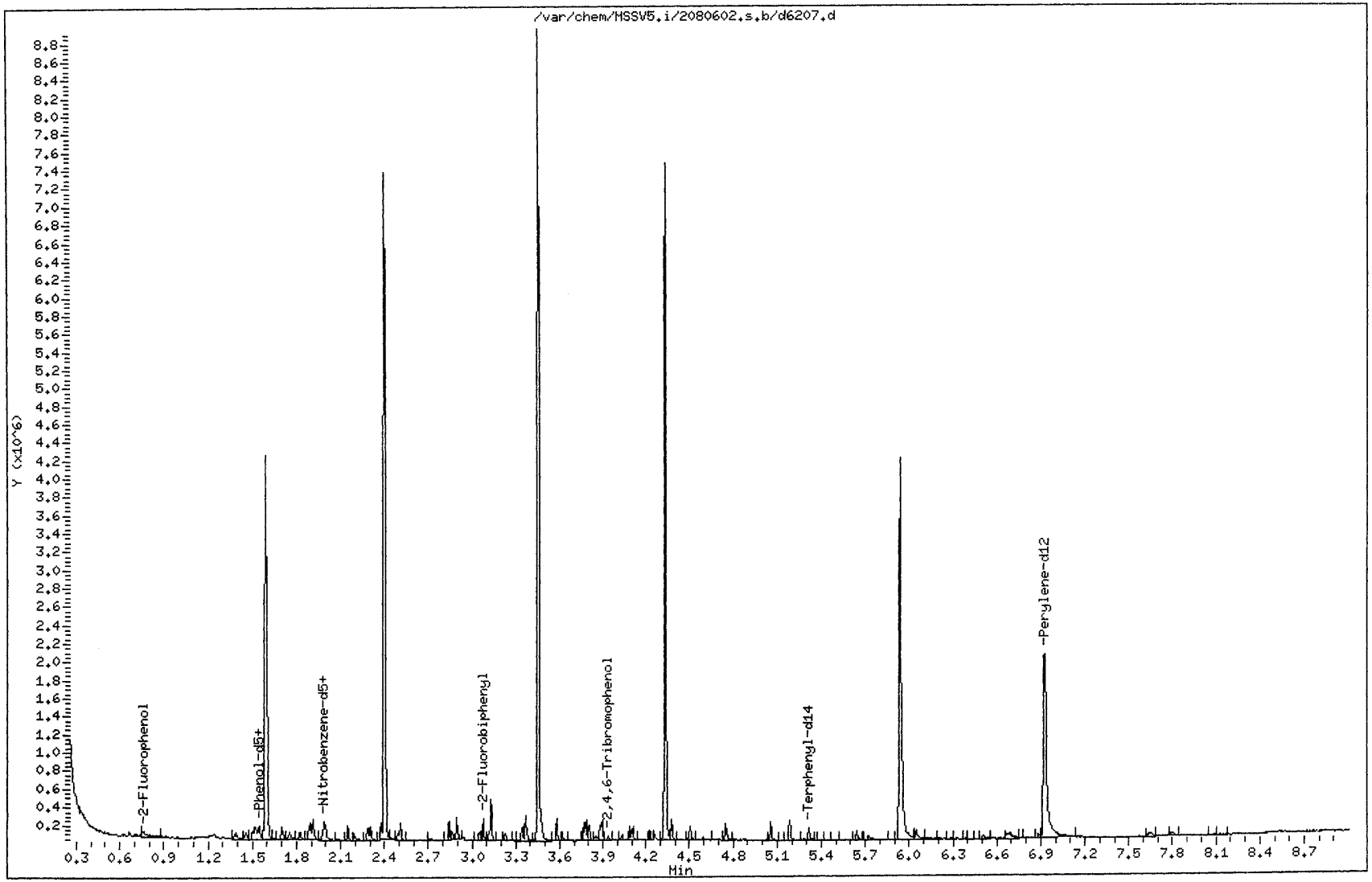
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M1- Compound response manually integrated because
Target system did not integrate.
M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

170749

Data File: /var/chem/MSSV5.i/2080602.s.b/d6207.d
Date : 02-JUN-2008 10:41
Client ID: STD001
Sample Info: 1202x35-22-8
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i

Operator: KCB
Column diameter: 0.25

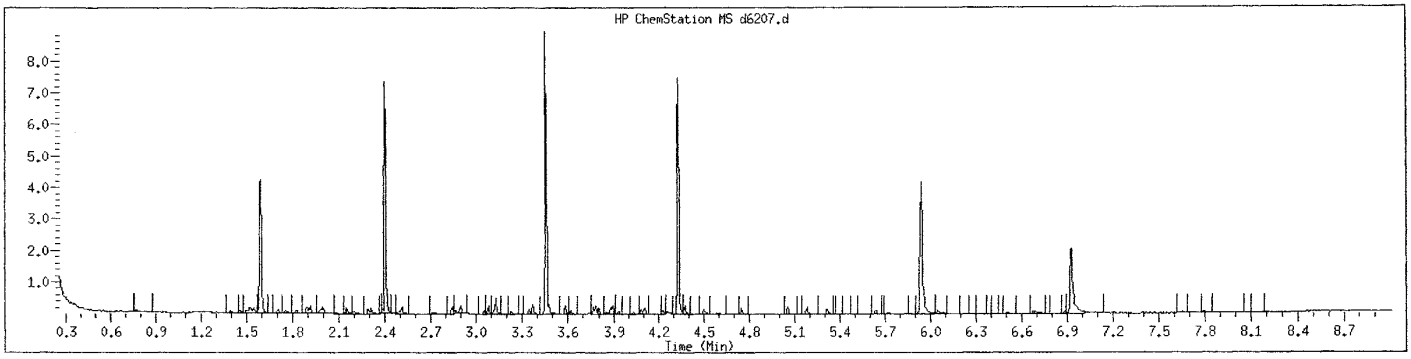


Data file : /var/chem/MSSV5.i/2080602.s.b/d6207.d
Report Date: 06/13/2008 11:56

MANUAL INTEGRATION GRAPHIC REPORT

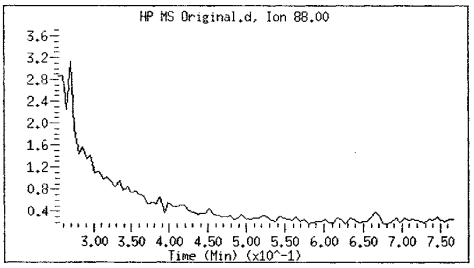
Lab ID : 1202
Injection Date: 06/02/2008 10:41
Operator : KCB
Sample Info : 1202*35-22-8
Misc Info : STD001*MSSV~5010~*
Method : /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE

SampleType : CALIB_2
Instrument : MSSV5.i
Compound Sublist: 8270C



Original Final

174 1,4-Dioxane CAS#: 123-91-1 Reason: M1



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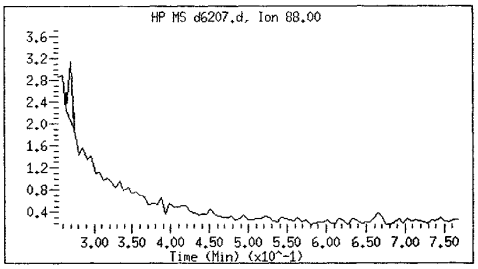
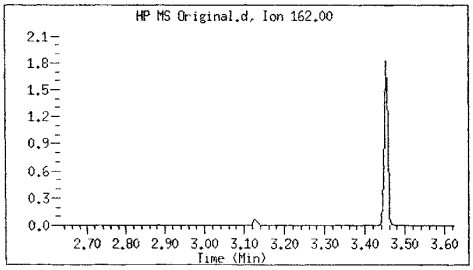


38 2-Chloronaphthalene CAS#: 91-58-7 Reason: M1



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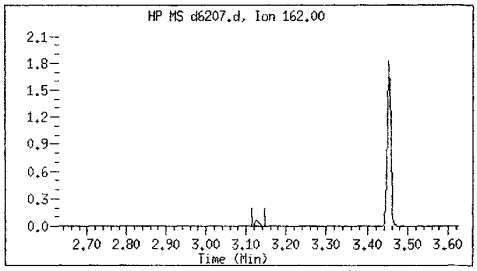
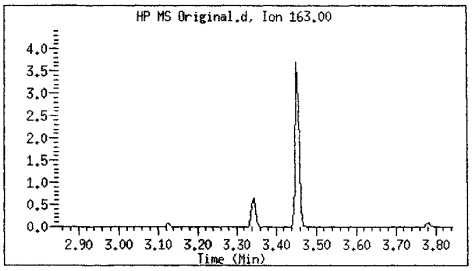


Original Final

40 Dimethylphthalate CAS#: 131-11-3 Reason: M1



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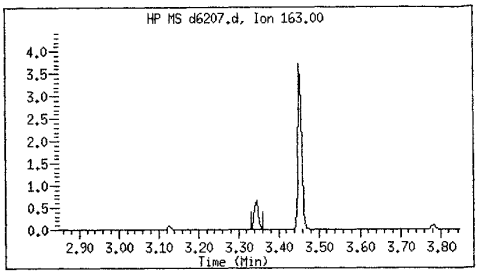
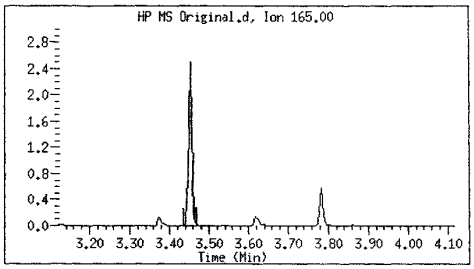


41 2,6-Dinitrotoluene CAS#: 606-20-2 Reason: M1/3 RPM 6/13/08



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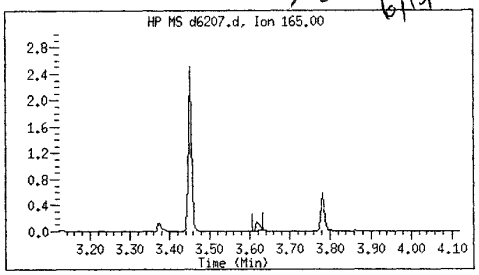
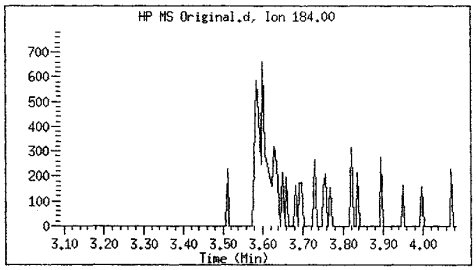


46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



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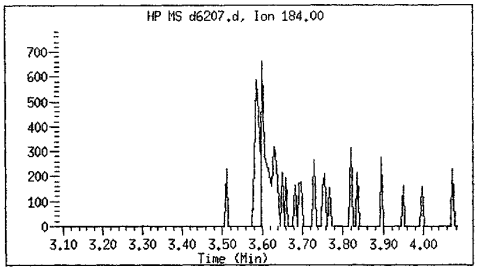
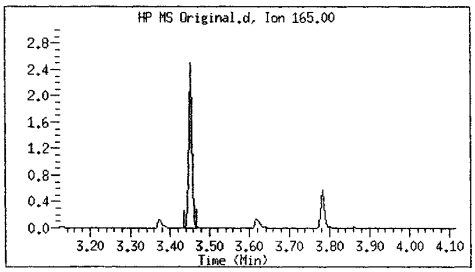


48 2,4-Dinitrotoluene CAS#: 121-14-2 Reason: M1/3 RPM 6/13/08



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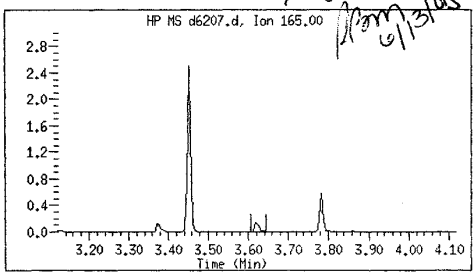
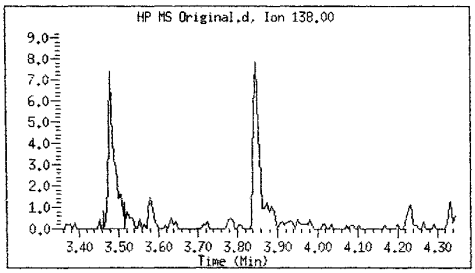


53 4-Nitroaniline CAS#: 100-01-6 Reason: M1/3 RPM 6/13/08



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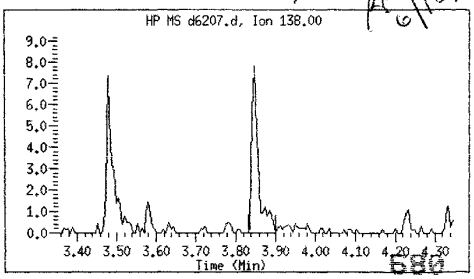
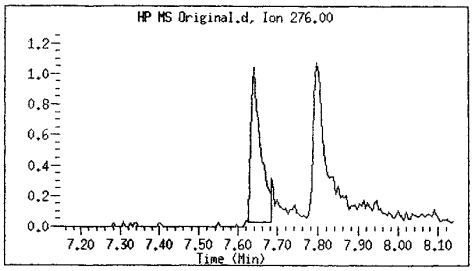


Original Final

82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



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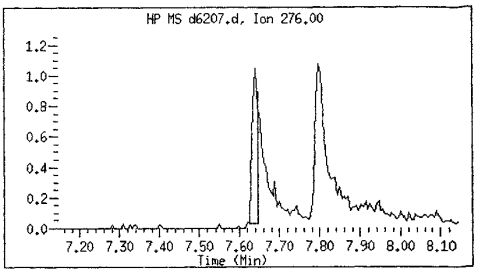
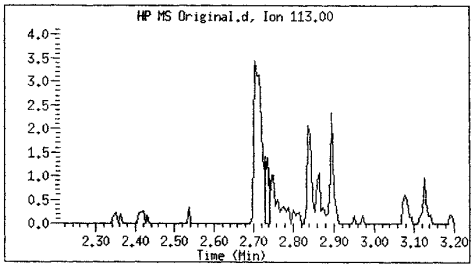


156 Caprolactam CAS#: 105-60-2 Reason: M2



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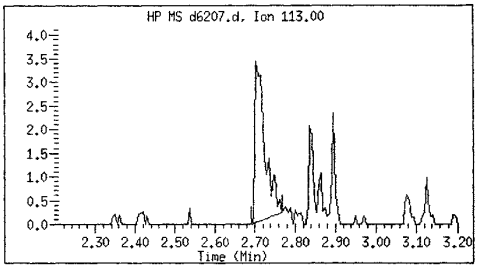
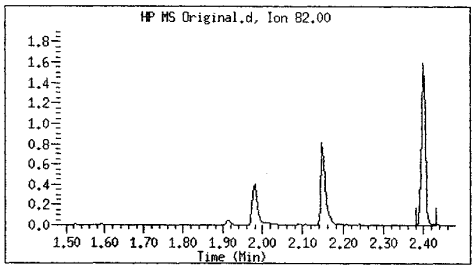


$ 19 Nitrobenzene-d5 CAS#: 4165-60-0 Reason: M1/3 RBM 6/13/08



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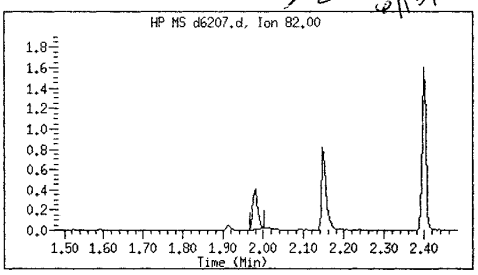


M1 - Target system did not integrate
M2 - Target system integrated incorrectly
M3 - Target system integrated the wrong peak

170753

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080602.s.b/d6208.d
Lab Smp Id: 1201 Client Smp ID: STD0.2
Inj Date : 02-JUN-2008 10:56
Operator : KCB Inst ID: MSSV5.i
Smp Info : 1201*35-22-9
Misc Info : STD0.2*MSSV~5010~*
Comment :
Method : /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m
Meth Date : 13-Jun-2008 11:56 rlw Quant Type: ISTD
Cal Date : 02-JUN-2008 10:56 Cal File: d6208.d
Als bottle: 12 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)	ON-COL (ppm)
	2 Pyridine	79	0.344	0.344	(0.216)	1224	0.20000	1.03(a)
$	3 2-Fluorophenol	112	0.772	0.772	(0.485)	3438	0.20000	0.276(a)
$	4 Phenol-d5	99	1.526	1.526	(0.960)	11089	0.20000	0.388(aH)
	5 Aniline	93	1.393	1.393	(0.876)	10432	0.20000	1.68(a)
	6 Phenol +	94	1.537	1.537	(0.966)	11220	0.20000	0.361(a)
	7 bis(-2-Chloroethyl)Ether	63	1.462	1.462	(0.919)	7020	0.20000	0.431(a)
	8 2-Chlorophenol	128	1.505	1.505	(0.946)	8344	0.20000	0.460(a)
	9 1,3-Dichlorobenzene	146	1.548	1.548	(0.973)	10490	0.20000	0.492(a)
*	10 1,4-Dichlorobenzene-d4	152	1.591	1.591	(1.000)	557444	40.0000	
	11 1,4-Dichlorobenzene +	146	1.601	1.601	(1.007)	10443	0.20000	0.489(a)
	12 Benzyl alcohol	108	1.767	1.767	(1.111)	3147	0.20000	0.216(a)
	13 1,2-Dichlorobenzene	146	1.703	1.703	(1.071)	9496	0.20000	0.469(a)
	15 2-Methylphenol	108	1.890	1.890	(1.188)	8512	0.20000	0.437(a)

170754

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	14 Bis(2-chloroisopropyl)ether	45	1.826	1.826	(1.148)	10867	0.20000	0.493(a)
	17 3- & 4-Methylphenol	108	2.002	2.002	(1.259)	8879	0.20000	0.433(aM1)
	16 N-Nitroso-di-n-propylamine++	70	1.917	1.917	(1.205)	9428	0.20000	0.495(a)
	18 Hexachloroethane	117	1.912	1.912	(1.202)	4608	0.20000	0.493(aM1)
$	19 Nitrobenzene-d5	82	1.986	1.986	(0.828)	10448	0.20000	0.377(aM1)
	20 Nitrobenzene	77	1.997	1.997	(0.833)	18038	0.20000	0.447(a)
	21 Isophorone	82	2.152	2.152	(0.897)	23845	0.20000	0.455(a)
	22 2-Nitrophenol +	139	2.200	2.200	(0.917)	4217	0.20000	0.432(aM1)
	23 2,4-Dimethyphenol	107	2.291	2.291	(0.955)	10112	0.20000	0.421(a)
	24 bis(-2-Chloroethoxy)methane	93	2.313	2.313	(0.964)	11982	0.20000	0.412(a)
	26 2,4-Dichlorophenol +	162	2.409	2.409	(1.004)	4313	0.20000	0.306(a)
	27 1,2,4-Trichlorobenzene	180	2.377	2.377	(0.991)	8183	0.20000	0.463(a)
*	28 Naphthalene-d8	136	2.398	2.398	(1.000)	2128281	40.0000	
	29 Naphthalene	128	2.414	2.414	(1.007)	28341	0.20000	0.511(a)
	30 4-Chloroaniline	127	2.500	2.500	(1.042)	7231	0.20000	0.996(a)
	31 Hexachlorobutadiene +	225	2.511	2.511	(1.047)	5267	0.20000	1.46(a)
	32 4-Chloro-3-Methylphenol +	107	2.864	2.864	(1.194)	6972	0.20000	0.394(a)
	33 2-Methylnaphthalene	142	2.842	2.842	(1.185)	14357	0.20000	0.0264(aM1)
	145 1-Methylnapthalene	142	2.896	2.896	(1.207)	17428	0.20000	0.549(a)
	34 Hexachlorocyclopentadiene ++	237	2.938	2.938	(0.851)	391	0.20000	4.31(aM1)
	35 2,4,6-Trichlorophenol +	196	3.056	3.056	(0.885)	3927	0.20000	0.374(a)
	36 2,4,5-Trichlorphenol	196	3.126	3.126	(0.905)	3531	0.20000	0.327(a)
$	37 2-Fluorobiphenyl	172	3.078	3.078	(0.892)	18362	0.20000	0.499(a)
	38 2-Chloronaphthalene	162	3.131	3.131	(0.907)	17246	0.20000	0.524(aM1)
	39 2-Nitroaniline	138	3.233	3.233	(0.936)	3773	0.20000	0.359(a)
	40 Dimethylphthalate	163	3.345	3.345	(0.969)	13209	0.20000	0.394(aM1)
	41 2,6-Dinitrotoluene	165	3.623	3.623	(1.050)	2372	0.20000	0.226(aM1)
	42 Acenaphthylene	152	3.366	3.366	(0.975)	23849	0.20000	0.499(a)
	43 3-Nitroaniline	138	3.489	3.489	(1.011)	2410	0.20000	0.330(a)
*	44 Acenaphthene-d10	164	3.452	3.452	(1.000)	1179674	40.0000	
	45 Acenaphthene +	153	3.473	3.473	(1.006)	15992	0.20000	0.503(a)
	47 Dibenzofuran	168	3.580	3.580	(1.037)	22993	0.20000	0.541(a)
	48 2,4-Dinitrotoluene	165	3.623	3.623	(1.050)	2372	0.20000	0.226(aM1)
	50 Diethylphthalate	149	3.768	3.768	(1.091)	15964	0.20000	0.513(a)
	52 4-Chlorophenyl-phenylether	204	3.805	3.805	(1.102)	8663	0.20000	0.515(a)
	51 Fluorene	166	3.784	3.784	(1.096)	17054	0.20000	0.491(a)
	53 4-Nitroaniline	138	3.858	3.858	(1.118)	2404	0.20000	0.332(aM1)
	54 4,6-Dinitro-o-cresol	198	3.880	3.880	(0.895)	593	0.20000	3.63(a)
	55 N-nitrosodiphenylamine (1)+	169	3.885	3.885	(0.896)	10143	0.20000	0.426(a)
	56 Azobenzene	77	3.896	3.896	(0.899)	29009	0.20000	0.500(a)
$	57 2,4,6-Tribromophenol	332	3.939	3.939	(1.141)	1392	0.20000	0.315(a)
	58 4-Bromophenyl-phenylether	248	4.094	4.094	(0.944)	4492	0.20000	0.513(a)
	59 Hexachlorobenzene	284	4.110	4.110	(0.948)	5958	0.20000	0.530(a)
	60 Pentachlorophenol +	266	4.281	4.281	(0.988)	287	0.20000	3.91(aM1)
*	61 Phenanthrene-d10	188	4.334	4.334	(1.000)	1914271	40.0000	
	62 Phenanthrene	178	4.345	4.345	(1.002)	27747	0.20000	0.561(a)
	63 Anthracene	178	4.377	4.377	(1.010)	25934	0.20000	0.539(a)

170755

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	64 Carbazole	167	4.506	4.506	(1.039)	19626	0.20000	0.468(a)
	65 Di-n-butylphthalate	149	4.752	4.752	(1.096)	22712	0.20000	0.467(a)
	67 Fluoranthene +	202	5.057	5.057	(1.167)	21819	0.20000	0.449(a)
	68 Benzidine	184	5.185	5.185	(0.873)	699	0.20000	1.06(a)
	69 Pyrene	202	5.057	5.057	(0.851)	21819	0.20000	0.500(a)
$	70 Terphenyl-d14	244	5.319	5.319	(0.896)	14199	0.20000	0.502(a)
	71 Butylbenzylphthalate	149	5.645	5.645	(0.950)	6260	0.20000	0.369(a)
	73 3,3'-Dichlorobenzidine	252	5.955	5.955	(1.003)	3908	0.20000	0.363(a)
	72 Benzo(a)anthracene	228	5.934	5.934	(0.999)	18290	0.20000	0.517(a)
*	74 Chrysene-d12	240	5.939	5.939	(1.000)	1261236	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.051	6.051	(1.019)	8081	0.20000	0.376(a)
	75 Chrysene	228	5.955	5.955	(1.003)	22961	0.20000	0.557(a)
	77 Di-n-octylphthalate +	149	6.506	6.506	(1.095)	7123	0.20000	5.14(a)
	78 Benzo(b)fluoranthene	252	6.672	6.672	(0.964)	5180	0.20000	4.19(a)
	79 Benzo(k)fluoranthene	252	6.688	6.688	(0.966)	12038	0.20000	0.351(a)
	80 Benzo(a)pyrene +	252	6.886	6.886	(0.995)	6009	0.20000	3.97(a)
*	81 Perylene-d12	264	6.923	6.923	(1.000)	895385	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.640	7.640	(1.286)	3547	0.20000	7.38(aM2)
	83 Dibenzo(a,h)anthracene	278	7.656	7.656	(1.106)	3736	0.20000	3.64(a)
	84 Benzo(g,h,i)perylene	276	7.800	7.800	(1.127)	6436	0.20000	2.66(a)
M	66 Total Methylphenol	108				17391	0.40000	0.870(a)
	91 Acetophenone	105	1.901	1.901	(1.195)	12073	0.20000	0.437(a)
	155 Benzaldehyde	77	1.591	1.591	(1.000)	38834	0.20000	4.86(a)
	157 Biphenyl	154	3.131	3.131	(1.306)	18677	0.20000	0.514(aM2)
	174 1,4-Dioxane	88	0.270	0.270	(0.169)	1883	0.20000	0.846(aM2)

QC Flag Legend

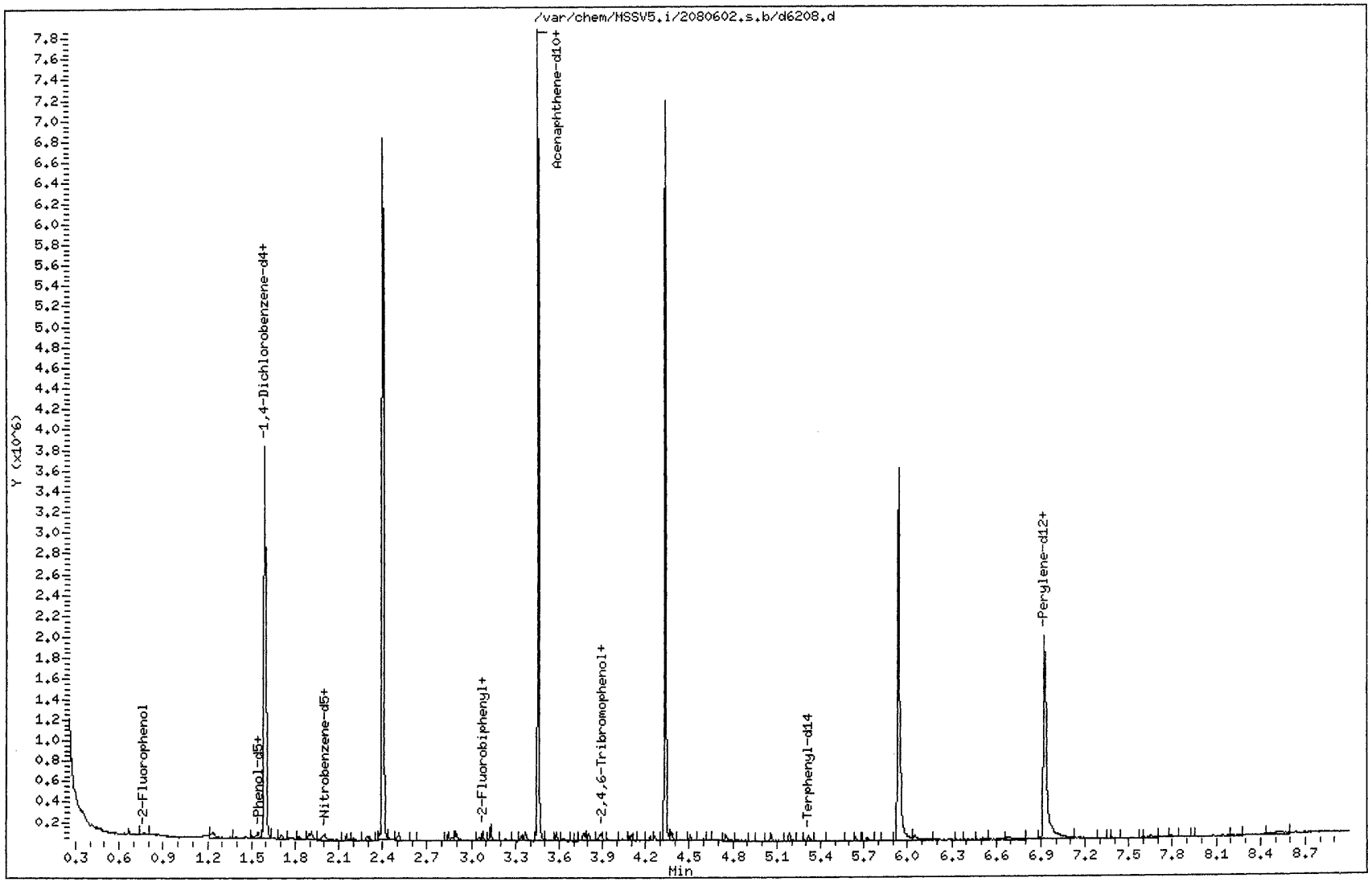
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M1- Compound response manually integrated because
Target system did not integrate.
M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

170756

Data File: /var/chem/MSSV5.i/2080602.s.b/d6208.d
Date : 02-JUN-2008 10:56
Client ID: STD0.2
Sample Info: 1201*35-22-9
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

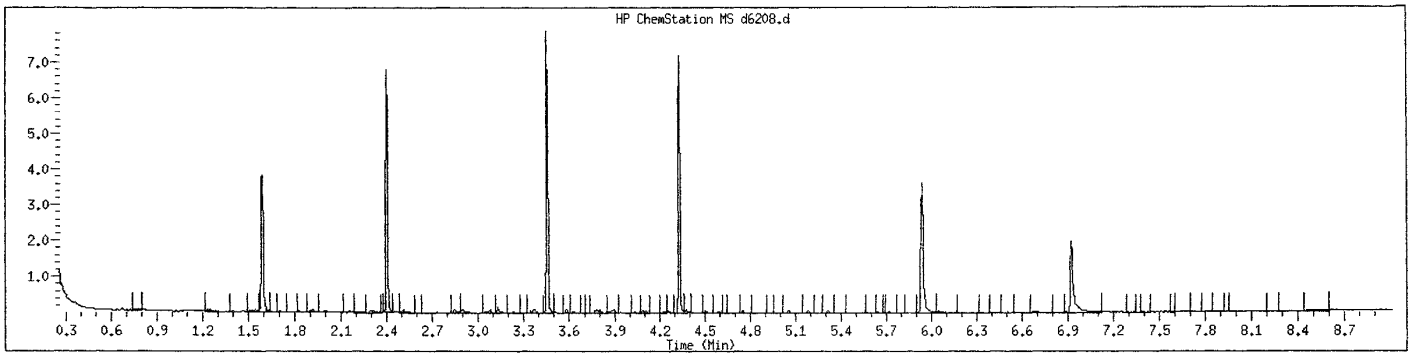
Instrument: MSSV5.i

Operator: KCB
Column diameter: 0.25



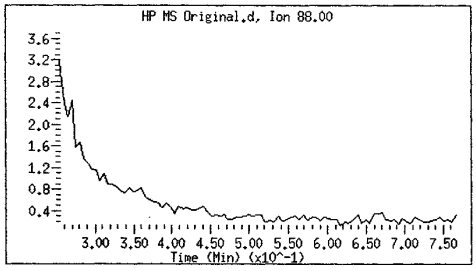
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1201 SampleType : CALIB_1
Injection Date: 06/02/2008 10:56 Instrument : MSSV5.i
Operator : KCB
Sample Info : 1201*35-22-9
Misc Info : STD0.2*MSSV~5010~*
Method : /var/chem/MSSV5.i/2080602.s.b/8270CE_05.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



Original Final

174 1,4-Dioxane CAS#: 123-91-1 Reason: M2 | RBM 6/13/08



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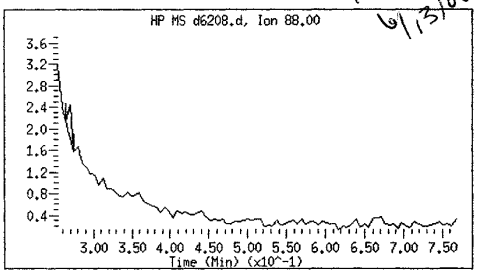
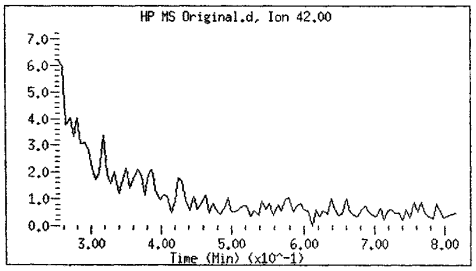


1 n-Nitrosodimethylamine CAS#: 62-75-9 Reason: M1



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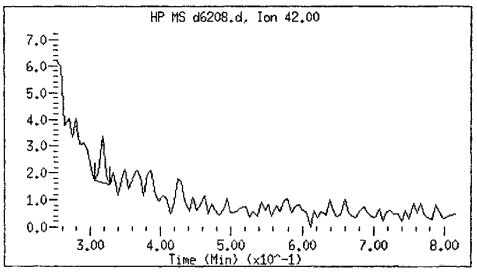

170758

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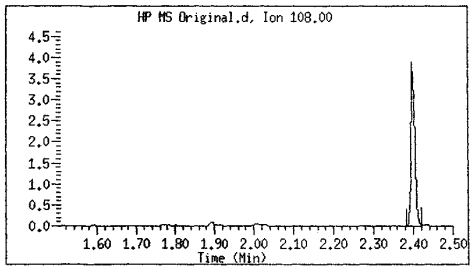
17 3- & 4-Methylphenol CAS#: 1319-77-3MP Reason: M1 3 RBm 6/13/08



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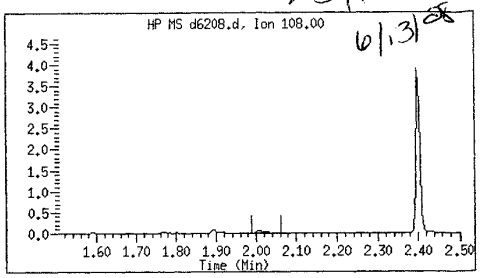
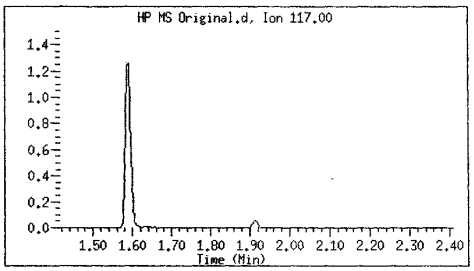


18 Hexachloroethane CAS#: 67-72-1 Reason: M1



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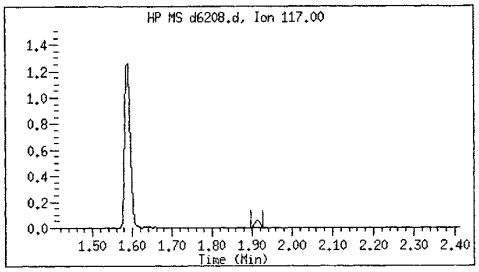
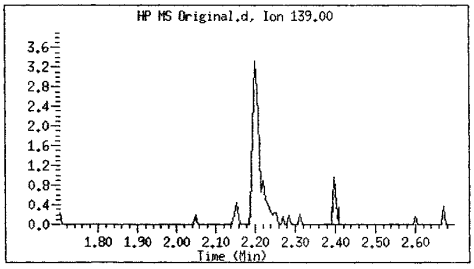


22 2-Nitrophenol + CAS#: 88-75-5 Reason: M1 3 RBm 6/13/08



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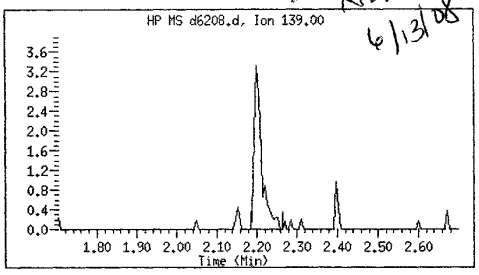
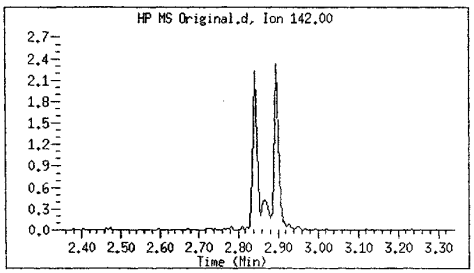


33 2-Methylnaphthalene CAS#: 91-57-6 Reason: M1



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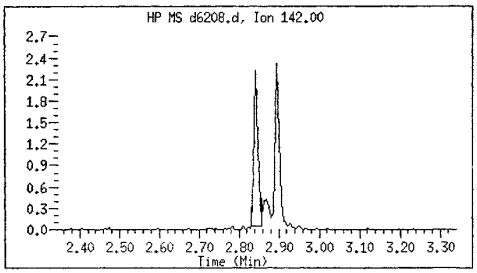
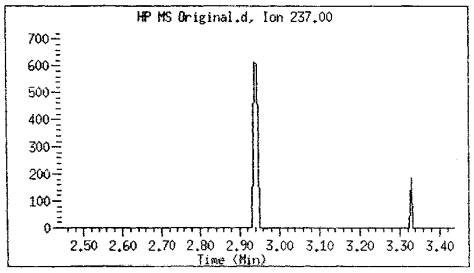


34 Hexachlorocyclopentadiene ++ CAS#: 77-47-4 Reason: M1



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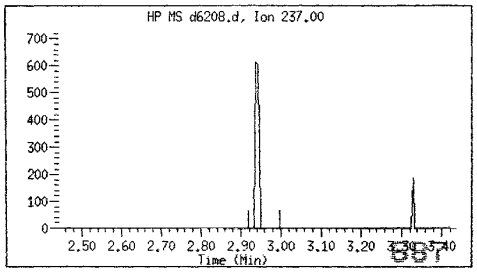
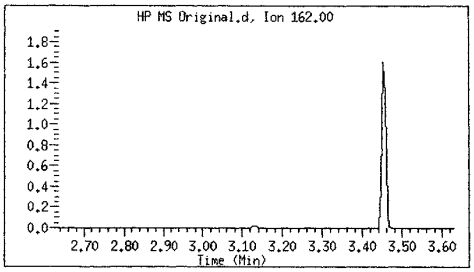


Original Final

38 2-Chloronaphthalene CAS#: 91-58-7 Reason: M1



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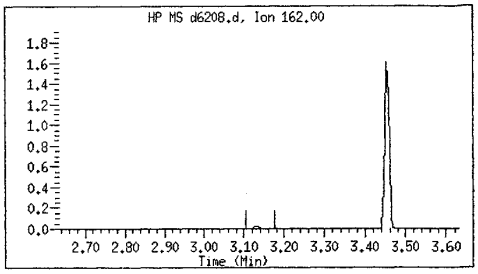
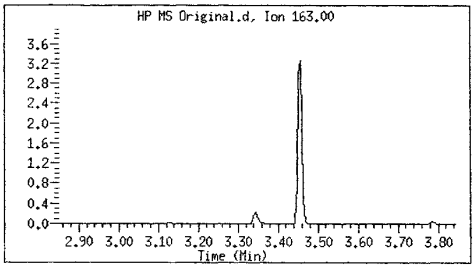


40 Dimethylphthalate CAS#: 131-11-3 Reason: M1



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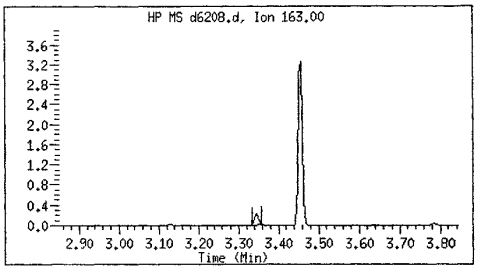
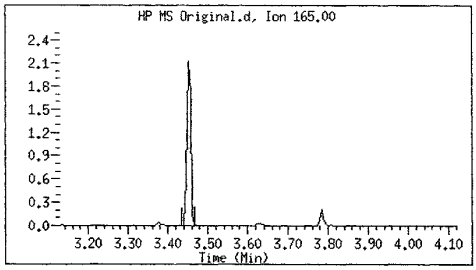


41 2,6-Dinitrotoluene CAS#: 606-20-2 Reason: M1 3 ffm 6/13/08



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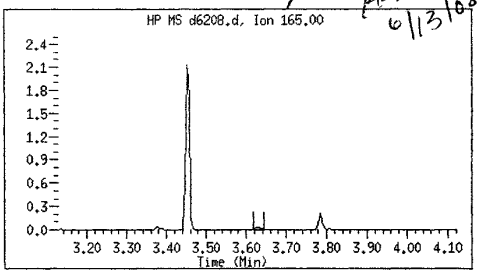
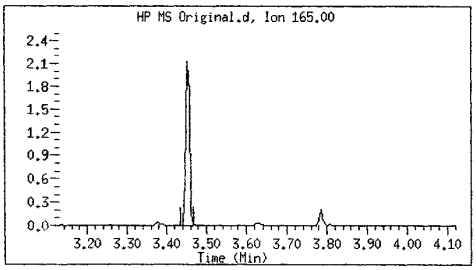


48 2,4-Dinitrotoluene CAS#: 121-14-2 Reason: M1 3 ffm 6/13/08



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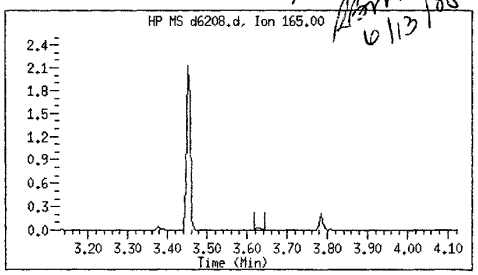
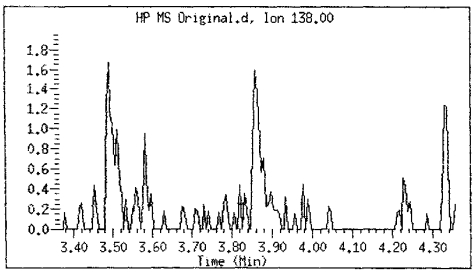


53 4-Nitroaniline CAS#: 100-01-6 Reason: M1



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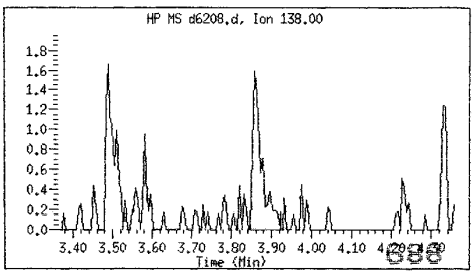
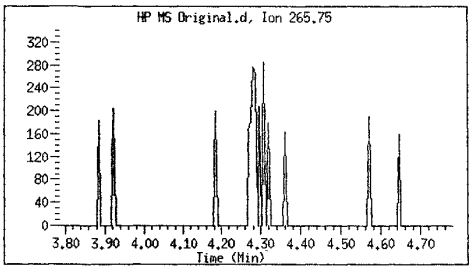


Original Final

60 Pentachlorophenol + CAS#: 87-86-5 Reason: M1



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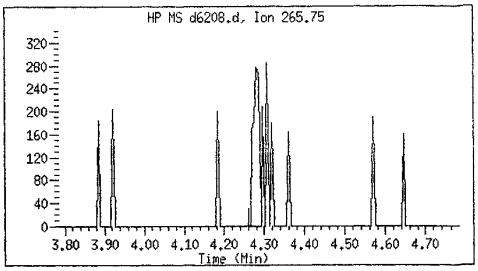
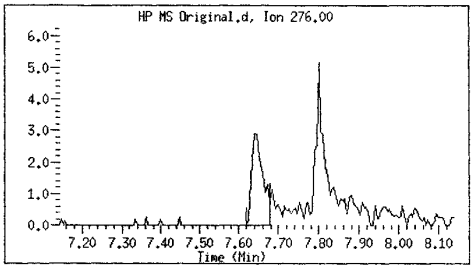


82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



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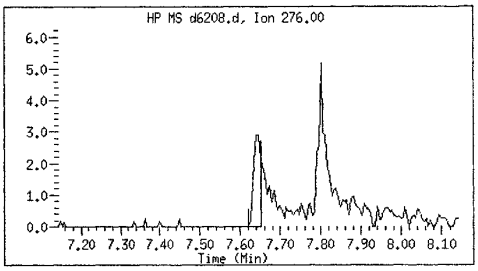
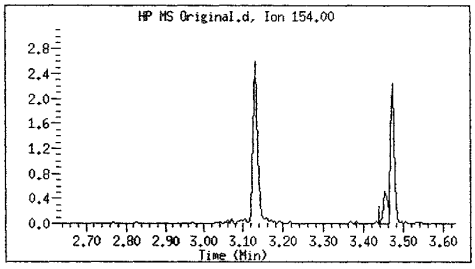


157 Biphenyl CAS#: 92-52-4 Reason: M2 3 6/13



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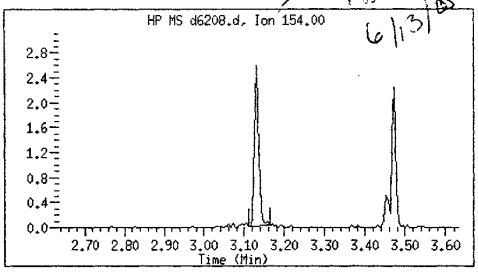
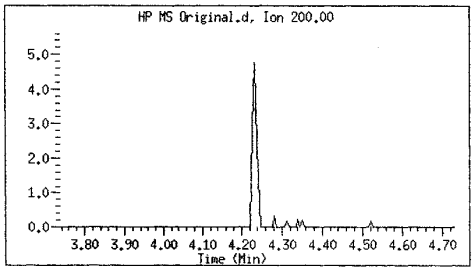


158 Atrazine CAS#: 1912-24-9 Reason: M2



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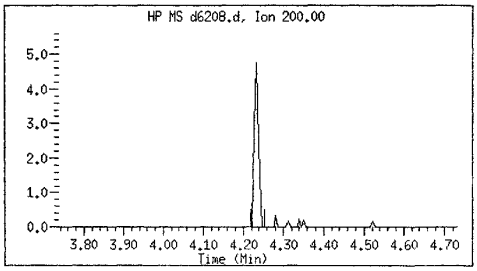
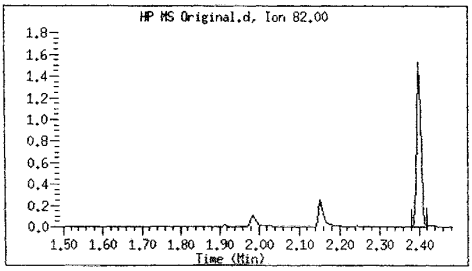
Date: 06/02/2008 12:26



$ 19 Nitrobenzene-d5 CAS#: 4165-60-0 Reason: M2 3 6/13



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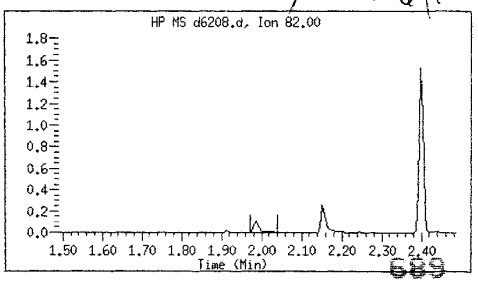

689

M1 - Target system did not integrate
M2 - Target system integrated incorrectly
M3 - Target system integrated the wrong peak

170762

GCAL, Inc.

RECOVERY REPORT

Client Name: 35-22-11 Client SDG: 2080602.s
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: 1600 Client Smp ID: STDICV
Level: LOW Operator: sah
Data Type: MS DATA SampleType: LCS
SpikeList File: ICV75.spk Quant Type: ISTD
Sublist File: 8270C.sub
Method File: /chem/MSSV5.i/2080602.s.b/8270CE_05.m
Misc Info: STDICV*MSSV~5010~*

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1	n-Nitrosodimethylamine	50.0	48.9	97.82	70-130
2	Pyridine	50.0	62.4	124.80	70-130
6	Phenol +	50.0	54.1	108.11	70-130
5	Aniline	50.0	52.7	105.47	70-130
7	bis(-2-Chloroethyl)Ether	50.0	55.8	111.66	70-130
8	2-Chlorophenol	50.0	53.9	107.81	70-130
9	1,3-Dichlorobenzene	50.0	50.5	100.96	70-130
11	1,4-Dichlorobenzene +	50.0	51.0	102.09	70-130
13	1,2-Dichlorobenzene	50.0	52.0	104.02	70-130
12	Benzyl alcohol	50.0	52.2	104.35	70-130
15	2-Methylphenol	50.0	56.5	112.95	70-130
14	Bis(2-chloroisopropyl)ether	50.0	54.3	108.63	70-130
17	3- & 4-Methylphenol	50.0	54.7	109.47	70-130
16	N-Nitroso-di-n-propylamine++	50.0	57.1	114.29	70-130
18	Hexachloroethane	50.0	51.7	103.45	70-130
20	Nitrobenzene	50.0	52.1	104.20	70-130
21	Isophorone	50.0	53.0	106.04	70-130
22	2-Nitrophenol +	50.0	53.9	107.78	70-130
23	2,4-Dimethyphenol	50.0	55.5	111.09	70-130
25	Benzoic Acid	50.0	51.0	101.92	70-130
24	bis(-2-Chloroethoxy)methane	50.0	56.6	113.11	70-130
26	2,4-Dichlorophenol +	50.0	55.7	111.30	70-130
27	1,2,4-Trichlorobenzene	50.0	51.7	103.42	70-130
29	Naphthalene	50.0	52.2	104.46	70-130
30	4-Chloroaniline	50.0	51.5	103.01	70-130
31	Hexachlorobutadiene +	50.0	50.5	101.00	70-130
32	4-Chloro-3-Methylphenol +	50.0	57.2	114.45	70-130
33	2-Methylnaphthalene	50.0	52.0	103.96	70-130
34	Hexachlorocyclopentadiene ++	50.0	50.2	100.38	70-130
35	2,4,6-Trichlorophenol +	50.0	53.9	107.79	70-130
36	2,4,5-Trichlorphenol	50.0	54.1	108.16	70-130
38	2-Chloronaphthalene	50.0	51.9	103.71	70-130
39	2-Nitroaniline	50.0	54.3	108.58	70-130

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SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
40 Dimethylphthalate	50.0	57.2	114.36	70-130
41 2,6-Dinitrotoluene	50.0	52.3	104.55	70-130
42 Acenaphthylene	50.0	48.0	96.00	70-130
43 3-Nitroaniline	50.0	53.6	107.29	70-130
45 Acenaphthene +	50.0	50.5	100.98	70-130
46 2,4-Dinitrophenol ++	50.0	50.9	101.88	70-130
49 4-Nitrophenol ++	50.0	52.4	104.78	70-130
48 2,4-Dinitrotoluene	50.0	52.3	104.55	70-130
47 Dibenzofuran	50.0	53.0	106.03	70-130
50 Diethylphthalate	50.0	55.7	111.43	70-130
51 Fluorene	50.0	51.4	102.74	70-130
52 4-Chlorophenyl-phenylether	50.0	56.0	112.06	70-130
55 N-nitrosodiphenylamine (1)+	50.0	52.7	105.32	70-130
53 4-Nitroaniline	50.0	50.9	101.74	70-130
54 4,6-Dinitro-o-cresol	50.0	51.5	102.94	70-130
56 Azobenzene	50.0	55.5	111.03	70-130
58 4-Bromophenyl-phenylether	50.0	55.4	110.83	70-130
59 Hexachlorobenzene	50.0	49.6	99.16	70-130
60 Pentachlorophenol +	50.0	48.4	96.76	70-130
62 Phenanthrene	50.0	48.9	97.83	70-130
63 Anthracene	50.0	50.7	101.43	70-130
65 Di-n-butylphthalate	50.0	57.3	114.66	70-130
67 Fluoranthene +	50.0	49.5	98.99	70-130
69 Pyrene	50.0	56.2	112.43	70-130
71 Butylbenzylphthalate	50.0	59.6	119.18	70-130
73 3,3'-Dichlorobenzidine	50.0	53.5	106.94	70-130
72 Benzo(a)anthracene	50.0	48.3	96.65	70-130
75 Chrysene	50.0	52.8	105.62	70-130
76 bis(2-Ethylhexyl)phthalate	50.0	58.6	117.19	70-130
77 Di-n-octylphthalate +	50.0	55.1	110.11	70-130
78 Benzo(b)fluoranthene	50.0	46.7	93.36	70-130
79 Benzo(k)fluoranthene	50.0	60.4	120.76	70-130
80 Benzo(a)pyrene +	50.0	54.9	109.78	70-130
82 Indeno(1,2,3-cd)pyrene	50.0	45.6	91.18	70-130
83 Dibenzo(a,h)anthracene	50.0	54.5	109.08	70-130
84 Benzo(g,h,i)perylene	50.0	61.6	123.10	70-130

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 3 2-Fluorophenol	100	56.8	56.81	24-96
$ 4 Phenol-d5	100	56.8	56.79	10-76
$ 19 Nitrobenzene-d5	50.0	54.4	108.74	43-110
$ 37 2-Fluorobiphenyl	50.0	55.1	110.17	16-128

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SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 57 2,4,6-Tribromophenol	100	52.9	52.89	19-133
$ 70 Terphenyl-d14	50.0	52.8	105.56	47-121

170765

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /chem/MSSV5.i/2080602.s.b/d6210.d
Lab Smp Id: 1600 Client Smp ID: STDICV
Inj Date : 02-JUN-2008 12:08
Operator : sah Inst ID: MSSV5.i
Smp Info : 1600*35-22-11
Misc Info : STDICV*MSSV~5010~*
Comment :
Method : /chem/MSSV5.i/2080602.s.b/8270CE_05.m
Meth Date : 12-Jun-2008 15:48 rbm Quant Type: ISTD
Cal Date : 15-MAY-2008 13:28 Cal File: d5480.d
Als bottle: 13 QC Sample: LCS
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	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	2 Pyridine	79	0.312	0.312	(0.196)	576365	62.4003	62.4
	1 n-Nitrosodimethylamine	42	0.312	0.312	(0.196)	56234	48.9098	48.9
$	3 2-Fluorophenol	112	0.740	0.740	(0.465)	743471	56.8134	56.8
$	4 Phenol-d5	99	1.484	1.489	(0.933)	1702978	56.7924	56.8
	5 Aniline	93	1.382	1.382	(0.869)	1150974	52.7336	52.7
	6 Phenol +	94	1.494	1.500	(0.939)	1767248	54.0562	54.1
	7 bis(-2-Chloroethyl)Ether	63	1.446	1.446	(0.909)	954198	55.8307	55.8
	8 2-Chlorophenol	128	1.489	1.489	(0.936)	1027083	53.9061	53.9
	9 1,3-Dichlorobenzene	146	1.548	1.542	(0.973)	1131380	50.4796	50.5
*	10 1,4-Dichlorobenzene-d4	152	1.591	1.591	(1.000)	585578	40.0000	
	11 1,4-Dichlorobenzene +	146	1.601	1.601	(1.007)	1146247	51.0441	51.0
	12 Benzyl alcohol	108	1.746	1.740	(1.098)	798949	52.1747	52.2
	13 1,2-Dichlorobenzene	146	1.703	1.698	(1.071)	1106765	52.0080	52.0

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		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/L)	
	15 2-Methylphenol	108	1.879	1.879	(1.182)	1155047	56.4755	56.5	
	14 Bis(2-chloroisopropyl)ether	45	1.821	1.821	(1.145)	1257401	54.3132	54.3	
	17 3- & 4-Methylphenol	108	1.981	1.981	(1.245)	1179785	54.7337	54.7	
	16 N-Nitroso-di-n-propylamine++	70	1.917	1.917	(1.205)	1143631	57.1428	57.1	
	18 Hexachloroethane	117	1.911	1.912	(1.202)	508184	51.7264	51.7	
$	19 Nitrobenzene-d5	82	1.976	1.976	(0.822)	1524905	54.3696	54.4	
	20 Nitrobenzene	77	1.986	1.986	(0.826)	2131686	52.0990	52.1	
	21 Isophorone	82	2.152	2.147	(0.895)	2816561	53.0184	53.0	
	22 2-Nitrophenol +	139	2.190	2.190	(0.911)	532365	53.8915	53.9	
	23 2,4-Dimethyphenol	107	2.286	2.286	(0.951)	1350198	55.5441	55.5	
	24 bis(-2-Chloroethoxy)methane	93	2.313	2.307	(0.962)	1664810	56.5531	56.6	
	25 Benzoic Acid	122	2.436	2.430	(1.013)	398959	50.9624	51.0	
	26 2,4-Dichlorophenol +	162	2.382	2.382	(0.991)	795540	55.6509	55.7	
	27 1,2,4-Trichlorobenzene	180	2.382	2.377	(0.991)	925905	51.7084	51.7	
*	28 Naphthalene-d8	136	2.404	2.404	(1.000)	2155778	40.0000		
	29 Naphthalene	128	2.414	2.414	(1.004)	2934593	52.2308	52.2	
	30 4-Chloroaniline	127	2.489	2.484	(1.036)	814941	51.5038	51.5	
	31 Hexachlorobutadiene +	225	2.511	2.511	(1.044)	608951	50.5000	50.5	
	32 4-Chloro-3-Methylphenol +	107	2.853	2.853	(1.187)	1025489	57.2240	57.2	
	33 2-Methylnaphthalene	142	2.842	2.837	(1.182)	1829063	51.9810	52.0(M2)	
	145 1-Methylnapthalene	142	2.896	2.896	(1.205)	1670499	51.9407	51.9	
	34 Hexachlorocyclopentadiene ++	237	2.944	2.944	(0.851)	539247	50.1888	50.2	
	35 2,4,6-Trichlorophenol +	196	3.051	3.045	(0.882)	554145	53.8941	53.9	
	36 2,4,5-Trichlorphenol	196	3.099	3.099	(0.896)	572332	54.0788	54.1	
$	37 2-Fluorobiphenyl	172	3.083	3.078	(0.892)	1985170	55.0829	55.1	
	38 2-Chloronaphthalene	162	3.131	3.126	(0.906)	1671128	51.8531	51.9	
	39 2-Nitroaniline	138	3.227	3.222	(0.933)	558504	54.2917	54.3	
	40 Dimethylphthalate	163	3.350	3.345	(0.969)	1877225	57.1817	57.2	
	41 2,6-Dinitrotoluene	165	3.618	3.612	(1.046)	537047	52.2747	52.3	
	42 Acenaphthylene	152	3.372	3.366	(0.975)	2248333	48.0011	48.0	
	43 3-Nitroaniline	138	3.473	3.473	(1.005)	383762	53.6442	53.6	
*	44 Acenaphthene-d10	164	3.457	3.452	(1.000)	1155385	40.0000		
	45 Acenaphthene +	153	3.479	3.473	(1.006)	1573689	50.4918	50.5	
	46 2,4-Dinitrophenol ++	184	3.548	3.543	(1.026)	246313	50.9416	50.9(M1)	
	49 4-Nitrophenol ++	109	3.698	3.698	(1.070)	223757	52.3899	52.4	
	47 Dibenzofuran	168	3.580	3.580	(1.036)	2208531	53.0141	53.0	
	48 2,4-Dinitrotoluene	165	3.618	3.612	(1.046)	537047	52.2747	52.3	
	50 Diethylphthalate	149	3.778	3.773	(1.093)	1697173	55.7166	55.7	
	52 4-Chlorophenyl-phenylether	204	3.805	3.805	(1.101)	923683	56.0308	56.0	
	51 Fluorene	166	3.784	3.784	(1.094)	1748958	51.3700	51.4	
	53 4-Nitroaniline	138	3.842	3.842	(1.111)	360509	50.8697	50.9	
	54 4,6-Dinitro-o-cresol	198	3.864	3.858	(0.891)	328181	51.4677	51.5	
	55 N-nitrosodiphenylamine (1)+	169	3.885	3.885	(0.896)	1158878	52.6609	52.7	
	56 Azobenzene	77	3.901	3.896	(0.900)	2976056	55.5135	55.5	
$	57 2,4,6-Tribromophenol	332	3.939	3.939	(1.139)	229066	52.8938	52.9	
	58 4-Bromophenyl-phenylether	248	4.094	4.088	(0.944)	448652	55.4161	55.4	
	59 Hexachlorobenzene	284	4.115	4.110	(0.949)	514816	49.5792	49.6	

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		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/L)	
	60 Pentachlorophenol +	266	4.260	4.260	(0.983)	295914	48.3812	48.4	
*	61 Phenanthrene-d10	188	4.334	4.334	(1.000)	1768767	40.0000		
	62 Phenanthrene	178	4.350	4.351	(1.004)	2234031	48.9171	48.9	
	63 Anthracene	178	4.383	4.377	(1.011)	2254052	50.7161	50.7	
	64 Carbazole	167	4.506	4.500	(1.039)	1890449	48.7807	48.8	
	65 Di-n-butylphthalate	149	4.757	4.757	(1.097)	2576130	57.3324	57.3	
	67 Fluoranthene +	202	5.062	5.057	(1.168)	2223055	49.4927	49.5	
	68 Benzidine	184	5.319	5.185	(0.895)	19539	32.6081	32.6	
	69 Pyrene	202	5.062	5.057	(0.852)	2223055	56.2156	56.2	
$	70 Terphenyl-d14	244	5.319	5.319	(0.895)	1352394	52.7807	52.8	
	71 Butylbenzylphthalate	149	5.645	5.645	(0.950)	916548	59.5892	59.6	
	73 3,3'-Dichlorobenzidine	252	5.955	5.955	(1.002)	521743	53.4686	53.5	
	72 Benzo(a)anthracene	228	5.939	5.934	(0.999)	1537670	48.3235	48.3	
*	74 Chrysene-d12	240	5.944	5.944	(1.000)	1142655	40.0000		
	76 bis(2-Ethylhexyl)phthalate	149	6.057	6.051	(1.019)	1139798	58.5946	58.6	
	75 Chrysene	228	5.960	5.960	(1.003)	1971741	52.8079	52.8	
	77 Di-n-octylphthalate +	149	6.517	6.511	(1.096)	1787152	55.0567	55.1	
	78 Benzo(b)fluoranthene	252	6.677	6.672	(0.963)	1000170	46.6819	46.7	
	79 Benzo(k)fluoranthene	252	6.693	6.693	(0.965)	1937096	60.3823	60.4(M1)	
	80 Benzo(a)pyrene +	252	6.891	6.891	(0.994)	1358291	54.8892	54.9	
*	81 Perylene-d12	264	6.934	6.929	(1.000)	837662	40.0000		
	82 Indeno(1,2,3-cd)pyrene	276	7.640	7.635	(1.285)	810895	45.5891	45.6(M1)	
	83 Dibenzo(a,h)anthracene	278	7.656	7.656	(1.104)	1295798	54.5420	54.5	
	84 Benzo(g,h,i)perylene	276	7.800	7.795	(1.125)	1761854	61.5504	61.6	
M	66 Total Methylphenol	108				2334832	111.209	111	
	91 Acetophenone	105	1.890	1.885	(1.188)	1609799	55.5020	55.5	
	155 Benzaldehyde	77	1.275	1.280	(0.802)	616900	73.5479	73.5	
	156 Caprolactam	113	2.730	2.725	(1.136)	310541	64.2953	64.3	
	157 Biphenyl	154	3.131	3.131	(1.303)	2133694	57.9550	58.0	
	158 Atrazine	200	4.238	4.238	(0.978)	205625	62.6057	62.6	

QC Flag Legend

M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.

170768

Data File: /var/chem/MSSV5.i/2080602.s.b/d6210.d

Date : 02-JUN-2008 12:08

Client ID: STDICV

Sample Info: 1600*35-22-11

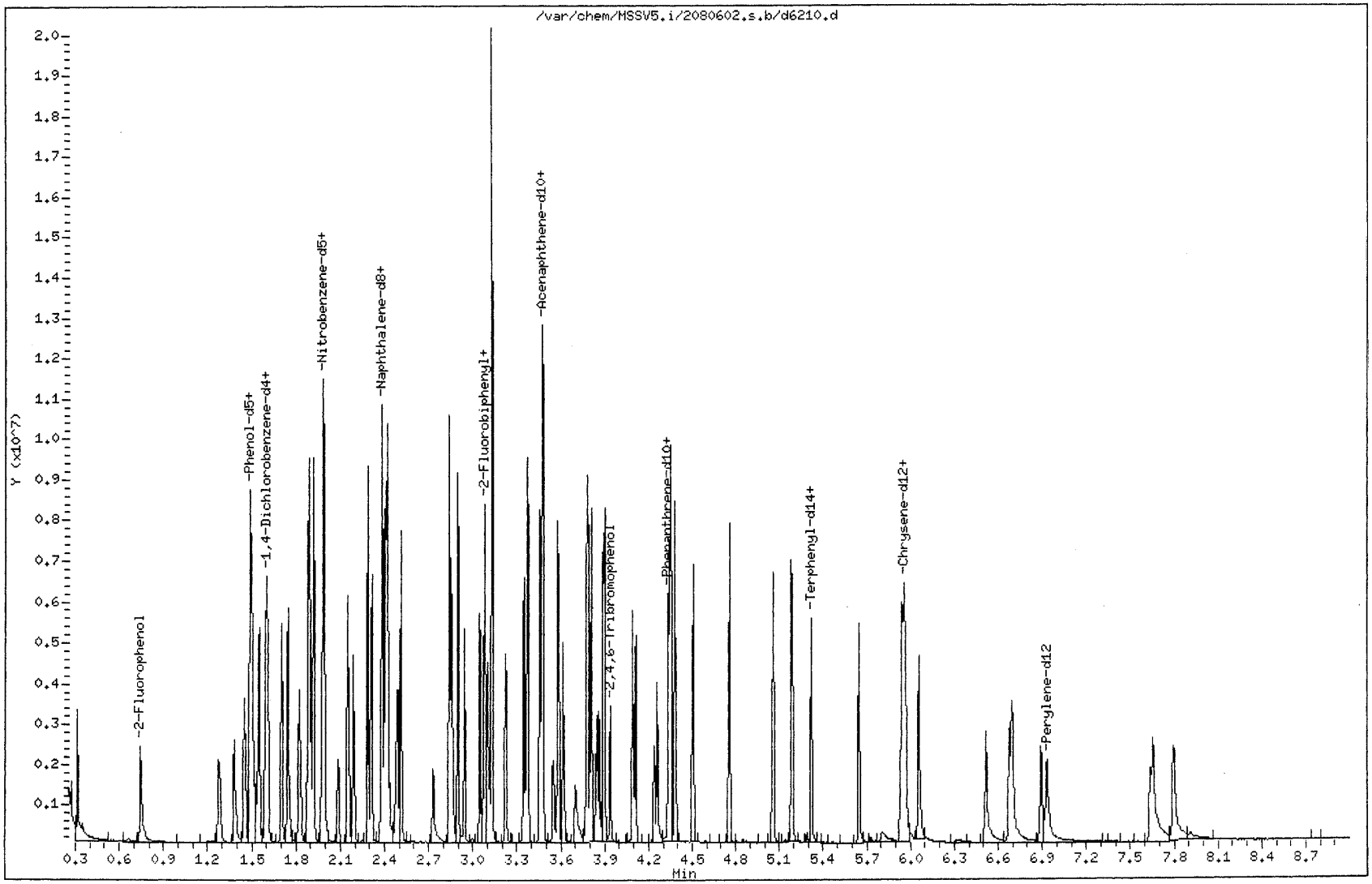
Volume Injected (uL): 1.0

Column phase: RTX-5MS-30M

Instrument: MSSV5.i

Operator: sah

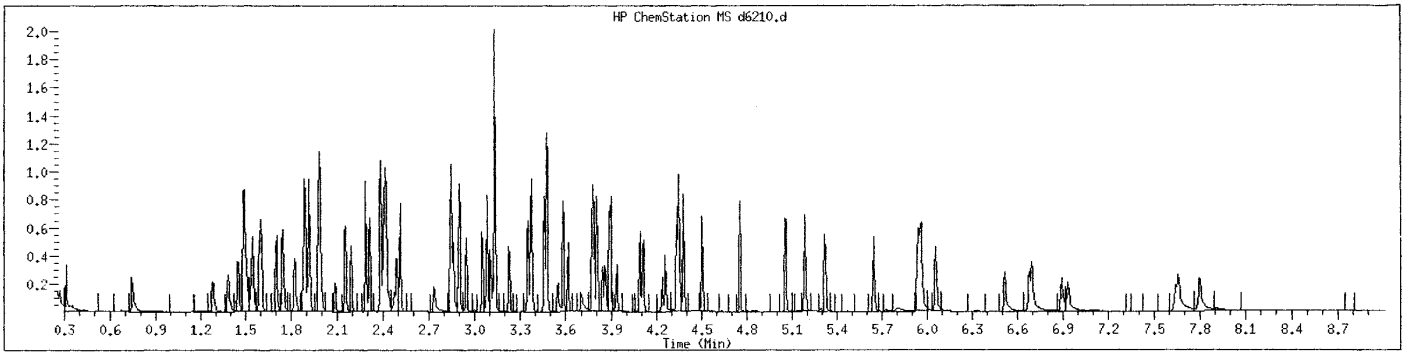
Column diameter: 0.25



Data file : /chem/MSSV5.i/2080602.s.b/d6210.d Page: 1
Report Date: 06/12/2008 15:48

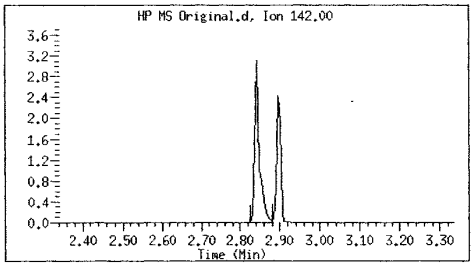
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 06/02/2008 12:08	Instrument	: MSSV5.i
Operator	: sah		
Sample Info	: 1600*35-22-11		
Misc Info	: STDICV*MSSV~5010~*		
Method	: /chem/MSSV5.i/2080602.s.b/8270CE_05.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8270C



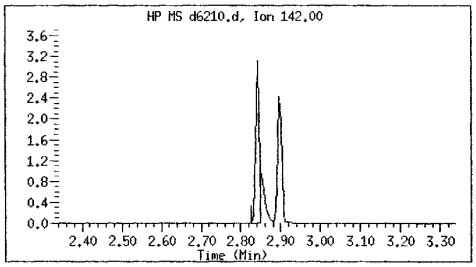
Original Final

33 2-Methylnaphthalene CAS#: 91-57-6 Reason: M2

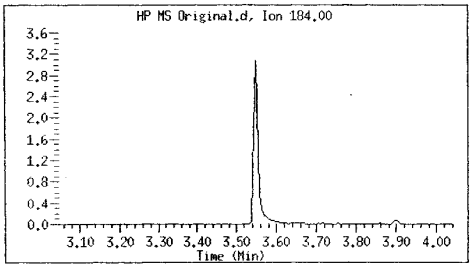


Electronic Signature Applied

User: root
Date: 06/02/2008 13:43

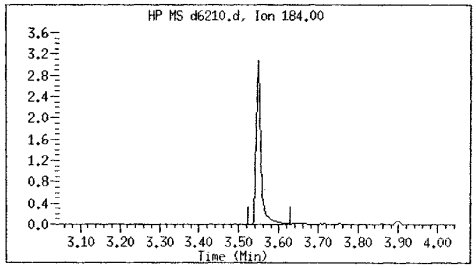


46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



Electronic Signature Applied

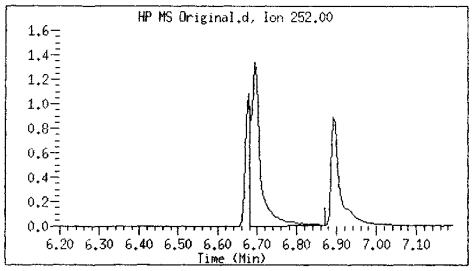
User: root
Date: 06/02/2008 13:43



170770

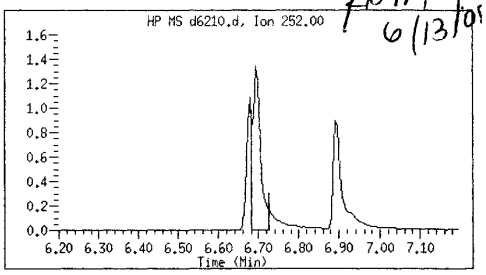
Original Final

79 Benzo(k)fluoranthene CAS#: 207-08-9 Reason: M1/2 fbm 6/13/08

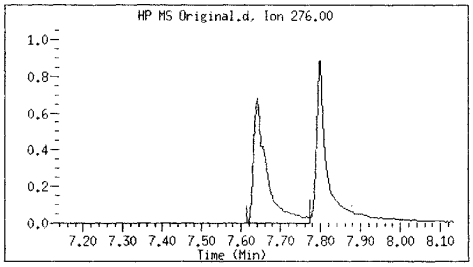


Electronic Signature Applied

User: root
Date: 06/02/2008 13:43

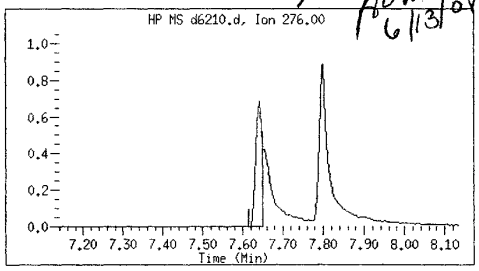


82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M1/2 fbm 6/13/08



Electronic Signature Applied

User: root
Date: 06/02/2008 13:43



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

170771

Data File: /var/chem/MSSV5.i/2080607.s.b/d6368.d
Report Date: 07-Jun-2008 10:48

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i
Lab File ID: d6368.d
Analysis Type: WATER
Lab Sample ID: 1400
Method: /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m

Injection Date: 07-JUN-2008 09:43
Init. Cal. Date(s): 03-APR-2008 05-JUN-2008
Init. Cal. Times: 09:18 12:01
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
2 Pyridine	68.78797	50.00000	0.87734	0.050	37.57593	30.00000	Quadratic	<-
1 n-Nitrosodimethylamine	87.12107	50.00000	0.15515	0.050	74.24214	30.00000	Quadratic	<-
$ 3 2-Fluorophenol	0.89390	0.95567	0.95567	0.050	6.90989	30.00000	Averaged	
$ 4 Phenol-d5	2.04830	2.39868	2.39868	0.050	17.10556	30.00000	Averaged	
5 Aniline	56.75195	50.00000	1.64592	0.050	13.50389	30.00000	Quadratic	
6 Phenol +	2.23320	2.53505	2.53505	0.050	13.51657	20.00000	Averaged	
7 bis(-2-Chloroethyl)Ether	1.16746	1.32668	1.32668	0.050	13.63845	30.00000	Averaged	
8 2-Chlorophenol	1.30150	1.43607	1.43607	0.050	10.33972	30.00000	Averaged	
9 1,3-Dichlorobenzene	1.53098	1.53227	1.53227	0.050	0.08454	30.00000	Averaged	
11 1,4-Dichlorobenzene +	1.53394	1.54916	1.54916	0.050	0.99222	20.00000	Averaged	
12 Benzyl alcohol	1.04601	1.18918	1.18918	0.050	13.68741	30.00000	Averaged	
13 1,2-Dichlorobenzene	1.45365	1.48858	1.48858	0.050	2.40271	30.00000	Averaged	
15 2-Methylphenol	1.39706	1.66949	1.66949	0.050	19.50063	30.00000	Averaged	
14 Bis(2-chloroisopropyl)ether	1.58141	1.73491	1.73491	0.050	9.70690	30.00000	Averaged	
17 3- & 4-Methylphenol	1.47239	1.73207	1.73207	0.050	17.63637	30.00000	Averaged	
16 N-Nitroso-di-n-propylamine+	1.36710	1.66860	1.66860	0.050	22.05423	30.00000	Averaged	
18 Hexachloroethane	0.67109	0.68762	0.68762	0.050	2.46319	30.00000	Averaged	
$ 19 Nitrobenzene-d5	0.52041	0.55915	0.55915	0.050	7.44493	30.00000	Averaged	
20 Nitrobenzene	0.75919	0.78978	0.78978	0.050	4.02990	30.00000	Averaged	
21 Isophorone	0.98571	1.00274	1.00274	0.050	1.72804	30.00000	Averaged	
22 2-Nitrophenol +	0.18329	0.19470	0.19470	0.050	6.22493	20.00000	Averaged	
23 2,4-Dimethyphenol	0.45104	0.50046	0.50046	0.050	10.95635	30.00000	Averaged	
24 bis(-2-Chloroethoxy)methane	0.54622	0.60109	0.60109	0.050	10.04543	30.00000	Averaged	
25 Benzoic Acid	70.88940	50.00000	0.21857	0.050	41.77880	30.00000	Quadratic	<-
26 2,4-Dichlorophenol +	0.26524	0.29630	0.29630	0.050	11.71000	20.00000	Averaged	
27 1,2,4-Trichlorobenzene	0.33225	0.33456	0.33456	0.050	0.69714	30.00000	Averaged	
29 Naphthalene	1.04250	1.07780	1.07780	0.050	3.38598	30.00000	Averaged	
30 4-Chloroaniline	53.88467	50.00000	0.31317	0.050	7.76935	30.00000	Quadratic	
31 Hexachlorobutadiene +	49.66163	50.00000	0.22215	0.050	-0.67673	20.00000	Linear	
32 4-Chloro-3-Methylphenol +	0.33251	0.37746	0.37746	0.050	13.51684	20.00000	Averaged	
33 2-Methylnaphthalene	56.77221	50.00000	0.74539	0.050	13.54441	30.00000	Quadratic	
145 1-Methylnapthalene	0.59675	0.61797	0.61797	0.050	3.55479	30.00000	Averaged	
34 Hexachlorocyclopentadiene +	53.26807	50.00000	0.39960	0.050	6.53613	30.00000	Linear	
35 2,4,6-Trichlorophenol +	0.35597	0.40662	0.40662	0.050	14.22940	20.00000	Averaged	
36 2,4,5-Trichlorphenol	0.36640	0.40505	0.40505	0.050	10.54970	30.00000	Averaged	
$ 37 2-Fluorobiphenyl	1.24771	1.43209	1.43209	0.050	14.77710	30.00000	Averaged	

170772

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i Injection Date: 07-JUN-2008 09:43
Lab File ID: d6368.d Init. Cal. Date(s): 03-APR-2008 05-JUN-2008
Analysis Type: WATER Init. Cal. Times: 09:18 12:01
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2-Chloronaphthalene	1.11575	1.20320	1.20320	0.050	7.83739	30.00000	Averaged	
39 2-Nitroaniline	0.35614	0.36704	0.36704	0.050	3.06076	30.00000	Averaged	
40 Dimethylphthalate	1.13656	1.23678	1.23678	0.050	8.81830	30.00000	Averaged	
41 2,6-Dinitrotoluene	0.35568	0.27308	0.27308	0.050	-23.22287	30.00000	Averaged	
42 Acenaphthylene	1.62160	1.60523	1.60523	0.050	-1.00936	30.00000	Averaged	
43 3-Nitroaniline	0.24767	0.25988	0.25988	0.050	4.92873	30.00000	Averaged	
45 Acenaphthene +	1.07902	1.12203	1.12203	0.050	3.98557	20.00000	Averaged	
46 2,4-Dinitrophenol ++	51.42348	50.00000	0.17238	0.050	2.84695	30.00000	Linear	
49 4-Nitrophenol ++	0.14786	0.16621	0.16621	0.050	12.40451	30.00000	Averaged	
47 Dibenzofuran	1.44227	1.57394	1.57394	0.050	9.12924	30.00000	Averaged	
48 2,4-Dinitrotoluene	0.35568	0.33643	0.33643	0.050	-5.41175	30.00000	Averaged	
50 Diethylphthalate	1.05457	1.12627	1.12627	0.050	6.79946	30.00000	Averaged	
52 4-Chlorophenyl-phenylether	0.57073	0.63849	0.63849	0.050	11.87356	30.00000	Averaged	
51 Fluorene	1.17870	1.20166	1.20166	0.050	1.94772	30.00000	Averaged	
53 4-Nitroaniline	0.24535	0.22742	0.22742	0.050	-7.30924	30.00000	Averaged	
54 4,6-Dinitro-o-cresol	52.42630	50.00000	0.15140	0.050	4.85260	30.00000	Linear	
55 N-nitrosodiphenylamine (1)+	0.49767	0.56238	0.56238	0.050	13.00244	20.00000	Averaged	
56 Azobenzene	1.21236	1.43872	1.43872	0.050	18.67109	30.00000	Averaged	
$ 57 2,4,6-Tribromophenol	0.14993	0.15538	0.15538	0.050	3.63584	30.00000	Averaged	
58 4-Bromophenyl-phenylether	0.18309	0.21568	0.21568	0.050	17.80278	30.00000	Averaged	
59 Hexachlorobenzene	0.23482	0.24553	0.24553	0.050	4.55888	30.00000	Averaged	
60 Pentachlorophenol +	50.43608	50.00000	0.14002	0.050	0.87215	20.00000	Linear	
62 Phenanthrene	1.03280	1.03219	1.03219	0.050	-0.05902	30.00000	Averaged	
63 Anthracene	1.00510	1.00309	1.00309	0.050	-0.19941	30.00000	Averaged	
64 Carbazole	0.87641	0.80734	0.80734	0.050	-7.88099	30.00000	Averaged	
65 Di-n-butylphthalate	1.01615	1.04738	1.04738	0.050	3.07354	30.00000	Averaged	
67 Fluoranthene +	1.01578	0.84665	0.84665	0.050	-16.64984	20.00000	Averaged	
68 Benzidine	0.02098	0.02998	0.02998	0.050	42.93596	30.00000	Averaged	<-
69 Pyrene	1.38433	1.60915	1.60915	0.050	16.24080	30.00000	Averaged	
$ 70 Terphenyl-d14	0.89696	1.00067	1.00067	0.050	11.56216	30.00000	Averaged	
71 Butylbenzylphthalate	0.53843	0.62384	0.62384	0.050	15.86128	30.00000	Averaged	
73 3,3'-Dichlorobenzidine	0.34159	0.37437	0.37437	0.050	9.59743	30.00000	Averaged	
72 Benzo(a)anthracene	52.27175	50.00000	1.16993	0.050	4.54350	30.00000	Linear	
76 bis(2-Ethylhexyl)phthalate	0.68095	0.78211	0.78211	0.050	14.85607	30.00000	Averaged	
75 Chrysene	1.30706	1.31838	1.31838	0.050	0.86576	30.00000	Averaged	
77 Di-n-octylphthalate +	53.51606	50.00000	1.21275	0.050	7.03211	20.00000	Linear	

170773

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i Injection Date: 07-JUN-2008 09:43
Lab File ID: d6368.d Init. Cal. Date(s): 03-APR-2008 05-JUN-2008
Analysis Type: WATER Init. Cal. Times: 09:18 12:01
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
78 Benzo(b)fluoranthene	61.17521	50.00000	1.29158	0.050	22.35041	30.00000	Quadratic	
79 Benzo(k)fluoranthene	1.53191	1.64676	1.64676	0.050	7.49748	30.00000	Averaged	
80 Benzo(a)pyrene +	52.90962	50.00000	1.24700	0.050	5.81925	20.00000	Linear	
82 Indeno(1,2,3-cd)pyrene	61.14576	50.00000	0.81814	0.050	22.29152	30.00000	Quadratic	
83 Dibenzo(a,h)anthracene	57.73827	50.00000	1.31936	0.050	15.47653	30.00000	Quadratic	
84 Benzo(g,h,i)perylene	54.35994	50.00000	1.46771	0.050	8.71988	30.00000	Quadratic	
M 66 Total Methylphenol	1.41875	1.70078	1.70078	0.050	19.87859	30.00000	Averaged	
91 Acetophenone	1.98125	2.32048	2.32048	0.050	17.12219	30.00000	Averaged	
155 Benzaldehyde	0.57295	0.80105	0.80105	0.050	39.81073	30.00000	Averaged	<-
156 Caprolactam	0.08962	0.10907	0.10907	0.050	21.70164	30.00000	Averaged	
157 Biphenyl	0.68312	0.78065	0.78065	0.050	14.27649	30.00000	Averaged	
158 Atrazine	46.25040	50.00000	0.06995	0.050	-7.49921	30.00000	Quadratic	
174 1,4-Dioxane	0.15980	0.28744	0.28744	0.050	79.87949	30.00000	Averaged	<- NT

Average %D / Drift Results.

Calculated Average %D/Drift = 12.54328
Maximun Average %D/Drift = 30.00000
* Passed Average %D/Drift Test.

170774

GCAL, Inc.

Data file : /var/chem/MSSV5.i/2080607.s.b/d6364.d
Lab Smp Id: 1100 Client Smp ID: DFTPP
Inj Date : 07-JUN-2008 08:41
Operator : KCB Inst ID: MSSV5.i
Smp Info : 1100*35-6-6*
Misc Info : DFTPP*MSSV~5022~*
Comment :
Method : /var/chem/MSSV5.i/2080607.s.b/dftpp_05.m
Meth Date : 14-May-2008 08:59 root 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

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.559	4.430	0.129	198	271442			100.00- 100.00	100.00
4.559	4.430	0.129	51	97576			30.00- 60.00	35.95
4.559	4.430	0.129	68	1777			0.00- 2.00	1.23
4.559	4.430	0.129	69	144792			0.00- 0.00	53.34
4.559	4.430	0.129	70	556			0.00- 2.00	0.38
4.559	4.430	0.129	127	133520			40.00- 60.00	49.19
4.559	4.430	0.129	197	2313			0.00- 1.00	0.85
4.559	4.430	0.129	199	17656			5.00- 9.00	6.50
4.559	4.430	0.129	275	69136			10.00- 30.00	25.47
4.559	4.430	0.129	365	8284			1.00- 0.00	3.05
4.559	4.430	0.129	441	23488			0.01- 99.99	70.35
4.559	4.430	0.129	442	176890			40.00- 100.00	65.17

170775

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp (continued)								
4.559	4.430	0.129	443	33386			17.00- 23.00	18.87

170776

Data File: /var/chem/MSSV5.i/2080607.s.b/d6364.d

Date : 07-JUN-2008 08:41

Client ID: DFTPP

Instrument: MSSV5.i

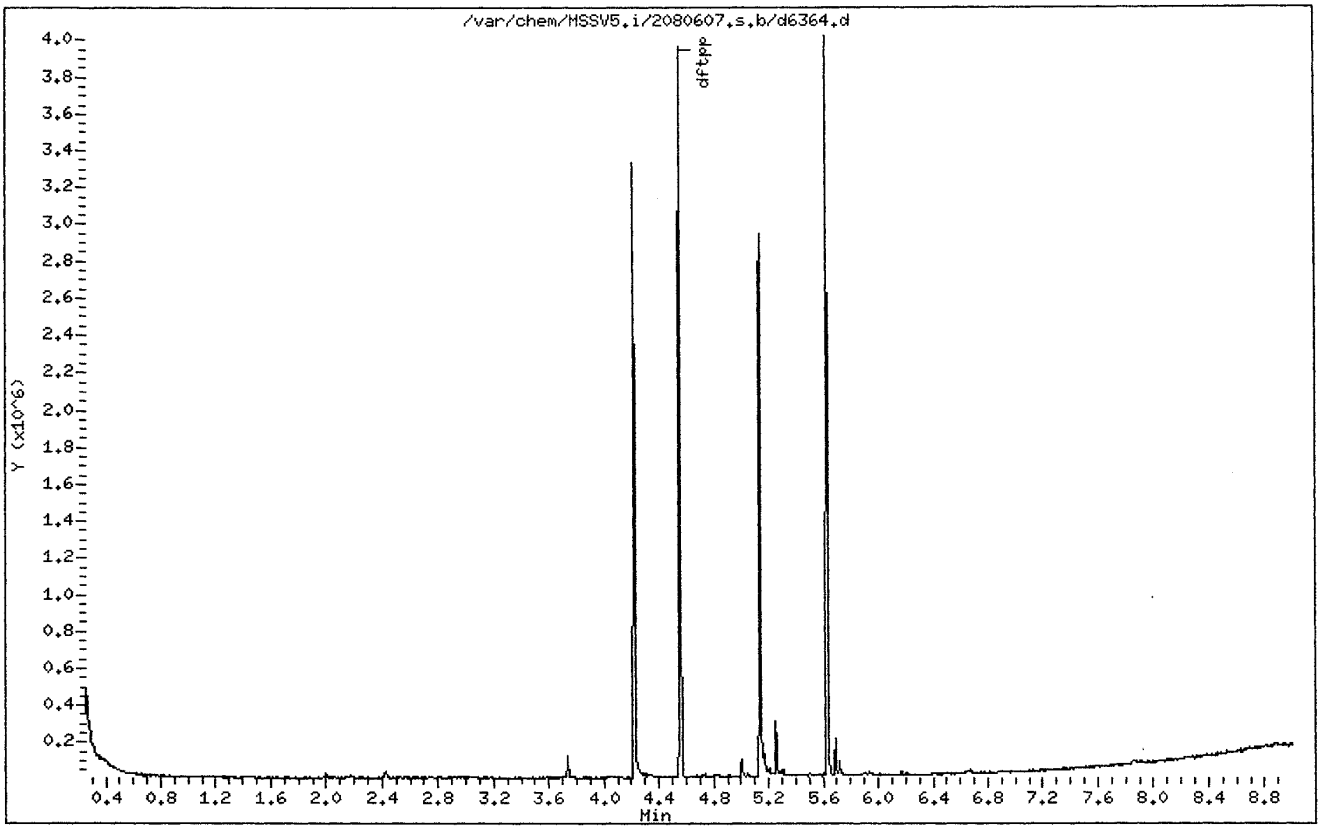
Sample Info: 1100*35-6-6*

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 2.00



170777

Data File: /var/chem/MSSV5.i/2080607.s.b/d6364.d

Date : 07-JUN-2008 08:41

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*35-6-6*

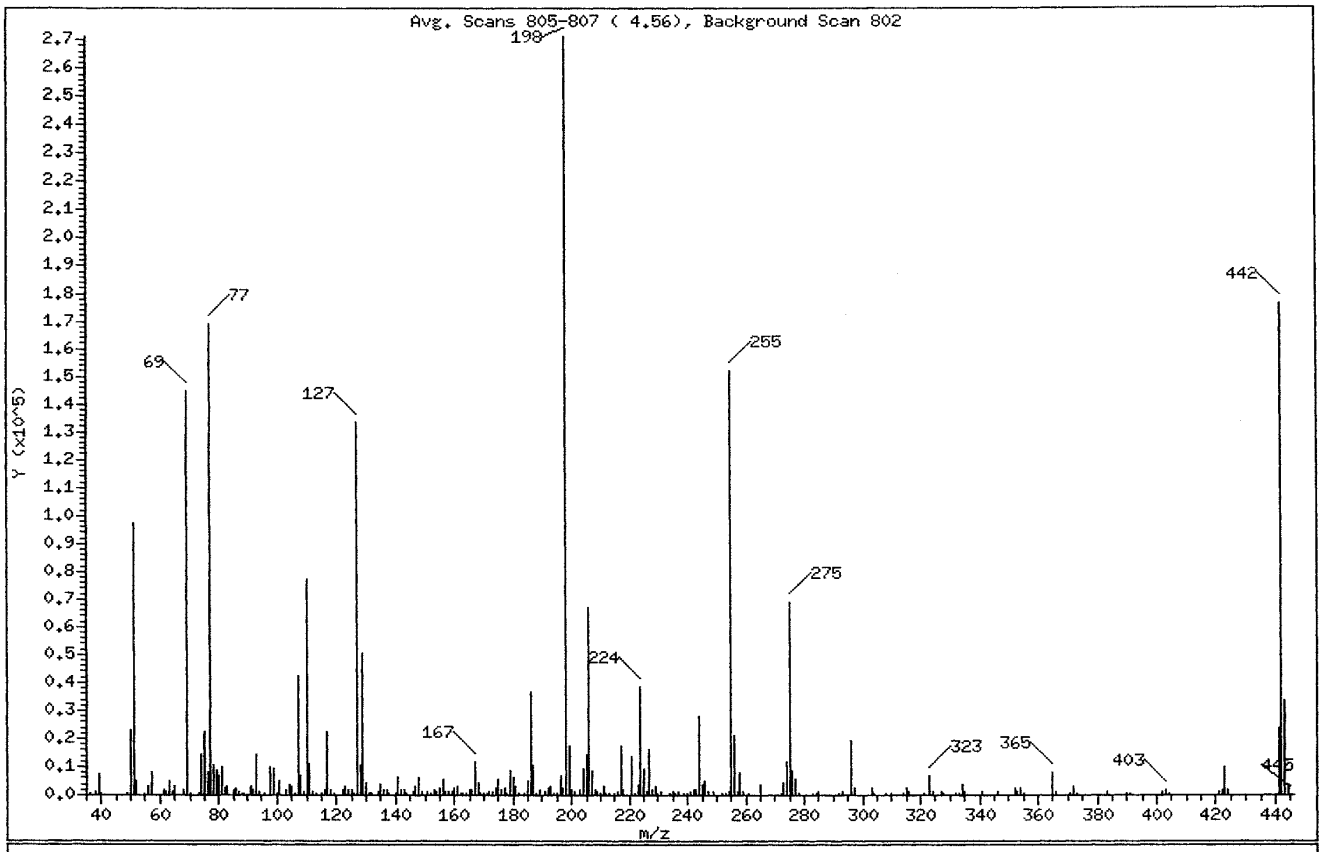
Volume Injected (uL): 1.0

Operator: KCB

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	35.95
68	Less than 2.00% of mass 69	0.65 (1.23)
69	Mass 69 relative abundance	53.34
70	Less than 2.00% of mass 69	0.20 (0.38)
127	40.00 - 60.00% of mass 198	49.19
197	Less than 1.00% of mass 198	0.85
199	5.00 - 9.00% of mass 198	6.50
275	10.00 - 30.00% of mass 198	25.47
365	Greater than 1.00% of mass 198	3.05
441	Present, but less than mass 443	8.65
442	40.00 - 100.00% of mass 198	65.17
443	17.00 - 23.00% of mass 442	12.30 (18.87)

170778

Data File: /var/chem/MSSV5.i/2080607.s.b/d6364.d

Date : 07-JUN-2008 08:41

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*35-6-6*

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 2.00

Data File: d6364.d

Spectrum: Avg. Scans 805-807 (4.56), Background Scan 802

Location of Maximum: 198.00

Number of points: 326

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	386	131.00	907	213.00	369	302.00	306
37.00	295	132.00	426	214.00	90	303.00	2737
38.00	1419	133.00	56	215.00	744	304.00	759
39.00	7346	134.00	1187	216.00	1349	305.00	59
40.00	430	135.00	3940	217.00	17528	306.00	68
42.00	118	136.00	1946	218.00	1942	308.00	425
43.00	5	137.00	1956	219.00	235	309.00	112
45.00	57	138.00	420	220.00	67	310.00	315
47.00	59	139.00	273	221.00	13796	311.00	65
49.00	566	140.00	485	222.00	912	312.00	143
50.00	23152	141.00	6049	223.00	3669	313.00	83
51.00	97576	142.00	2006	224.00	38520	314.00	751
52.00	5223	143.00	1801	225.00	9419	315.00	2336
55.00	316	144.00	463	226.00	1287	316.00	1156
56.00	3122	145.00	97	227.00	16372	317.00	280
57.00	7868	146.00	1414	228.00	2173	320.00	52
58.00	299	147.00	3149	229.00	3004	321.00	683
59.00	158	148.00	6205	230.00	445	322.00	150
61.00	1834	149.00	1156	231.00	1341	323.00	6704
62.00	1540	150.00	96	232.00	226	324.00	1305
63.00	5023	151.00	941	233.00	260	325.00	152
64.00	992	152.00	339	234.00	834	326.00	52
65.00	3209	153.00	1777	235.00	1311	327.00	1085
66.00	53	154.00	1327	236.00	824	328.00	625
67.00	45	155.00	2774	237.00	942	329.00	120
68.00	1777	156.00	5810	238.00	102	332.00	402
69.00	144768	157.00	1025	239.00	504	333.00	610
70.00	556	158.00	1097	240.00	377	334.00	3583
73.00	778	159.00	1089	241.00	968	335.00	1030
74.00	14564	160.00	2391	242.00	1878	336.00	165
75.00	22624	161.00	2974	243.00	1794	337.00	64
76.00	8374	162.00	735	244.00	28024	339.00	167
77.00	169024	163.00	318	245.00	3787	340.00	108
78.00	10306	164.00	437	246.00	5211	341.00	979
79.00	8717	165.00	1974	247.00	1250	342.00	108

170779

Data File: /var/chem/MSSV5.i/2080607.s.b/d6364.d

Date : 07-JUN-2008 08:41

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*35-6-6*

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 2.00

Data File: d6364.d

Spectrum: Avg. Scans 805-807 (4.56), Background Scan 802

Location of Maximum: 198.00

Number of points: 326

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	7117	166.00	1883	248.00	142	346.00	1266
81.00	9951	167.00	11566	249.00	1111	347.00	110
82.00	2627	168.00	4505	250.00	216	350.00	69
83.00	3012	169.00	853	251.00	273	352.00	2312
85.00	1889	170.00	455	252.00	359	353.00	1412
86.00	2802	171.00	537	253.00	504	354.00	2500
87.00	1250	172.00	1302	254.00	964	355.00	456
88.00	928	173.00	1389	255.00	151936	359.00	104
89.00	452	174.00	2282	256.00	21512	360.00	54
91.00	2956	175.00	5344	257.00	1423	365.00	8284
92.00	2166	176.00	1659	258.00	7852	366.00	1395
93.00	14197	177.00	2315	259.00	1447	367.00	81
94.00	1000	178.00	751	260.00	284	370.00	187
96.00	672	179.00	8646	261.00	406	371.00	422
98.00	9849	180.00	6304	262.00	51	372.00	2929
99.00	9187	181.00	3266	264.00	65	373.00	831
100.00	910	182.00	473	265.00	3538	374.00	82
101.00	5200	183.00	204	266.00	218	377.00	64
102.00	256	184.00	541	268.00	222	383.00	1115
103.00	1886	185.00	4719	270.00	161	384.00	273
104.00	3643	186.00	36936	271.00	258	389.00	63
105.00	3230	187.00	10322	272.00	420	390.00	382
106.00	912	188.00	904	273.00	4662	391.00	439
107.00	42576	189.00	1930	274.00	11616	392.00	257
108.00	6562	190.00	262	275.00	69136	393.00	86
109.00	1131	191.00	1155	276.00	8851	397.00	56
110.00	77216	192.00	2351	277.00	5678	401.00	245
111.00	10950	193.00	3312	278.00	903	402.00	1212
112.00	1284	194.00	662	279.00	209	403.00	1942
113.00	387	195.00	579	280.00	59	404.00	500
114.00	60	196.00	6764	282.00	149	405.00	86
115.00	383	197.00	2313	283.00	794	410.00	57
116.00	2100	198.00	271424	284.00	563	415.00	65
117.00	22664	199.00	17656	285.00	998	416.00	62
118.00	1882	200.00	1570	286.00	150	420.00	152

170780

Data File: /var/chem/MSSV5.i/2080607.s.b/d6364.d

Date : 07-JUN-2008 08:41

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*35-6-6*

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 2.00

Data File: d6364.d
Spectrum: Avg. Scans 805-807 (4.56), Background Scan 802
Location of Maximum: 198.00
Number of points: 326

m/z	Y	m/z	Y	m/z	Y	m/z	Y
119.00	367	201.00	1061	288.00	85	421.00	1333
120.00	274	202.00	69	289.00	153	422.00	1669
121.00	259	203.00	1849	290.00	228	423.00	10032
122.00	2062	204.00	9472	291.00	102	424.00	2138
123.00	3349	205.00	14661	292.00	539	425.00	281
124.00	1777	206.00	67448	293.00	1528	441.00	23488
125.00	1600	207.00	8716	294.00	293	442.00	176832
126.00	571	208.00	2117	295.00	179	443.00	33384
127.00	133504	209.00	1050	296.00	19088	444.00	3061
128.00	10330	210.00	921	297.00	2595	445.00	74
129.00	50264	211.00	2808	298.00	65		
130.00	4431	212.00	706	301.00	279		

170781

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080607.s.b/d6368.d
Lab Smp Id: 1400 Client Smp ID: STD050
Inj Date : 07-JUN-2008 09:43
Operator : KCB Inst ID: MSSV5.i
Smp Info : 1400*35-22-2
Misc Info : STD050*MSSV~5022~*
Comment :
Method : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Meth Date : 07-Jun-2008 10:48 root Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.d
Als bottle: 2 Continuing Calibration Sample
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	0.302	0.302	(0.194)	777707	50.0000	68.8
	1 n-Nitrosodimethylamine	42	0.302	0.302	(0.194)	137528	50.0000	87.1
$	3 2-Fluorophenol	112	0.703	0.703	(0.452)	847142	50.0000	53.5
$	4 Phenol-d5	99	1.436	1.436	(0.924)	2126287	50.0000	58.6
	5 Aniline	93	1.339	1.339	(0.862)	1459014	50.0000	56.8
	6 Phenol +	94	1.446	1.446	(0.931)	2247171	50.0000	56.8
	7 bis(-2-Chloroethyl)Ether	63	1.409	1.409	(0.907)	1176024	50.0000	56.8
	8 2-Chlorophenol	128	1.441	1.441	(0.928)	1272989	50.0000	55.2
	9 1,3-Dichlorobenzene	146	1.505	1.505	(0.969)	1358267	50.0000	50.0
*	10 1,4-Dichlorobenzene-d4	152	1.553	1.553	(1.000)	709153	40.0000	
	11 1,4-Dichlorobenzene +	146	1.564	1.564	(1.007)	1373237	50.0000	50.5
	12 Benzyl alcohol	108	1.708	1.708	(1.100)	1054136	50.0000	56.8
	13 1,2-Dichlorobenzene	146	1.660	1.660	(1.069)	1319537	50.0000	51.2

170782

		QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ppm)
	15 2-Methylphenol	108	1.837	1.837	(1.183)	1479909	50.0000	59.8
	14 Bis(2-chloroisopropyl)ether	45	1.789	1.789	(1.151)	1537899	50.0000	54.9
	17 3- & 4-Methylphenol	108	1.944	1.944	(1.251)	1535377	50.0000	58.8
	16 N-Nitroso-di-n-propylamine++	70	1.885	1.885	(1.214)	1479117	50.0000	61.0
	18 Hexachloroethane	117	1.874	1.874	(1.207)	609539	50.0000	51.2
$	19 Nitrobenzene-d5	82	1.944	1.944	(0.820)	1952100	50.0000	53.7
	20 Nitrobenzene	77	1.954	1.954	(0.824)	2757281	50.0000	52.0
	21 Isophorone	82	2.120	2.120	(0.894)	3500761	50.0000	50.9
	22 2-Nitrophenol +	139	2.158	2.158	(0.910)	679743	50.0000	53.1
	23 2,4-Dimethyphenol	107	2.254	2.254	(0.950)	1747192	50.0000	55.5
	24 bis(-2-Chloroethoxy)methane	93	2.281	2.281	(0.962)	2098501	50.0000	55.0
	25 Benzoic Acid	122	2.420	2.420	(1.020)	763073	50.0000	70.9
	26 2,4-Dichlorophenol +	162	2.339	2.339	(0.986)	1034453	50.0000	55.9
	27 1,2,4-Trichlorobenzene	180	2.350	2.350	(0.991)	1168023	50.0000	50.3
*	28 Naphthalene-d8	136	2.372	2.372	(1.000)	2792950	40.0000	
	29 Naphthalene	128	2.382	2.382	(1.004)	3762809	50.0000	51.7
	30 4-Chloroaniline	127	2.452	2.452	(1.034)	1093335	50.0000	53.9
	31 Hexachlorobutadiene +	225	2.479	2.479	(1.045)	775567	50.0000	49.7
	32 4-Chloro-3-Methylphenol +	107	2.821	2.821	(1.189)	1317777	50.0000	56.8
	33 2-Methylnaphthalene	142	2.810	2.810	(1.185)	2602311	50.0000	56.8(M2)
	145 1-Methylnapthalene	142	2.864	2.864	(1.207)	2157433	50.0000	51.8
	34 Hexachlorocyclopentadiene ++	237	2.912	2.912	(0.850)	703085	50.0000	53.3
	35 2,4,6-Trichlorophenol +	196	3.013	3.013	(0.880)	715436	50.0000	57.1
	36 2,4,5-Trichlorphenol	196	3.062	3.062	(0.894)	712671	50.0000	55.3
$	37 2-Fluorobiphenyl	172	3.045	3.045	(0.889)	2519691	50.0000	57.4
	38 2-Chloronaphthalene	162	3.099	3.099	(0.905)	2116971	50.0000	53.9
	39 2-Nitroaniline	138	3.195	3.195	(0.933)	645798	50.0000	51.5
	40 Dimethylphthalate	163	3.318	3.318	(0.969)	2176064	50.0000	54.4
	41 2,6-Dinitrotoluene	165	3.345	3.345	(0.977)	480467	50.0000	38.4
	42 Acenaphthylene	152	3.340	3.340	(0.975)	2824322	50.0000	49.5
	43 3-Nitroaniline	138	3.447	3.447	(1.006)	457240	50.0000	52.5
*	44 Acenaphthene-d10	164	3.425	3.425	(1.000)	1407562	40.0000	
	45 Acenaphthene +	153	3.447	3.447	(1.006)	1974158	50.0000	52.0
	46 2,4-Dinitrophenol ++	184	3.516	3.516	(1.027)	303294	50.0000	51.4(M1)
	49 4-Nitrophenol ++	109	3.650	3.650	(1.066)	292431	50.0000	56.2
	47 Dibenzofuran	168	3.548	3.548	(1.036)	2769264	50.0000	54.6
	48 2,4-Dinitrotoluene	165	3.586	3.586	(1.047)	591928	50.0000	47.3
	50 Diethylphthalate	149	3.746	3.746	(1.094)	1981624	50.0000	53.4
	52 4-Chlorophenyl-phenylether	204	3.773	3.773	(1.101)	1123400	50.0000	55.9
	51 Fluorene	166	3.751	3.751	(1.095)	2114259	50.0000	51.0
	53 4-Nitroaniline	138	3.816	3.816	(1.114)	400133	50.0000	46.3
	54 4,6-Dinitro-o-cresol	198	3.832	3.832	(0.891)	366483	50.0000	52.4
	55 N-nitrosodiphenylamine (1)+	169	3.858	3.858	(0.897)	1361273	50.0000	56.5
	56 Azobenzene	77	3.869	3.869	(0.899)	3482535	50.0000	59.3
$	57 2,4,6-Tribromophenol	332	3.907	3.907	(1.141)	273386	50.0000	51.8
	58 4-Bromophenyl-phenylether	248	4.062	4.062	(0.944)	522080	50.0000	58.9
	59 Hexachlorobenzene	284	4.083	4.083	(0.949)	594322	50.0000	52.3

170783

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	4.228	4.228	(0.983)	338927	50.0000	50.4
*	61 Phenanthrene-d10	188	4.302	4.302	(1.000)	1936461	40.0000	
	62 Phenanthrene	178	4.318	4.318	(1.004)	2498506	50.0000	50.0
	63 Anthracene	178	4.351	4.351	(1.011)	2428061	50.0000	49.9
	64 Carbazole	167	4.474	4.474	(1.040)	1954224	50.0000	46.1
	65 Di-n-butylphthalate	149	4.725	4.725	(1.098)	2535262	50.0000	51.5
	67 Fluoranthene +	202	5.024	5.024	(1.168)	2049385	50.0000	41.7
	68 Benzidine	184	5.142	5.142	(0.871)	37742	50.0000	71.5(M1)
	69 Pyrene	202	5.153	5.153	(0.873)	2025627	50.0000	58.1
$	70 Terphenyl-d14	244	5.287	5.287	(0.896)	1259656	50.0000	55.8
	71 Butylbenzylphthalate	149	5.607	5.607	(0.950)	785295	50.0000	57.9
	73 3,3'-Dichlorobenzidine	252	5.918	5.918	(1.003)	471265	50.0000	54.8
	72 Benzo(a)anthracene	228	5.896	5.896	(0.999)	1472731	50.0000	52.3
*	74 Chrysene-d12	240	5.902	5.902	(1.000)	1007053	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.014	6.014	(1.019)	984536	50.0000	57.4
	75 Chrysene	228	5.918	5.918	(1.003)	1659594	50.0000	50.4
	77 Di-n-octylphthalate +	149	6.474	6.474	(1.097)	1526629	50.0000	53.5
	78 Benzo(b)fluoranthene	252	6.629	6.629	(0.963)	1281145	50.0000	61.2
	79 Benzo(k)fluoranthene	252	6.650	6.650	(0.966)	1633456	50.0000	53.7
	80 Benzo(a)pyrene +	252	6.843	6.843	(0.994)	1236925	50.0000	52.9
*	81 Perylene-d12	264	6.886	6.886	(1.000)	793536	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.586	7.586	(1.285)	1029890	50.0000	61.1(M2)
	83 Dibenzo(a,h)anthracene	278	7.608	7.608	(1.105)	1308701	50.0000	57.7
	84 Benzo(g,h,i)perylene	276	7.747	7.747	(1.125)	1455846	50.0000	54.4
M	66 Total Methylphenol	108				3015286	100.000	119
	91 Acetophenone	105	1.853	1.853	(1.193)	2056967	50.0000	58.6
	155 Benzaldehyde	77	1.232	1.232	(0.793)	710085	50.0000	69.9
	156 Caprolactam	113	2.714	2.714	(1.144)	380772	50.0000	60.9
	157 Biphenyl	154	3.099	3.099	(1.307)	2725379	50.0000	57.1
	158 Atrazine	200	4.206	4.206	(0.978)	169315	50.0000	46.3
	174 1,4-Dioxane	88	0.259	0.259	(0.167)	254802	50.0000	89.9(M2)

QC Flag Legend

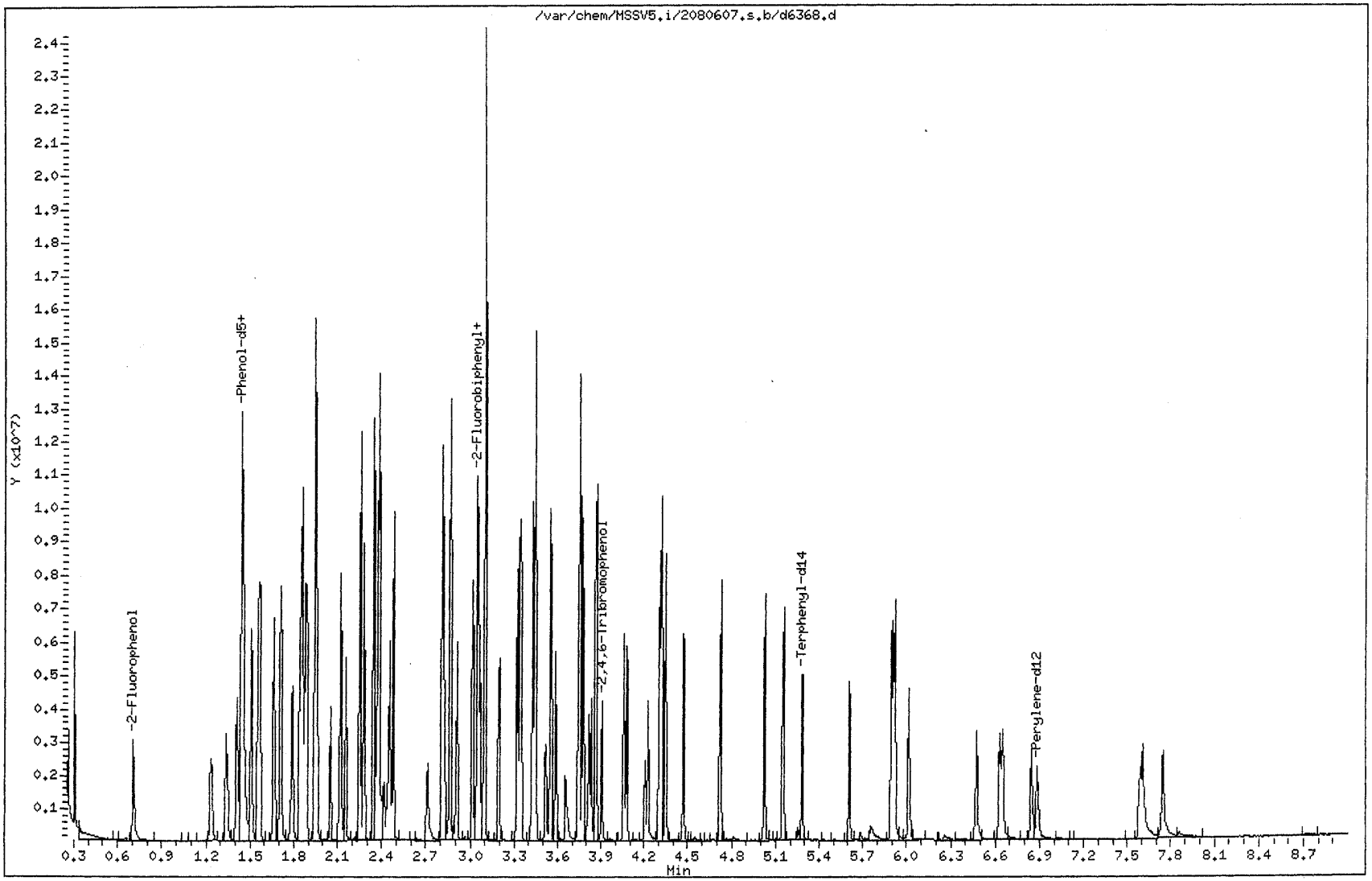
M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.

170784

Data File: /var/chem/MSSV5.i/2080607.s.b/d6368.d
Date : 07-JUN-2008 09:43
Client ID: STD050
Sample Info: 1400*35-22-2
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i

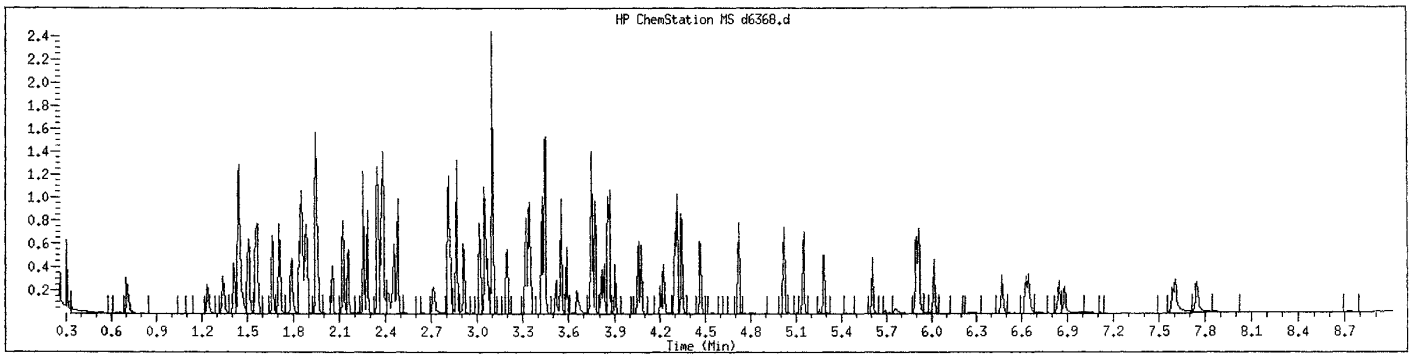
Operator: KCB
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2080607.s.b/d6368.d Page: 1
Report Date: 06/07/2008 10:48

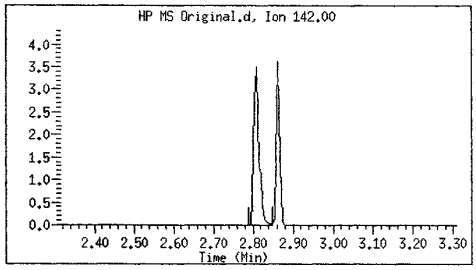
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1400 SampleType : CCALIB_5
Injection Date: 06/07/2008 09:43 Instrument : MSSV5.i
Operator : KCB
Sample Info : 1400*35-22-2
Misc Info : STD050*MSSV~5022~*
Method : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



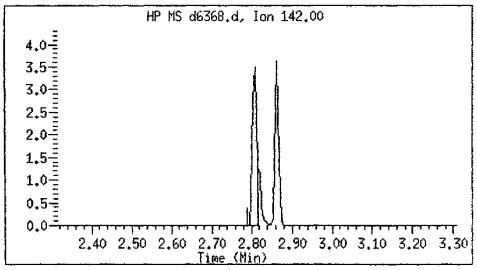
Original Final

33 2-Methylnaphthalene CAS#: 91-57-6 Reason: M2

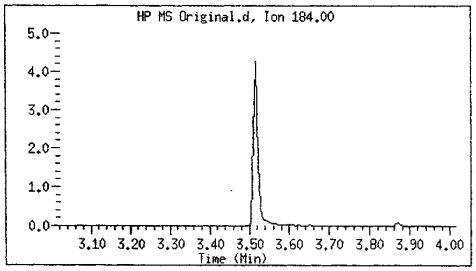


Electronic Signature Applied

User: root
Date: 06/07/2008 10:48



46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



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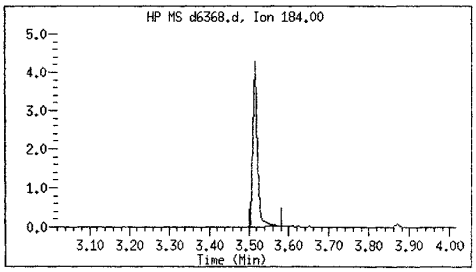
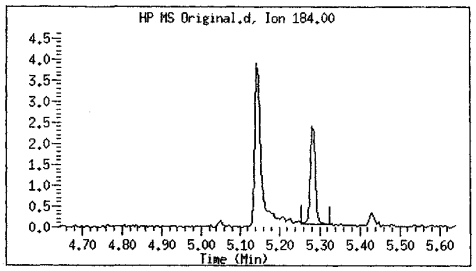
User: root
Date: 06/07/2008 10:45



170786

Original Final

68 Benzidine CAS#: 92-87-5 Reason: M1



Electronic Signature Applied

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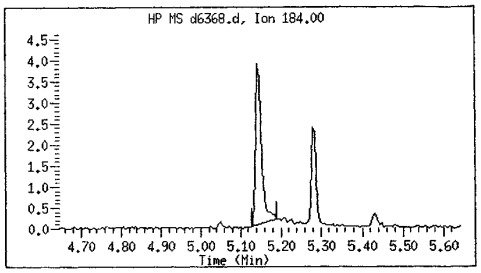
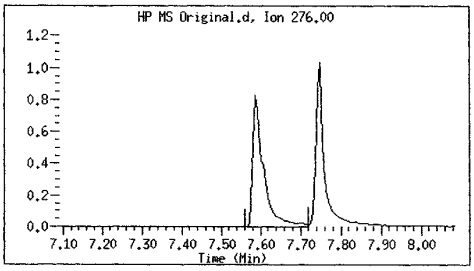
Date: 06/07/2008 10:46



82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



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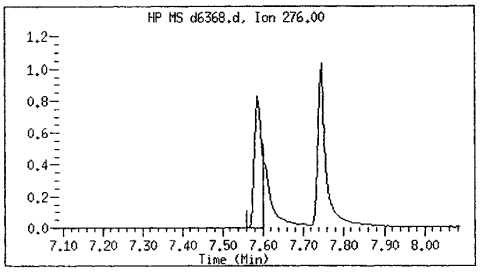
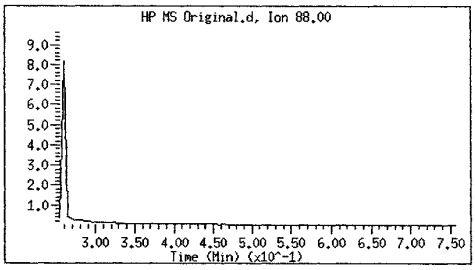
Date: 06/07/2008 10:46

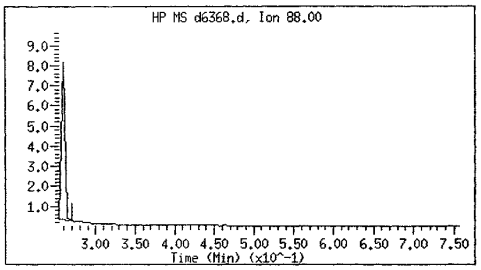


174 1,4-Dioxane CAS#: 123-91-1 Reason: M2



Electronic Signature Applied

User: root
Date: 06/07/2008 10:46



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

170787

Data File: /var/chem/MSSV5.i/2080609.s.b/d6416.d
Report Date: 09-Jun-2008 10:06

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i
Lab File ID: d6416.d
Analysis Type: WATER
Lab Sample ID: 1400
Method: /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m

Injection Date: 09-JUN-2008 08:36
Init. Cal. Date(s): 03-APR-2008 05-JUN-2008
Init. Cal. Times: 09:18 12:01
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
2 Pyridine	47.43056	50.00000	0.58349	0.050	-5.13889	30.00000	Quadratic	
1 n-Nitrosodimethylamine	118	50.00000	0.27935	0.050	135	30.00000	Quadratic	<-
$ 3 2-Fluorophenol	0.89390	0.96524	0.96524	0.050	7.98112	30.00000	Averaged	
$ 4 Phenol-d5	2.04830	2.28953	2.28953	0.050	11.77666	30.00000	Averaged	
5 Aniline	53.28640	50.00000	1.58270	0.050	6.57280	30.00000	Quadratic	
6 Phenol +	2.23320	2.35472	2.35472	0.050	5.44153	20.00000	Averaged	
7 bis(-2-Chloroethyl)Ether	1.16746	1.24609	1.24609	0.050	6.73559	30.00000	Averaged	
8 2-Chlorophenol	1.30150	1.39260	1.39260	0.050	7.00025	30.00000	Averaged	
9 1,3-Dichlorobenzene	1.53098	1.56286	1.56286	0.050	2.08234	30.00000	Averaged	
11 1,4-Dichlorobenzene +	1.53394	1.59145	1.59145	0.050	3.74922	20.00000	Averaged	
12 Benzyl alcohol	1.04601	1.09752	1.09752	0.050	4.92478	30.00000	Averaged	
13 1,2-Dichlorobenzene	1.45365	1.49608	1.49608	0.050	2.91886	30.00000	Averaged	
15 2-Methylphenol	1.39706	1.54942	1.54942	0.050	10.90582	30.00000	Averaged	
14 Bis(2-chloroisopropyl)ether	1.58141	1.61171	1.61171	0.050	1.91607	30.00000	Averaged	
17 3- & 4-Methylphenol	1.47239	1.58430	1.58430	0.050	7.60067	30.00000	Averaged	
16 N-Nitroso-di-n-propylamine+	1.36710	1.45889	1.45889	0.050	6.71408	30.00000	Averaged	
18 Hexachloroethane	0.67109	0.69115	0.69115	0.050	2.98789	30.00000	Averaged	
$ 19 Nitrobenzene-d5	0.52041	0.57808	0.57808	0.050	11.08181	30.00000	Averaged	
20 Nitrobenzene	0.75919	0.79988	0.79988	0.050	5.35973	30.00000	Averaged	
21 Isophorone	0.98571	0.96103	0.96103	0.050	-2.50330	30.00000	Averaged	
22 2-Nitrophenol +	0.18329	0.19770	0.19770	0.050	7.85874	20.00000	Averaged	
23 2,4-Dimethyphenol	0.45104	0.49784	0.49784	0.050	10.37580	30.00000	Averaged	
24 bis(-2-Chloroethoxy)methane	0.54622	0.58191	0.58191	0.050	6.53415	30.00000	Averaged	
25 Benzoic Acid	47.75159	50.00000	0.13646	0.050	-4.49681	30.00000	Quadratic	
26 2,4-Dichlorophenol +	0.26524	0.28056	0.28056	0.050	5.77465	20.00000	Averaged	
27 1,2,4-Trichlorobenzene	0.33225	0.33679	0.33679	0.050	1.36656	30.00000	Averaged	
29 Naphthalene	1.04250	1.09715	1.09715	0.050	5.24159	30.00000	Averaged	
30 4-Chloroaniline	53.38076	50.00000	0.31091	0.050	6.76152	30.00000	Quadratic	
31 Hexachlorobutadiene +	51.47451	50.00000	0.23043	0.050	2.94902	20.00000	Linear	
32 4-Chloro-3-Methylphenol +	0.33251	0.35755	0.35755	0.050	7.52964	20.00000	Averaged	
33 2-Methylnaphthalene	51.01512	50.00000	0.66543	0.050	2.03023	30.00000	Quadratic	
145 1-Methylnapthalene	0.59675	0.59698	0.59698	0.050	0.03885	30.00000	Averaged	
34 Hexachlorocyclopentadiene +	46.61737	50.00000	0.34296	0.050	-6.76526	30.00000	Linear	
35 2,4,6-Trichlorophenol +	0.35597	0.39106	0.39106	0.050	9.85576	20.00000	Averaged	
36 2,4,5-Trichlorphenol	0.36640	0.40664	0.40664	0.050	10.98186	30.00000	Averaged	
$ 37 2-Fluorobiphenyl	1.24771	1.39665	1.39665	0.050	11.93677	30.00000	Averaged	

170788

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i Injection Date: 09-JUN-2008 08:36
Lab File ID: d6416.d Init. Cal. Date(s): 03-APR-2008 05-JUN-2008
Analysis Type: WATER Init. Cal. Times: 09:18 12:01
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2-Chloronaphthalene	1.11575	1.20507	1.20507	0.050	8.00520	30.00000	Averaged	
39 2-Nitroaniline	0.35614	0.37809	0.37809	0.050	6.16102	30.00000	Averaged	
40 Dimethylphthalate	1.13656	1.30357	1.30357	0.050	14.69416	30.00000	Averaged	
41 2,6-Dinitrotoluene	0.35568	0.28089	0.28089	0.050	-21.02578	30.00000	Averaged	
42 Acenaphthylene	1.62160	1.58194	1.58194	0.050	-2.44551	30.00000	Averaged	
43 3-Nitroaniline	0.24767	0.27978	0.27978	0.050	12.96624	30.00000	Averaged	
45 Acenaphthene +	1.07902	1.12556	1.12556	0.050	4.31266	20.00000	Averaged	
46 2,4-Dinitrophenol ++	49.31283	50.00000	0.16436	0.050	-1.37434	30.00000	Linear	
49 4-Nitrophenol ++	0.14786	0.17971	0.17971	0.050	21.53655	30.00000	Averaged	
47 Dibenzofuran	1.44227	1.54889	1.54889	0.050	7.39295	30.00000	Averaged	
48 2,4-Dinitrotoluene	0.35568	0.36545	0.36545	0.050	2.74895	30.00000	Averaged	
50 Diethylphthalate	1.05457	1.20653	1.20653	0.050	14.40946	30.00000	Averaged	
52 4-Chlorophenyl-phenylether	0.57073	0.63313	0.63313	0.050	10.93418	30.00000	Averaged	
51 Fluorene	1.17870	1.23397	1.23397	0.050	4.68878	30.00000	Averaged	
53 4-Nitroaniline	0.24535	0.26119	0.26119	0.050	6.45367	30.00000	Averaged	
54 4,6-Dinitro-o-cresol	49.31831	50.00000	0.14178	0.050	-1.36337	30.00000	Linear	
55 N-nitrosodiphenylamine (1)+	0.49767	0.52889	0.52889	0.050	6.27303	20.00000	Averaged	
56 Azobenzene	1.21236	1.32896	1.32896	0.050	9.61781	30.00000	Averaged	
$ 57 2,4,6-Tribromophenol	0.14993	0.16507	0.16507	0.050	10.09920	30.00000	Averaged	
58 4-Bromophenyl-phenylether	0.18309	0.20441	0.20441	0.050	11.64475	30.00000	Averaged	
59 Hexachlorobenzene	0.23482	0.23211	0.23211	0.050	-1.15579	30.00000	Averaged	
60 Pentachlorophenol +	47.12027	50.00000	0.13005	0.050	-5.75947	20.00000	Linear	
62 Phenanthrene	1.03280	1.01867	1.01867	0.050	-1.36832	30.00000	Averaged	
63 Anthracene	1.00510	1.01314	1.01314	0.050	0.79999	30.00000	Averaged	
64 Carbazole	0.87641	0.88334	0.88334	0.050	0.79045	30.00000	Averaged	
65 Di-n-butylphthalate	1.01615	1.12036	1.12036	0.050	10.25565	30.00000	Averaged	
67 Fluoranthene +	1.01578	0.97215	0.97215	0.050	-4.29512	20.00000	Averaged	
68 Benzidine	0.02098	0.04808	0.04808	0.050	129	30.00000	Averaged	<-
69 Pyrene	1.38433	1.38365	1.38365	0.050	-0.04882	30.00000	Averaged	
$ 70 Terphenyl-d14	0.89696	0.86260	0.86260	0.050	-3.83012	30.00000	Averaged	
71 Butylbenzylphthalate	0.53843	0.60611	0.60611	0.050	12.56985	30.00000	Averaged	
73 3,3'-Dichlorobenzidine	0.34159	0.41402	0.41402	0.050	21.20338	30.00000	Averaged	
72 Benzo(a)anthracene	55.86538	50.00000	1.25492	0.050	11.73076	30.00000	Linear	
76 bis(2-Ethylhexyl)phthalate	0.68095	0.77524	0.77524	0.050	13.84646	30.00000	Averaged	
75 Chrysene	1.30706	1.19664	1.19664	0.050	-8.44786	30.00000	Averaged	
77 Di-n-octylphthalate +	53.14482	50.00000	1.20348	0.050	6.28964	20.00000	Linear	

170789

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i Injection Date: 09-JUN-2008 08:36
Lab File ID: d6416.d Init. Cal. Date(s): 03-APR-2008 05-JUN-2008
Analysis Type: WATER Init. Cal. Times: 09:18 12:01
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
78 Benzo(b)fluoranthene	54.41491	50.00000	1.13386	0.050	8.82982	30.00000	Quadratic	
79 Benzo(k)fluoranthene	1.53191	1.81652	1.81652	0.050	18.57896	30.00000	Averaged	
80 Benzo(a)pyrene +	53.00326	50.00000	1.24938	0.050	6.00652	20.00000	Linear	
82 Indeno(1,2,3-cd)pyrene	65.88901	50.00000	0.89730	0.050	31.77802	30.00000	Quadratic	<-
83 Dibenzo(a,h)anthracene	59.70917	50.00000	1.37010	0.050	19.41834	30.00000	Quadratic	
84 Benzo(g,h,i)perylene	56.64295	50.00000	1.53561	0.050	13.28590	30.00000	Quadratic	
M 66 Total Methylphenol	1.41875	1.56686	1.56686	0.050	10.43933	30.00000	Averaged	
91 Acetophenone	1.98125	2.09388	2.09388	0.050	5.68496	30.00000	Averaged	
155 Benzaldehyde	0.57295	0.81790	0.81790	0.050	42.75132	30.00000	Averaged	<-
156 Caprolactam	0.08962	0.11315	0.11315	0.050	26.25498	30.00000	Averaged	
157 Biphenyl	0.68312	0.76896	0.76896	0.050	12.56596	30.00000	Averaged	
158 Atrazine	45.04079	50.00000	0.06829	0.050	-9.91842	30.00000	Quadratic	
174 1,4-Dioxane	0.15980	0.33500	0.33500	0.050	110	30.00000	Averaged	<- NT

Average %D / Drift Results.

Calculated Average %D/Drift = 12.63835
Maximun Average %D/Drift = 30.00000
* Passed Average %D/Drift Test.

170790

GCAL, Inc.

Data file : /var/chem/MSSV5.i/2080609.s.b/d6415.d
Lab Smp Id: 1100 Client Smp ID: DFTPP
Inj Date : 09-JUN-2008 08:21
Operator : KCB Inst ID: MSSV5.i
Smp Info : 1100*35-6-6*
Misc Info : DFTPP*MSSV~5025~*
Comment :
Method : /var/chem/MSSV5.i/2080609.s.b/dftpp_05.m
Meth Date : 14-May-2008 08:59 root 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

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.554	4.430	0.124	198	281709			100.00- 100.00	100.00
4.554	4.430	0.124	51	105083			30.00- 60.00	37.30
4.554	4.430	0.124	68	2268			0.00- 2.00	1.44
4.554	4.430	0.124	69	157910			0.00- 0.00	56.05
4.554	4.430	0.124	70	937			0.00- 2.00	0.59
4.554	4.430	0.124	127	144202			40.00- 60.00	51.19
4.554	4.430	0.124	197	2277			0.00- 1.00	0.81
4.554	4.430	0.124	199	17954			5.00- 9.00	6.37
4.554	4.430	0.124	275	70717			10.00- 30.00	25.10
4.554	4.430	0.124	365	8823			1.00- 0.00	3.13
4.554	4.430	0.124	441	25092			0.01- 99.99	70.18
4.554	4.430	0.124	442	180029			40.00- 100.00	63.91

170791

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp (continued)								
4.554	4.430	0.124	443	35753			17.00- 23.00	19.86

170792

Data File: /var/chem/MSSV5.i/2080609.s.b/d6415.d

Date : 09-JUN-2008 08:21

Client ID: DFTPP

Instrument: MSSV5.i

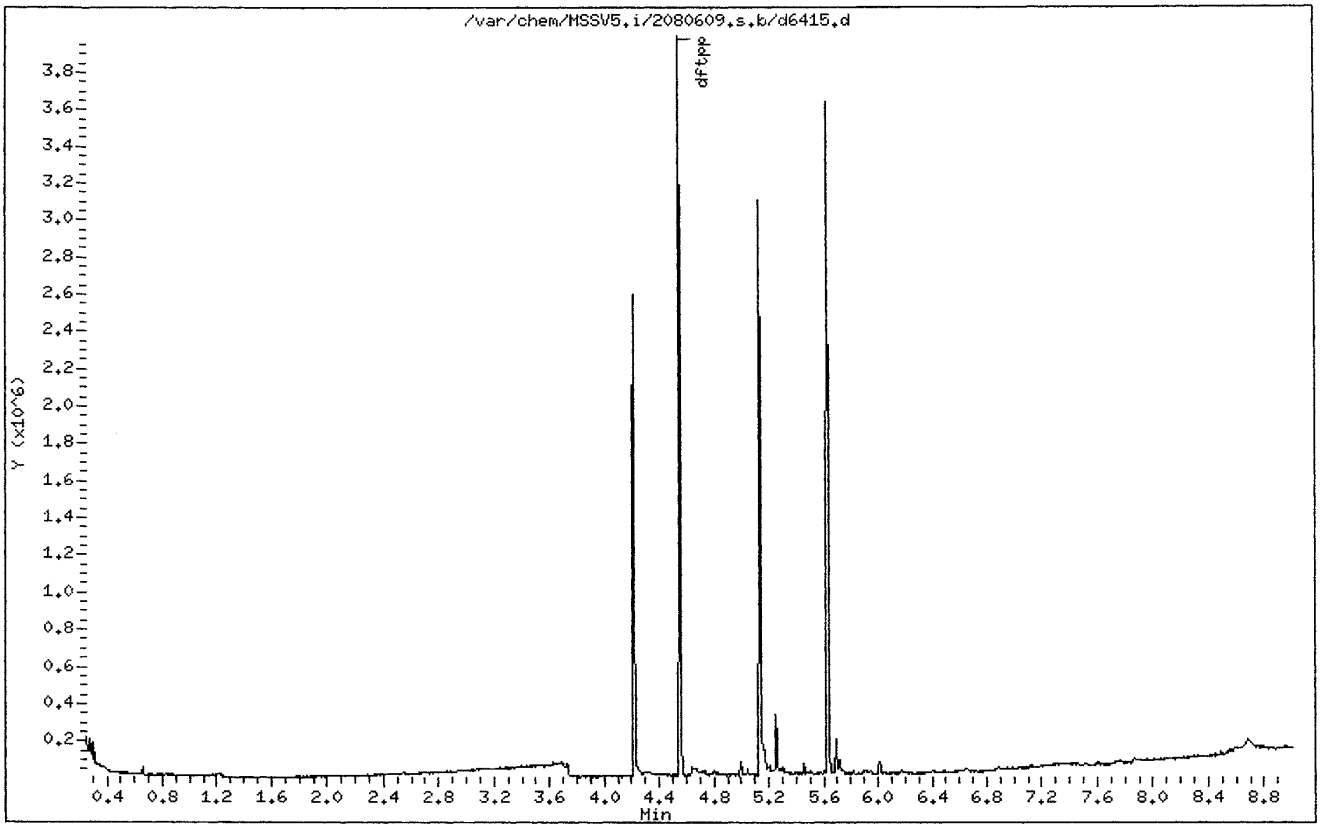
Sample Info: 1100*35-6-6*

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 2.00



170793

Data File: /var/chem/MSSV5.i/2080609.s.b/d6415.d

Date : 09-JUN-2008 08:21

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*35-6-6*

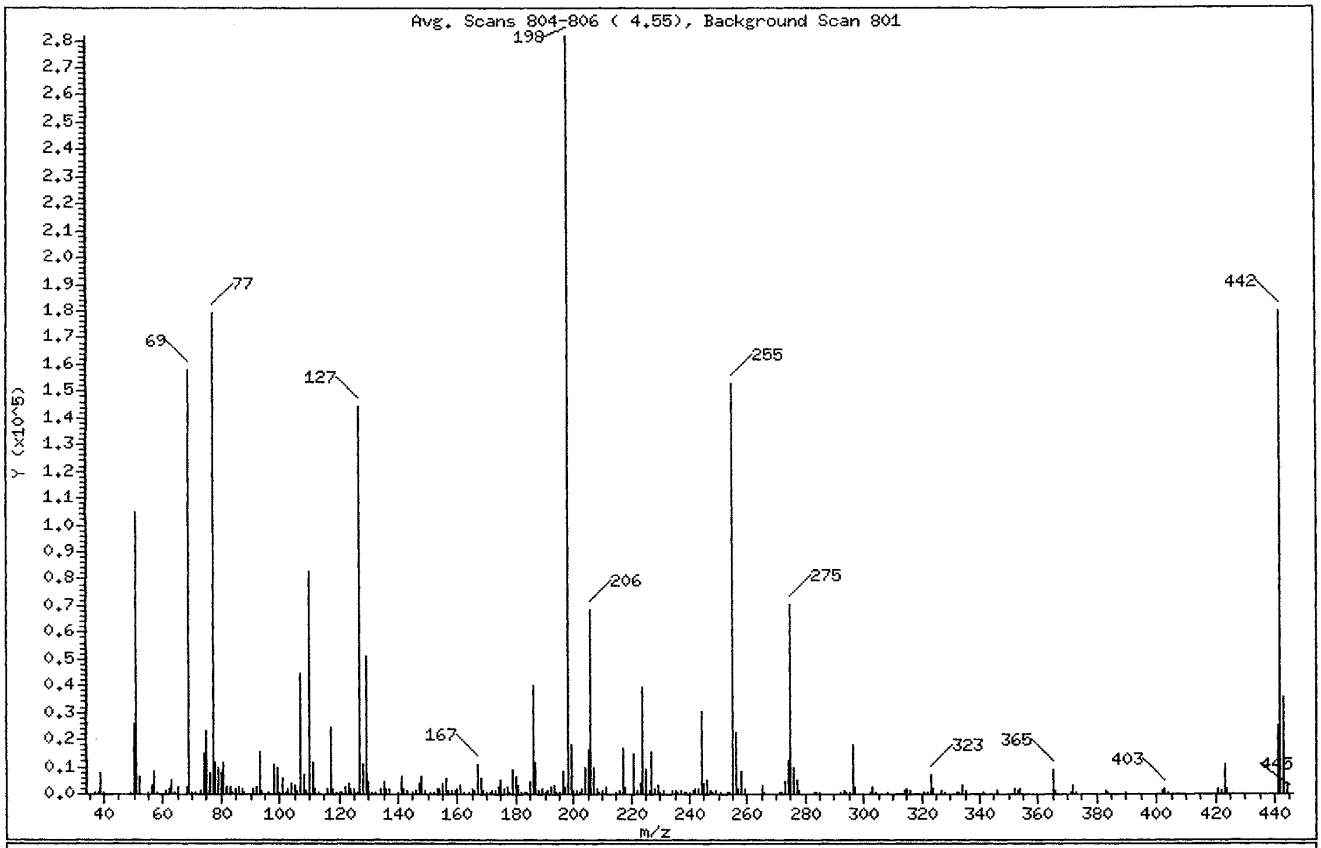
Volume Injected (uL): 1.0

Operator: KCB

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	37.30
68	Less than 2.00% of mass 69	0.81 (1.44)
69	Mass 69 relative abundance	56.05
70	Less than 2.00% of mass 69	0.33 (0.59)
127	40.00 - 60.00% of mass 198	51.19
197	Less than 1.00% of mass 198	0.81
199	5.00 - 9.00% of mass 198	6.37
275	10.00 - 30.00% of mass 198	25.10
365	Greater than 1.00% of mass 198	3.13
441	Present, but less than mass 443	8.91
442	40.00 - 100.00% of mass 198	63.91
443	17.00 - 23.00% of mass 442	12.69 (19.86)

170794

Data File: /var/chem/MSSV5.i/2080609.s.b/d6415.d

Date : 09-JUN-2008 08:21

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*35-6-6*

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 2.00

Data File: d6415.d

Spectrum: Avg. Scans 804-806 (4.55), Background Scan 801

Location of Maximum: 198.00

Number of points: 327

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	94	125.00	1862	207.00	9534	295.00	366
37.00	433	126.00	548	208.00	2174	296.00	18032
38.00	881	127.00	144192	209.00	757	297.00	2872
39.00	7565	128.00	10764	210.00	1218	298.00	223
40.00	824	129.00	51376	211.00	2564	299.00	54
41.00	17	130.00	4268	212.00	187	301.00	290
42.00	130	131.00	882	213.00	106	302.00	371
45.00	220	132.00	533	214.00	73	303.00	2374
49.00	543	133.00	212	215.00	729	304.00	627
50.00	26016	134.00	1762	216.00	1149	305.00	67
51.00	105080	135.00	4249	217.00	16928	308.00	393
52.00	6344	136.00	1881	218.00	2650	309.00	204
53.00	41	137.00	2026	219.00	222	310.00	182
54.00	56	138.00	318	220.00	75	311.00	122
55.00	518	139.00	164	221.00	14854	313.00	262
56.00	3036	140.00	744	222.00	1352	314.00	1089
57.00	8128	141.00	6356	223.00	3743	315.00	2036
58.00	412	142.00	1900	224.00	39368	316.00	1431
59.00	224	143.00	1393	225.00	9278	317.00	315
60.00	99	144.00	261	226.00	1132	320.00	204
61.00	1215	145.00	439	227.00	15632	321.00	699
62.00	1766	146.00	1441	228.00	2100	322.00	371
63.00	5382	147.00	3852	229.00	3232	323.00	7314
64.00	867	148.00	6765	230.00	377	324.00	1669
65.00	2807	149.00	1369	231.00	1256	325.00	157
67.00	49	150.00	199	232.00	304	326.00	54
68.00	2268	151.00	880	233.00	233	327.00	1138
69.00	157888	152.00	565	234.00	1030	328.00	882
70.00	937	153.00	1968	235.00	1037	329.00	56
71.00	365	154.00	1712	236.00	681	332.00	343
72.00	64	155.00	4090	237.00	997	333.00	597
73.00	1068	156.00	5735	238.00	341	334.00	3460
74.00	14582	157.00	1021	239.00	605	335.00	978
75.00	23448	158.00	1204	240.00	580	336.00	185
76.00	7976	159.00	1113	241.00	1021	339.00	105

170795

Data File: /var/chem/MSSV5.i/2080609.s.b/d6415.d

Date : 09-JUN-2008 08:21

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*35-6-6*

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 2.00

Data File: d6415.d

Spectrum: Avg. Scans 804-806 (4.55), Background Scan 801

Location of Maximum: 198.00

Number of points: 327

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	179648	160.00	1996	242.00	2145	340.00	68
78.00	11581	161.00	3029	243.00	1925	341.00	847
79.00	9528	162.00	847	244.00	30288	342.00	249
80.00	7871	163.00	151	245.00	3860	346.00	1200
81.00	11887	164.00	333	246.00	5228	347.00	307
82.00	2906	165.00	2101	247.00	1124	350.00	52
83.00	2711	166.00	1513	248.00	348	351.00	72
84.00	358	167.00	11105	249.00	1067	352.00	2028
85.00	1623	168.00	5691	250.00	206	353.00	1467
86.00	2773	169.00	1020	251.00	392	354.00	1937
87.00	1652	170.00	625	252.00	239	355.00	288
88.00	572	171.00	618	253.00	637	359.00	322
89.00	314	172.00	1058	254.00	884	360.00	59
91.00	2247	173.00	1546	255.00	152768	365.00	8823
92.00	2559	174.00	2764	256.00	22928	366.00	1499
93.00	15619	175.00	4973	257.00	1856	367.00	54
94.00	1137	176.00	1861	258.00	8304	370.00	180
95.00	55	177.00	2314	259.00	1693	371.00	453
96.00	687	178.00	623	260.00	250	372.00	3373
97.00	311	179.00	8838	261.00	216	373.00	755
98.00	11061	180.00	6653	262.00	54	374.00	68
99.00	9827	181.00	3297	263.00	51	378.00	52
100.00	916	182.00	327	264.00	149	383.00	1047
101.00	6027	183.00	477	265.00	3294	384.00	364
102.00	434	184.00	692	266.00	454	385.00	55
103.00	1723	185.00	4749	270.00	200	390.00	538
104.00	3827	186.00	39968	271.00	404	391.00	252
105.00	3304	187.00	11562	272.00	406	392.00	323
106.00	1056	188.00	1264	273.00	4536	401.00	253
107.00	44736	189.00	1970	274.00	12137	402.00	1356
108.00	6856	190.00	484	275.00	70712	403.00	2194
109.00	1068	191.00	1059	276.00	9390	404.00	746
110.00	82944	192.00	2530	277.00	5341	405.00	90
111.00	11783	193.00	3095	278.00	975	410.00	61
112.00	1862	194.00	850	279.00	89	414.00	74

170796

Data File: /var/chem/MSSV5.i/2080609.s.b/d6415.d

Date : 09-JUN-2008 08:21

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*35-6-6*

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

Column diameter: 2.00

Data File: d6415.d

Spectrum: Avg. Scans 804-806 (4.55), Background Scan 801

Location of Maximum: 198.00

Number of points: 327

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	580	195.00	440	281.00	68	416.00	50
114.00	277	196.00	8228	282.00	112	421.00	1686
115.00	166	197.00	2277	283.00	720	422.00	1581
116.00	1780	198.00	281664	284.00	352	423.00	11177
117.00	24728	199.00	17952	285.00	892	424.00	2143
118.00	1709	200.00	1164	286.00	185	425.00	245
119.00	367	201.00	1376	289.00	279	441.00	25088
120.00	635	202.00	460	290.00	170	442.00	179968
121.00	485	203.00	1718	291.00	134	443.00	35752
122.00	2377	204.00	9652	292.00	434	444.00	3055
123.00	3709	205.00	15978	293.00	1546	445.00	239
124.00	1855	206.00	68480	294.00	394		

170797

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080609.s.b/d6416.d
Lab Smp Id: 1400 Client Smp ID: STD050
Inj Date : 09-JUN-2008 08:36
Operator : KCB Inst ID: MSSV5.i
Smp Info : 1400*35-22-2
Misc Info : STD050*MSSV~5025~*
Comment :
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Meth Date : 09-Jun-2008 10:06 root Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.d
Als bottle: 2 Continuing Calibration Sample
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	0.301	0.301	(0.196)	384264	50.0000	47.4
	1 n-Nitrosodimethylamine	42	0.296	0.296	(0.193)	183967	50.0000	118
$	3 2-Fluorophenol	112	0.697	0.697	(0.454)	635671	50.0000	54.0
$	4 Phenol-d5	99	1.425	1.425	(0.927)	1507793	50.0000	55.9
	5 Aniline	93	1.323	1.323	(0.861)	1042304	50.0000	53.3
	6 Phenol +	94	1.430	1.430	(0.930)	1550725	50.0000	52.7
	7 bis(-2-Chloroethyl)Ether	63	1.398	1.398	(0.910)	820628	50.0000	53.4
	8 2-Chlorophenol	128	1.425	1.425	(0.927)	917115	50.0000	53.5
	9 1,3-Dichlorobenzene	146	1.494	1.494	(0.972)	1029236	50.0000	51.0
*	10 1,4-Dichlorobenzene-d4	152	1.537	1.537	(1.000)	526849	40.0000	
	11 1,4-Dichlorobenzene +	146	1.548	1.548	(1.007)	1048066	50.0000	51.9
	12 Benzyl alcohol	108	1.692	1.692	(1.101)	722784	50.0000	52.5
	13 1,2-Dichlorobenzene	146	1.649	1.649	(1.073)	985261	50.0000	51.5

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		QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ppm)
	15 2-Methylphenol	108	1.826	1.826	(1.188)	1020388	50.0000	55.5
	14 Bis(2-chloroisopropyl)ether	45	1.772	1.772	(1.153)	1061409	50.0000	51.0
	17 3- & 4-Methylphenol	108	1.927	1.927	(1.254)	1043361	50.0000	53.8
	16 N-Nitroso-di-n-propylamine++	70	1.869	1.869	(1.216)	960766	50.0000	53.4
	18 Hexachloroethane	117	1.863	1.863	(1.212)	455162	50.0000	51.5
$	19 Nitrobenzene-d5	82	1.927	1.927	(0.818)	1353112	50.0000	55.5
	20 Nitrobenzene	77	1.938	1.938	(0.823)	1872286	50.0000	52.7
	21 Isophorone	82	2.104	2.104	(0.893)	2249502	50.0000	48.7
	22 2-Nitrophenol +	139	2.141	2.141	(0.909)	462752	50.0000	53.9
	23 2,4-Dimethyphenol	107	2.238	2.238	(0.950)	1165298	50.0000	55.2
	24 bis(-2-Chloroethoxy)methane	93	2.264	2.264	(0.961)	1362074	50.0000	53.3
	25 Benzoic Acid	122	2.387	2.387	(1.014)	319415	50.0000	47.8
	26 2,4-Dichlorophenol +	162	2.329	2.329	(0.989)	656712	50.0000	52.9
	27 1,2,4-Trichlorobenzene	180	2.334	2.334	(0.991)	788322	50.0000	50.7
*	28 Naphthalene-d8	136	2.355	2.355	(1.000)	1872569	40.0000	
	29 Naphthalene	128	2.371	2.371	(1.007)	2568104	50.0000	52.6
	30 4-Chloroaniline	127	2.441	2.441	(1.036)	727750	50.0000	53.4
	31 Hexachlorobutadiene +	225	2.462	2.462	(1.045)	539371	50.0000	51.5
	32 4-Chloro-3-Methylphenol +	107	2.805	2.805	(1.191)	836921	50.0000	53.8
	33 2-Methylnaphthalene	142	2.794	2.794	(1.186)	1557578	50.0000	51.0(M2)
	145 1-Methylnapthalene	142	2.847	2.847	(1.209)	1397367	50.0000	50.0
	34 Hexachlorocyclopentadiene ++	237	2.896	2.896	(0.848)	400374	50.0000	46.6
	35 2,4,6-Trichlorophenol +	196	3.003	3.003	(0.879)	456516	50.0000	54.9
	36 2,4,5-Trichlorphenol	196	3.051	3.051	(0.893)	474705	50.0000	55.5
$	37 2-Fluorobiphenyl	172	3.035	3.035	(0.889)	1630441	50.0000	56.0
	38 2-Chloronaphthalene	162	3.083	3.083	(0.903)	1406794	50.0000	54.0
	39 2-Nitroaniline	138	3.179	3.179	(0.931)	441376	50.0000	53.1
	40 Dimethylphthalate	163	3.307	3.307	(0.969)	1521778	50.0000	57.3
	41 2,6-Dinitrotoluene	165	3.334	3.334	(0.977)	327912	50.0000	39.5
	42 Acenaphthylene	152	3.323	3.323	(0.973)	1846748	50.0000	48.8
	43 3-Nitroaniline	138	3.430	3.430	(1.005)	326617	50.0000	56.5
*	44 Acenaphthene-d10	164	3.414	3.414	(1.000)	933916	40.0000	
	45 Acenaphthene +	153	3.430	3.430	(1.005)	1313972	50.0000	52.2
	46 2,4-Dinitrophenol ++	184	3.505	3.505	(1.027)	191877	50.0000	49.3(M1)
	49 4-Nitrophenol ++	109	3.644	3.644	(1.067)	209791	50.0000	60.8
	47 Dibenzofuran	168	3.537	3.537	(1.036)	1808170	50.0000	53.7
	48 2,4-Dinitrotoluene	165	3.575	3.575	(1.047)	426628	50.0000	51.4
	50 Diethylphthalate	149	3.735	3.735	(1.094)	1408492	50.0000	57.2
	52 4-Chlorophenyl-phenylether	204	3.762	3.762	(1.102)	739116	50.0000	55.5
	51 Fluorene	166	3.741	3.741	(1.096)	1440526	50.0000	52.3
	53 4-Nitroaniline	138	3.805	3.805	(1.114)	304908	50.0000	53.2
	54 4,6-Dinitro-o-cresol	198	3.821	3.821	(0.890)	254293	50.0000	49.3
	55 N-nitrosodiphenylamine (1)+	169	3.848	3.848	(0.897)	948625	50.0000	53.1
	56 Azobenzene	77	3.858	3.858	(0.899)	2383668	50.0000	54.8
$	57 2,4,6-Tribromophenol	332	3.896	3.896	(1.141)	192704	50.0000	55.0
	58 4-Bromophenyl-phenylether	248	4.051	4.051	(0.944)	366635	50.0000	55.8
	59 Hexachlorobenzene	284	4.072	4.072	(0.949)	416319	50.0000	49.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	4.217	4.217	(0.983)	233258	50.0000	47.1
*	61 Phenanthrene-d10	188	4.292	4.292	(1.000)	1434904	40.0000	
	62 Phenanthrene	178	4.308	4.308	(1.004)	1827121	50.0000	49.3
	63 Anthracene	178	4.340	4.340	(1.011)	1817193	50.0000	50.4
	64 Carbazole	167	4.463	4.463	(1.040)	1584377	50.0000	50.4
	65 Di-n-butylphthalate	149	4.719	4.719	(1.100)	2009512	50.0000	55.1
	67 Fluoranthene +	202	5.014	5.014	(1.168)	1743674	50.0000	47.9
	68 Benzidine	184	5.137	5.137	(0.870)	61626	50.0000	115
	69 Pyrene	202	5.142	5.142	(0.871)	1773484	50.0000	50.0
$	70 Terphenyl-d14	244	5.276	5.276	(0.894)	1105637	50.0000	48.1
	71 Butylbenzylphthalate	149	5.607	5.607	(0.950)	776882	50.0000	56.3
	73 3,3'-Dichlorobenzidine	252	5.912	5.912	(1.002)	530662	50.0000	60.6
	72 Benzo(a)anthracene	228	5.891	5.891	(0.998)	1608485	50.0000	55.9
*	74 Chrysene-d12	240	5.902	5.902	(1.000)	1025394	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.014	6.014	(1.019)	993655	50.0000	56.9
	75 Chrysene	228	5.918	5.918	(1.003)	1533787	50.0000	45.8
	77 Di-n-octylphthalate +	149	6.474	6.474	(1.097)	1542549	50.0000	53.1
	78 Benzo(b)fluoranthene	252	6.629	6.629	(0.963)	1261380	50.0000	54.4
	79 Benzo(k)fluoranthene	252	6.645	6.645	(0.966)	2020817	50.0000	59.3
	80 Benzo(a)pyrene +	252	6.843	6.843	(0.995)	1389889	50.0000	53.0
*	81 Perylene-d12	264	6.880	6.880	(1.000)	889973	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.586	7.586	(1.285)	1150106	50.0000	65.9(M2)
	83 Dibenzo(a,h)anthracene	278	7.608	7.608	(1.106)	1524191	50.0000	59.7
	84 Benzo(g,h,i)perylene	276	7.747	7.747	(1.126)	1708312	50.0000	56.6
M	66 Total Methylphenol	108				2063749	100.000	109
	91 Acetophenone	105	1.842	1.842	(1.198)	1378947	50.0000	52.8
	155 Benzaldehyde	77	1.221	1.221	(0.795)	538637	50.0000	71.4
	156 Caprolactam	113	2.687	2.687	(1.141)	264845	50.0000	63.1
	157 Biphenyl	154	3.088	3.088	(1.311)	1799914	50.0000	56.3
	158 Atrazine	200	4.195	4.195	(0.978)	122488	50.0000	45.0
	174 1,4-Dioxane	88	0.259	0.259	(0.168)	220619	50.0000	105(M1)

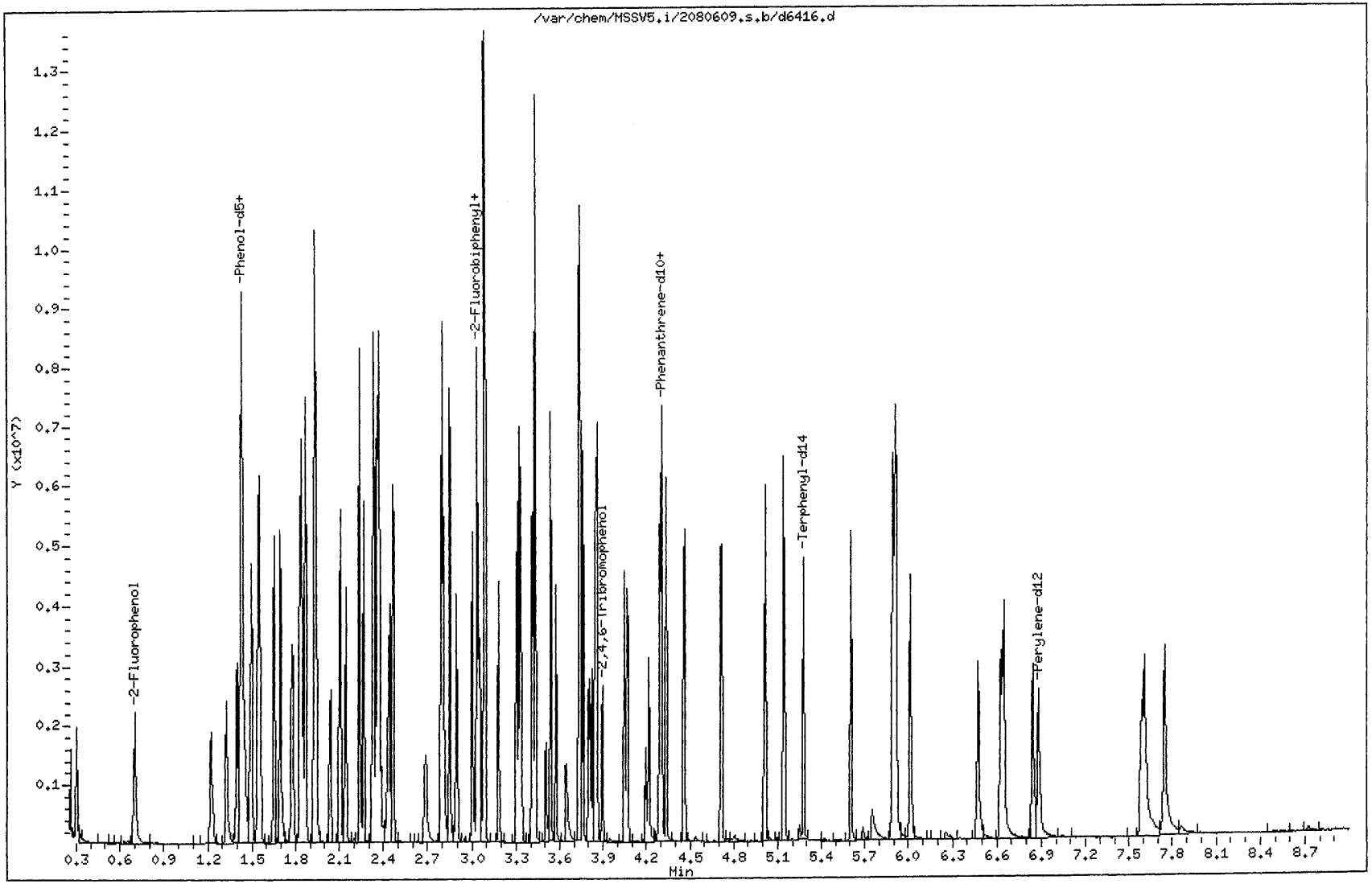
QC Flag Legend

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/MSSV5.i/2080609.s.b/d6416.d
Date : 09-JUN-2008 08:36
Client ID: STD050
Sample Info: 1400x35-22-2
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

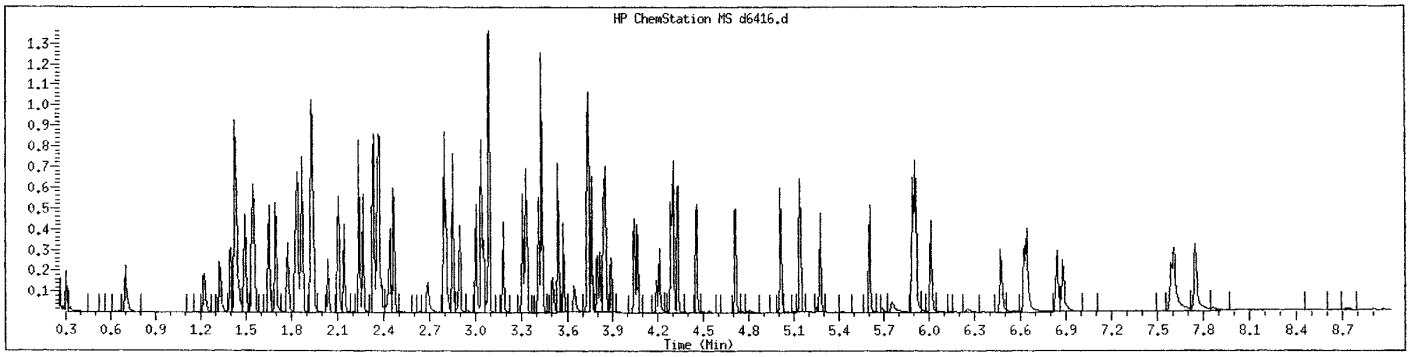
Instrument: MSSV5.i

Operator: KCB
Column diameter: 0.25



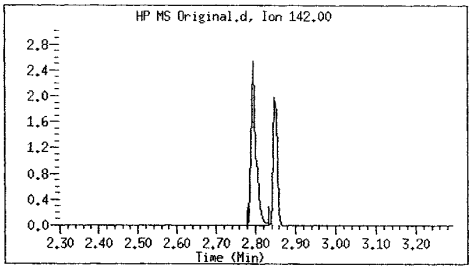
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1400 SampleType : CCALIB_5
Injection Date: 06/09/2008 08:36 Instrument : MSSV5.i
Operator : KCB
Sample Info : 1400*35-22-2
Misc Info : STD050*MSSV~5025~*
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



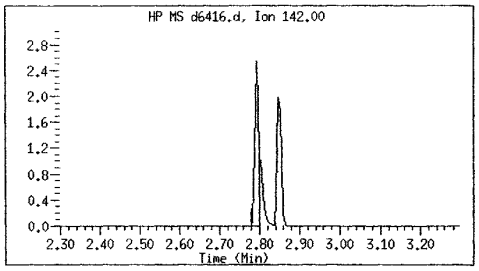
Original Final

33 2-Methylnaphthalene CAS#: 91-57-6 Reason: M2

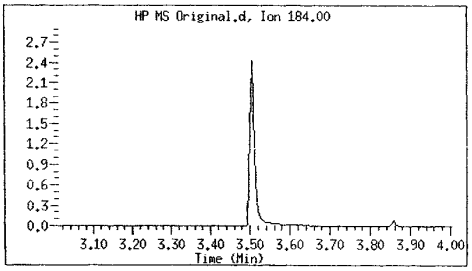


Electronic Signature Applied

User: root
Date: 06/09/2008 09:39

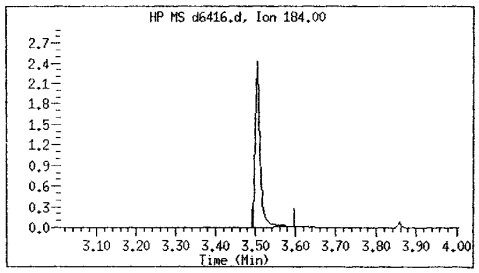


46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



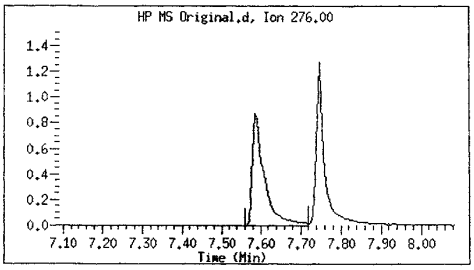
Electronic Signature Applied

User: root
Date: 06/09/2008 09:39



Original Final

82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



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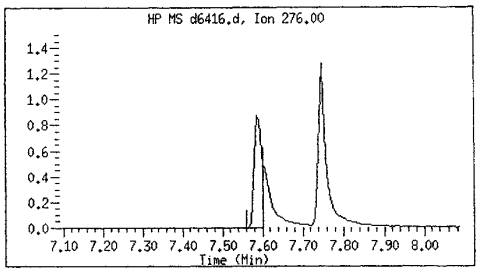
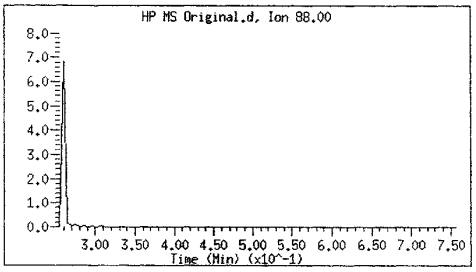
Date: 06/09/2008 09:40



174 1,4-Dioxane CAS#: 123-91-1 Reason: M1



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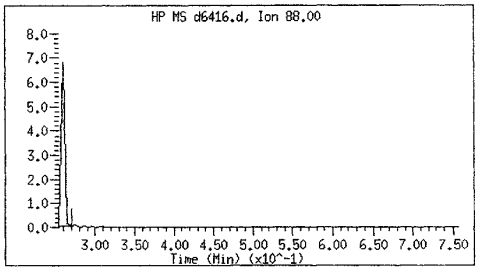
Date: 06/09/2008 09:40



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.: 208060522
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: MB611349
Contract:
Lab File ID: 2080607/d6382
Lab Sample ID: 611349
Date Collected: Time:
Date Received:
Date Extracted: 06/06/08
Date Analyzed: 06/07/08 Time: 1329
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375004 Analytical Batch: 375151

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	1.65	U	0.252	1.65
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.: 208060522
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: MB611349
Contract:
Lab File ID: 2080607/d6382
Lab Sample ID: 611349
Date Collected: Time:
Date Received:
Date Extracted: 06/06/08
Date Analyzed: 06/07/08 Time: 1329
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375004 Analytical Batch: 375151

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	0.066	U	0.00546	0.066
118-74-1	Hexachlorobenzene	0.330	U	0.011	0.330
77-47-4	Hexachlorocyclopentadiene	0.330	U	0.019	0.330
67-72-1	Hexachloroethane	0.330	U	0.029	0.330
78-59-1	Isophorone	0.330	U	0.00749	0.330
193-39-5	Indeno(1,2,3-cd)pyrene	0.330	U	0.010	0.330
91-57-6	2-Methylnaphthalene	0.066	U	0.00803	0.066
95-48-7	o-Cresol	0.330	U	0.017	0.330
98-95-3	Nitrobenzene	0.330	U	0.040	0.330
88-75-5	2-Nitrophenol	0.330	U	0.00959	0.330
62-75-9	N-Nitrosodimethylamine	0.330	U	0.097	0.330
86-30-6	N-Nitrosodiphenylamine	0.330	U	0.00564	0.330
85-01-8	Phenanthrene	0.066	U	0.00578	0.066
95-95-4	2,4,5-Trichlorophenol	0.330	U	0.00654	0.330
88-06-2	2,4,6-Trichlorophenol	0.330	U	0.00755	0.330
100-51-6	Benzyl alcohol	0.330	U	0.010	0.330
62-53-3	Aniline	0.330	U	0.018	0.330
110-86-1	Pyridine	0.330	U	0.016	0.330
105-60-2	Caprolactam	0.330	U	0.00978	0.330
98-86-2	Acetophenone	0.330	U	0.00818	0.330
99-09-2	3-Nitroaniline	1.65	U	0.031	1.65
100-01-6	4-Nitroaniline	1.65	U	0.00804	1.65
84-74-2	Di-n-butylphthalate	0.330	U	0.00664	0.330
122-66-7	1,2 Diphenylhydrazine	0.330	U	0.00966	0.330
88-74-4	2-Nitroaniline	1.65	U	0.00584	1.65
91-58-7	2-Chloronaphthalene	0.330	U	0.00901	0.330
106-47-8	4-Chloroaniline	0.330	U	0.00400	0.330
1912-24-9	Atrazine (Aatrex)	0.660	U	0.016	0.660
100-52-7	Benzaldehyde	0.660	U	0.026	0.660

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: MB611349
Contract:
Lab File ID: 2080607/d6382
Lab Sample ID: 611349
Date Collected: Time:
Date Received:
Date Extracted: 06/06/08
Date Analyzed: 06/07/08 Time: 1329
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375004 Analytical Batch: 375151

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/MSSV5.i/2080607.s.b/d6382.d
Lab Smp Id: 611349 Client Smp ID: 0606SBLK
Inj Date : 07-JUN-2008 13:29
Operator : KCB Inst ID: MSSV5.i
Smp Info : 611349*BLK
Misc Info : 0606SBLK*MSSV~5022~*SBLK*30.0-1*375004*
Comment :
Method : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Meth Date : 07-Jun-2008 10:48 root Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.d
Als bottle: 17 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	Weigth 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	0.713	0.703	(0.459)	2216817	106.902	3560
$	4 Phenol-d5	99	1.430	1.436	(0.921)	5052232	106.325	3540
*	10 1,4-Dichlorobenzene-d4	152	1.553	1.553	(1.000)	927927	40.0000	
$	19 Nitrobenzene-d5	82	1.938	1.944	(0.819)	2258372	45.8954	1530
*	28 Naphthalene-d8	136	2.366	2.372	(1.000)	3782190	40.0000	
$	37 2-Fluorobiphenyl	172	3.045	3.045	(0.891)	3218836	47.5614	1590
*	44 Acenaphthene-d10	164	3.420	3.425	(1.000)	2169651	40.0000	
$	57 2,4,6-Tribromophenol	332	3.901	3.907	(1.141)	741271	91.1504	3040
*	61 Phenanthrene-d10	188	4.302	4.302	(1.000)	3078483	40.0000	
$	70 Terphenyl-d14	244	5.281	5.287	(0.896)	1846171	65.1420	2170
*	74 Chrysene-d12	240	5.896	5.902	(1.000)	1263858	40.0000	

170807

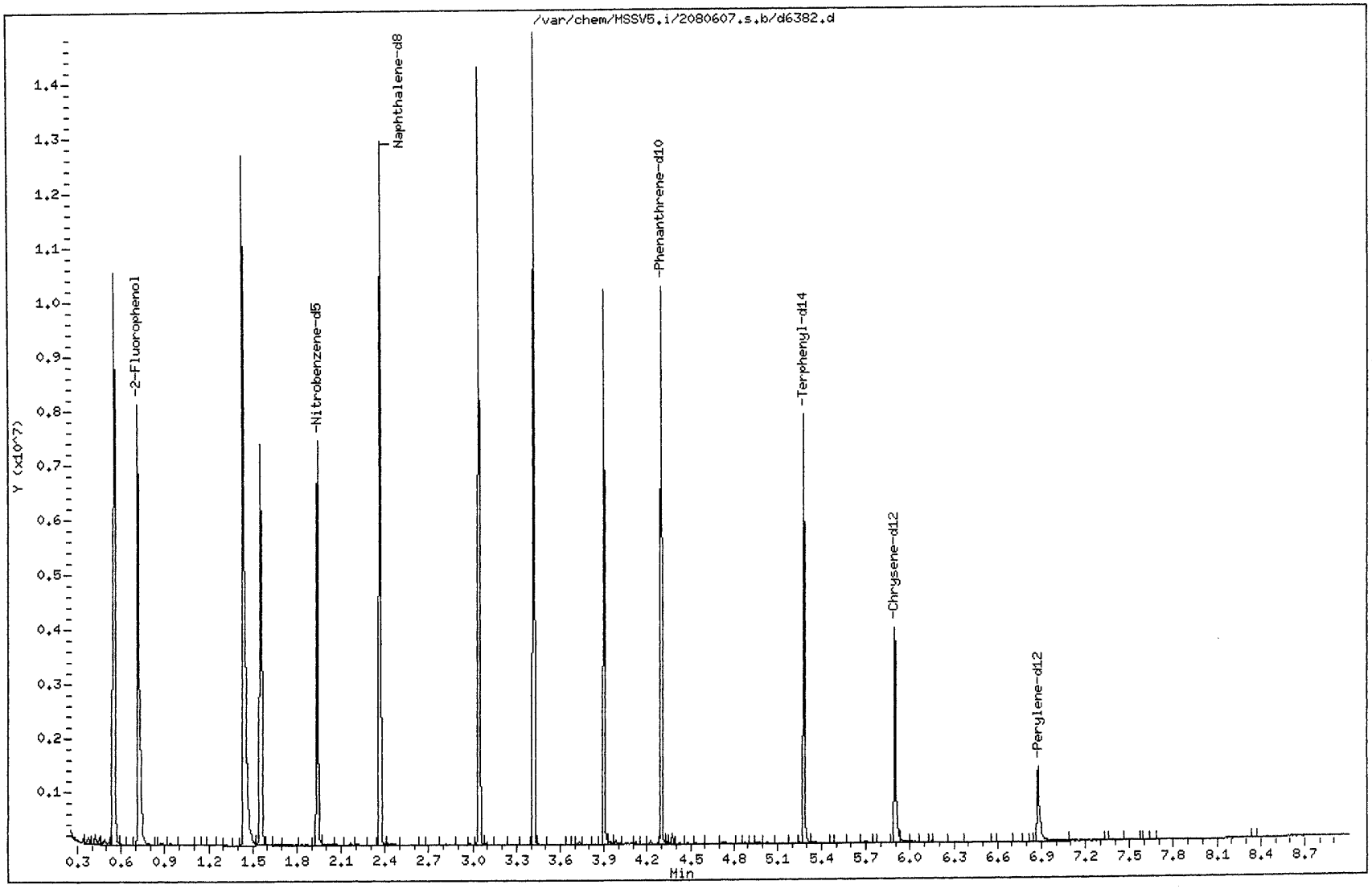
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
* 81 Perylene-d12	264	6.880	6.886	(1.000)	580611	40.0000	

170808

Data File: /var/chem/MSSV5.i/2080607.s.b/d6382.d
Date : 07-JUN-2008 13:29
Client ID: 0606SBLK
Sample Info: 611349*BLK
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

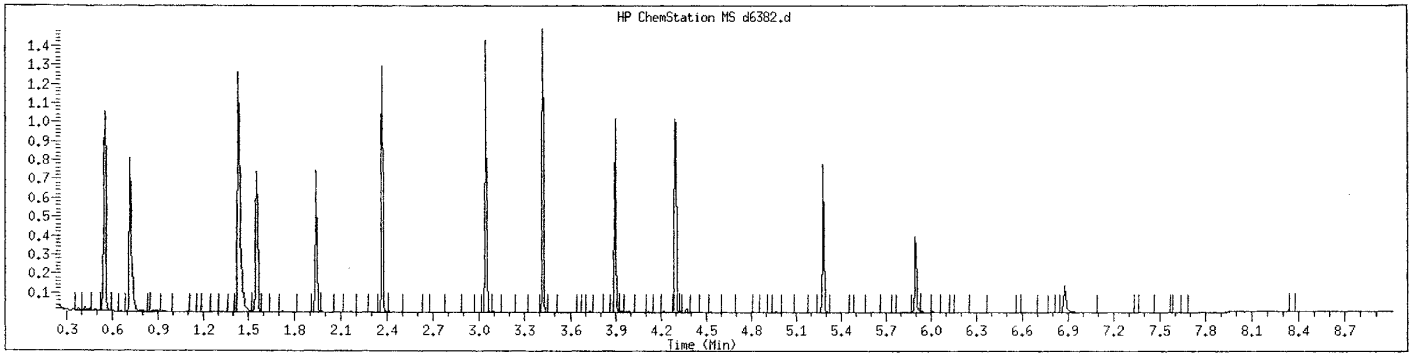
Instrument: MSSV5.i

Operator: KCB
Column diameter: 0.25



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 611349	SampleType	: BLANK
Injection Date	: 06/07/2008 13:29	Instrument	: MSSV5.i
Operator	: KCB		
Sample Info	: 611349*BLK		
Misc Info	: 0606SBLK*MSSV~5022~*SBLK*30.0-1*375004*		
Method	: /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m		
Dilution	: 1.00		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

170810

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: MB611830
Contract:
Lab File ID: 2080609/d6420
Lab Sample ID: 611830
Date Collected: Time:
Date Received:
Date Extracted: 06/07/08
Date Analyzed: 06/09/08 Time: 0937
Dilution Factor: 1 Analyst: KCB
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375086 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	0.010	U	0.000088	0.010
120-12-7	Anthracene	0.010	U	0.000102	0.010
56-55-3	Benzo(a)anthracene	0.010	U	0.000079	0.010
92-87-5	Benzidine	0.050	U	0.00718	0.050
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	0.010	U	0.000155	0.010

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: MB611830
Contract:
Lab File ID: 2080609/d6420
Lab Sample ID: 611830
Date Collected: Time:
Date Received:
Date Extracted: 06/07/08
Date Analyzed: 06/09/08 Time: 0937
Dilution Factor: 1 Analyst: KCB
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375086 Analytical Batch: 375227

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	0.010	U	0.000842	0.010
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	0.010	U	0.000137	0.010
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	0.010	U	0.000944	0.010
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)	0.050	U	0.00205	0.050
100-52-7	Benzaldehyde	0.050	U	0.00121	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: MB611830
Contract:
Lab File ID: 2080609/d6420
Lab Sample ID: 611830
Date Collected: Time:
Date Received:
Date Extracted: 06/07/08
Date Analyzed: 06/09/08 Time: 0937
Dilution Factor: 1 Analyst: KCB
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375086 Analytical Batch: 375227

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	0.010	U	0.000089	0.010

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080609.s.b/d6420.d
Lab Smp Id: 611830 Client Smp ID: 0607SBLK
Inj Date : 09-JUN-2008 09:37
Operator : KCB Inst ID: MSSV5.i
Smp Info : 611830*BLK
Misc Info : 0607SBLK*MSSV~5025~*SBLK*1000-1*375086*
Comment :
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Meth Date : 09-Jun-2008 10:06 root Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.d
Als bottle: 6 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

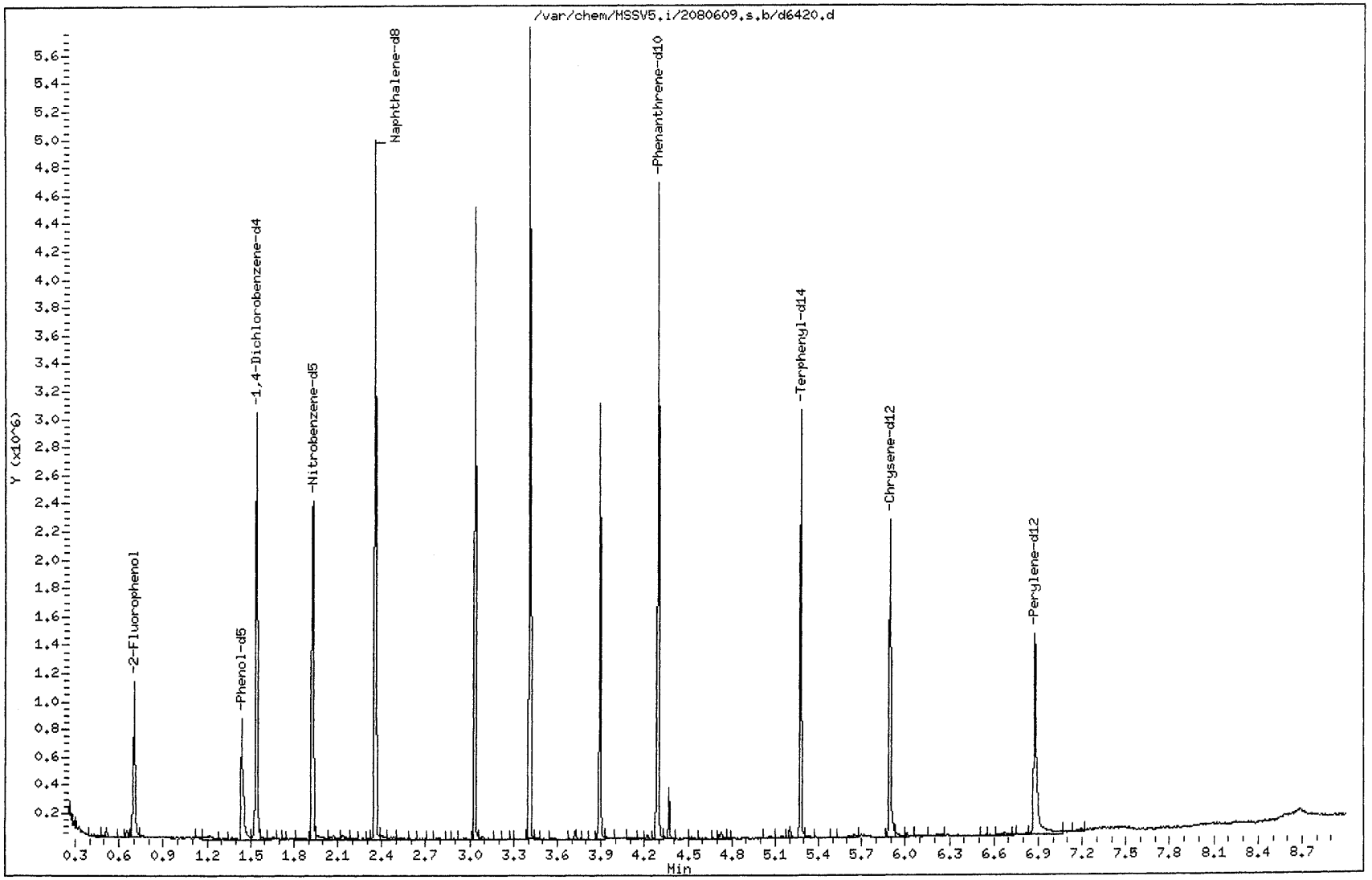
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
$ 3 2-Fluorophenol	112	0.697	0.697	(0.454)	264677	29.5079	29.5
$ 4 Phenol-d5	99	1.435	1.425	(0.934)	336019	16.3486	16.3
* 10 1,4-Dichlorobenzene-d4	152	1.537	1.537	(1.000)	401374	40.0000	
$ 19 Nitrobenzene-d5	82	1.927	1.927	(0.818)	825678	43.2456	43.2
* 28 Naphthalene-d8	136	2.355	2.355	(1.000)	1467526	40.0000	
$ 37 2-Fluorobiphenyl	172	3.035	3.035	(0.890)	1019593	42.4817	42.5
* 44 Acenaphthene-d10	164	3.409	3.414	(1.000)	769433	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.890	3.896	(1.141)	214646	74.4258	74.4
* 61 Phenanthrene-d10	188	4.292	4.292	(1.000)	1192754	40.0000	
$ 70 Terphenyl-d14	244	5.276	5.276	(0.896)	711917	43.1094	43.1
* 74 Chrysene-d12	240	5.891	5.902	(1.000)	736453	40.0000	
* 81 Perylene-d12	264	6.875	6.880	(1.000)	588581	40.0000	

170814

Data File: /var/chem/MSSV5.i/2080609.s.b/d6420.d
Date : 09-JUN-2008 09:37
Client ID: 0607SBLK
Sample Info: 611830*BLK
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

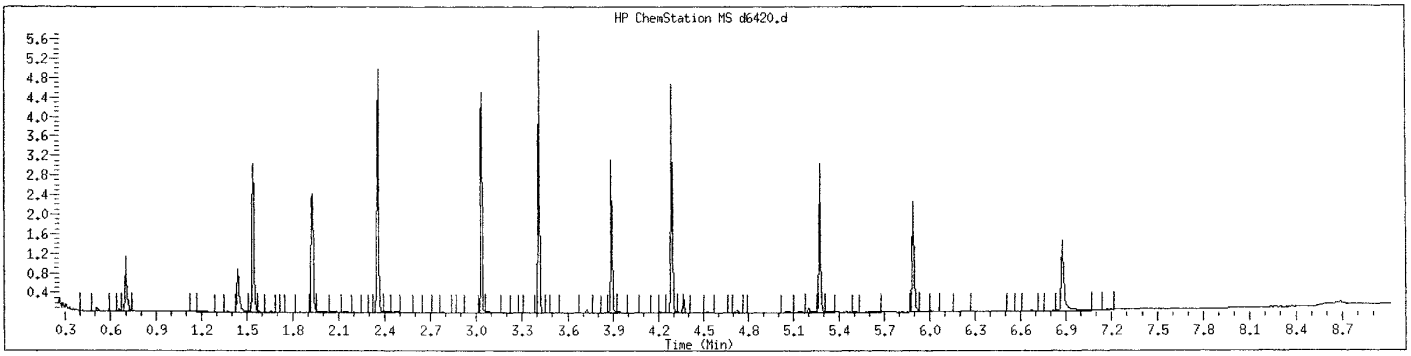
Instrument: MSSV5.i

Operator: KCB
Column diameter: 0.25



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 611830	SampleType	: BLANK
Injection Date	: 06/09/2008 09:37	Instrument	: MSSV5.i
Operator	: KCB		
Sample Info	: 611830*BLK		
Misc Info	: 0607SBLK*MSSV~5025~*SBLK*1000-1*375086*		
Method	: /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

170816

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: MB612544
Contract:
Lab File ID: 2080609/d6438
Lab Sample ID: 612544
Date Collected: Time:
Date Received:
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1417
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

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	1.65	U	0.252	1.65
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.: 208060522
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: MB612544
Contract:
Lab File ID: 2080609/d6438
Lab Sample ID: 612544
Date Collected: Time:
Date Received:
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1417
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	0.066	U	0.00546	0.066
118-74-1	Hexachlorobenzene	0.330	U	0.011	0.330
77-47-4	Hexachlorocyclopentadiene	0.330	U	0.019	0.330
67-72-1	Hexachloroethane	0.330	U	0.029	0.330
78-59-1	Isophorone	0.330	U	0.00749	0.330
193-39-5	Indeno(1,2,3-cd)pyrene	0.330	U	0.010	0.330
91-57-6	2-Methylnaphthalene	0.066	U	0.00803	0.066
95-48-7	o-Cresol	0.330	U	0.017	0.330
98-95-3	Nitrobenzene	0.330	U	0.040	0.330
88-75-5	2-Nitrophenol	0.330	U	0.00959	0.330
62-75-9	N-Nitrosodimethylamine	0.330	U	0.097	0.330
86-30-6	N-Nitrosodiphenylamine	0.330	U	0.00564	0.330
85-01-8	Phenanthrene	0.066	U	0.00578	0.066
95-95-4	2,4,5-Trichlorophenol	0.330	U	0.00654	0.330
88-06-2	2,4,6-Trichlorophenol	0.330	U	0.00755	0.330
100-51-6	Benzyl alcohol	0.330	U	0.010	0.330
62-53-3	Aniline	0.330	U	0.018	0.330
110-86-1	Pyridine	0.330	U	0.016	0.330
105-60-2	Caprolactam	0.330	U	0.00978	0.330
98-86-2	Acetophenone	0.330	U	0.00818	0.330
99-09-2	3-Nitroaniline	1.65	U	0.031	1.65
100-01-6	4-Nitroaniline	1.65	U	0.00804	1.65
84-74-2	Di-n-butylphthalate	0.330	U	0.00664	0.330
122-66-7	1,2 Diphenylhydrazine	0.330	U	0.00966	0.330
88-74-4	2-Nitroaniline	1.65	U	0.00584	1.65
91-58-7	2-Chloronaphthalene	0.330	U	0.00901	0.330
106-47-8	4-Chloroaniline	0.330	U	0.00400	0.330
1912-24-9	Atrazine (Aatrex)	0.660	U	0.016	0.660
100-52-7	Benzaldehyde	0.660	U	0.026	0.660

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: MB612544
Contract:
Lab File ID: 2080609/d6438
Lab Sample ID: 612544
Date Collected: Time:
Date Received:
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1417
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

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/MSSV5.i/2080609.s.b/d6438.d
Lab Smp Id: 612544 Client Smp ID: 0609SBLK
Inj Date : 09-JUN-2008 14:17
Operator : KCB Inst ID: MSSV5.i
Smp Info : 612544*BLK
Misc Info : 0609SBLK*MSSV~5025~*SBLK*30.0-1*375218*
Comment :
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Meth Date : 09-Jun-2008 10:06 root Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.d
Als bottle: 33 QC Sample: BLANK
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	Weigth 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	0.703	0.697	(0.456)	1571251	84.7109	2820
$ 4 Phenol-d5	99	1.419	1.425	(0.920)	3205861	75.4279	2510
* 10 1,4-Dichlorobenzene-d4	152	1.542	1.537	(1.000)	830000	40.0000	
$ 19 Nitrobenzene-d5	82	1.922	1.927	(0.816)	1573710	38.5862	1290
* 28 Naphthalene-d8	136	2.355	2.355	(1.000)	3134800	40.0000	
$ 37 2-Fluorobiphenyl	172	3.035	3.035	(0.890)	2065921	39.0950	1300
* 44 Acenaphthene-d10	164	3.409	3.414	(1.000)	1694097	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.891	3.896	(1.141)	476155	74.9862	2500
* 61 Phenanthrene-d10	188	4.292	4.292	(1.000)	2556843	40.0000	
$ 70 Terphenyl-d14	244	5.276	5.276	(0.895)	1710761	50.4121	1680
* 74 Chrysene-d12	240	5.896	5.902	(1.000)	1513358	40.0000	

170820

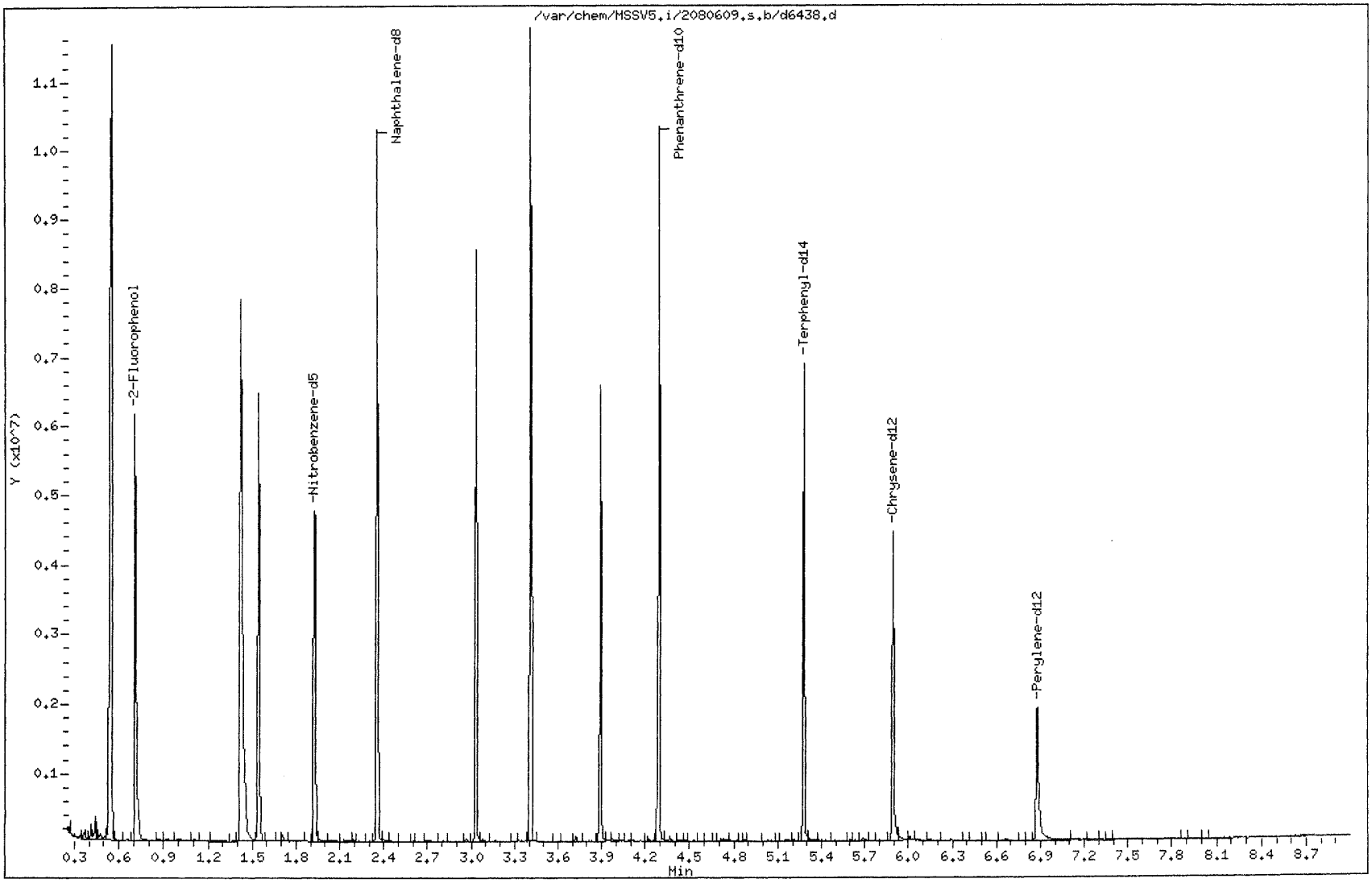
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
* 81 Perylene-d12	264	6.880	6.880	(1.000)	851319	40.0000	

170821

Data File: /var/chem/MSSV5.i/2080609.s.b/d6438.d
Date : 09-JUN-2008 14:17
Client ID: 0609SBLK
Sample Info: 612544*BLK
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

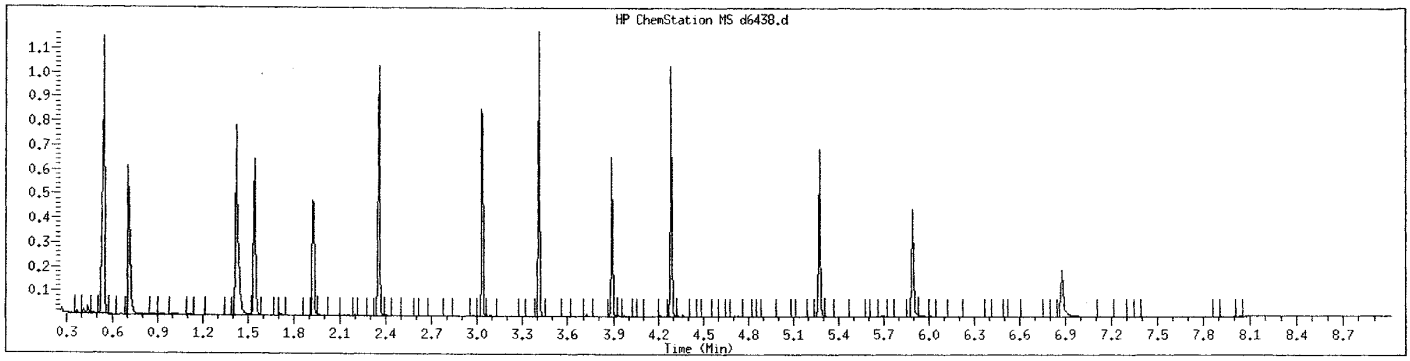
Instrument: MSSV5.i

Operator: KCB
Column diameter: 0.25



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 612544	SampleType	: BLANK
Injection Date	: 06/09/2008 14:17	Instrument	: MSSV5.i
Operator	: KCB		
Sample Info	: 612544*BLK		
Misc Info	: 0609SBLK*MSSV~5025~*SBLK*30.0-1*375218*		
Method	: /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m		
Dilution	: 1.00		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: SA8270



NO MANUAL INTEGRATIONS

170823

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: LCS611350
Contract:
Lab File ID: 2080607/d6384
Lab Sample ID: 611350
Date Collected: Time:
Date Received:
Date Extracted: 06/06/08
Date Analyzed: 06/07/08 Time: 1400
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375004 Analytical Batch: 375151

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	3.54		0.00640	0.066
120-12-7	Anthracene	3.51		0.00590	0.066
56-55-3	Benzo(a)anthracene	3.61		0.00419	0.066
92-87-5	Benzidine	11.7	E	0.252	1.65
205-99-2	Benzo(b)fluoranthene	4.08		0.00977	0.330
207-08-9	Benzo(k)fluoranthene	4.54		0.00881	0.330
191-24-2	Benzo(g,h,i)perylene	4.02		0.00715	0.330
50-32-8	Benzo(a)pyrene	4.06		0.00714	0.066
65-85-0	Benzoic acid	3.22		0.032	1.65
85-68-7	Butylbenzylphthalate	3.97		0.00760	0.330
111-91-1	Bis(2-Chloroethoxy)methane	3.28		0.00746	0.330
111-44-4	Bis(2-Chloroethyl)ether	3.32		0.029	0.330
108-60-1	bis(2-Chloroisopropyl)ether	3.12		0.033	0.330
117-81-7	bis(2-ethylhexyl)phthalate	3.87		0.038	0.066
101-55-3	4-Bromophenyl-phenylether	4.03		0.00603	0.330
86-74-8	Carbazole	3.18		0.00765	0.330
7005-72-3	4-Chlorophenyl-phenylether	3.30		0.00641	0.330
218-01-9	Chrysene	3.26		0.00625	0.330
53-70-3	Dibenz(a,h)anthracene	4.06		0.00545	0.066
132-64-9	Dibenzofuran	3.42		0.00505	0.330
91-94-1	3,3'-Dichlorobenzidine	2.89		0.023	0.660
120-83-2	2,4-Dichlorophenol	3.41		0.00778	0.330
84-66-2	Diethylphthalate	3.00		0.00630	0.330
105-67-9	2,4-Dimethylphenol	3.20		0.00882	0.330
131-11-3	Dimethyl-phthalate	3.22		0.00509	0.330
117-84-0	Di-n-octylphthalate	3.29		0.018	0.330
51-28-5	2,4-Dinitrophenol	2.39		0.016	1.65
606-20-2	2,6-Dinitrotoluene	2.44		0.00567	0.330
206-44-0	Fluoranthene	2.78		0.00536	0.330

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: LCS611350
Contract:
Lab File ID: 2080607/d6384
Lab Sample ID: 611350
Date Collected: Time:
Date Received:
Date Extracted: 06/06/08
Date Analyzed: 06/07/08 Time: 1400
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375004 Analytical Batch: 375151

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	3.15		0.00546	0.066
118-74-1	Hexachlorobenzene	3.86		0.011	0.330
77-47-4	Hexachlorocyclopentadiene	3.60		0.019	0.330
67-72-1	Hexachloroethane	2.97		0.029	0.330
78-59-1	Isophorone	3.28		0.00749	0.330
193-39-5	Indeno(1,2,3-cd)pyrene	3.12		0.010	0.330
91-57-6	2-Methylnaphthalene	3.86		0.00803	0.066
95-48-7	o-Cresol	3.64		0.017	0.330
98-95-3	Nitrobenzene	3.27		0.040	0.330
88-75-5	2-Nitrophenol	3.37		0.00959	0.330
62-75-9	N-Nitrosodimethylamine	3.81		0.097	0.330
86-30-6	N-Nitrosodiphenylamine	3.82		0.00564	0.330
85-01-8	Phenanthrene	3.35		0.00578	0.066
95-95-4	2,4,5-Trichlorophenol	3.54		0.00654	0.330
88-06-2	2,4,6-Trichlorophenol	3.58		0.00755	0.330
100-51-6	Benzyl alcohol	3.66		0.010	0.330
62-53-3	Aniline	12.4	E	0.018	0.330
110-86-1	Pyridine	1.82		0.016	0.330
105-60-2	Caprolactam	3.25		0.00978	0.330
98-86-2	Acetophenone	3.51		0.00818	0.330
99-09-2	3-Nitroaniline	2.19		0.031	1.65
100-01-6	4-Nitroaniline	2.58		0.00804	1.65
84-74-2	Di-n-butylphthalate	3.33		0.00664	0.330
122-66-7	1,2 Diphenylhydrazine	3.74		0.00966	0.330
88-74-4	2-Nitroaniline	3.22		0.00584	1.65
91-58-7	2-Chloronaphthalene	3.59		0.00901	0.330
106-47-8	4-Chloroaniline	3.50		0.00400	0.330
1912-24-9	Atrazine (Aatrex)	6.80	E	0.016	0.660
100-52-7	Benzaldehyde	3.64		0.026	0.660

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: LCS611350
Contract:
Lab File ID: 2080607/d6384
Lab Sample ID: 611350
Date Collected: Time:
Date Received:
Date Extracted: 06/06/08
Date Analyzed: 06/07/08 Time: 1400
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375004 Analytical Batch: 375151

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	3.41		0.00551	0.330
1319-77-3M	m,p-Cresol	3.63		0.00965	0.330
534-52-1	2-Methyl-4,6-dinitrophenol	3.14		0.039	1.65
108-95-2	Phenol	3.49		0.010	0.330
95-57-8	2-Chlorophenol	3.50		0.014	0.330
621-64-7	N-Nitroso-di-n-propylamine	3.35		0.00984	0.066
59-50-7	4-Chloro-3-methylphenol	2.74		0.00806	0.330
83-32-9	Acenaphthene	3.26		0.00887	0.066
100-02-7	4-Nitrophenol	3.13		0.034	1.65
121-14-2	2,4-Dinitrotoluene	2.95		0.021	0.330
87-86-5	Pentachlorophenol	2.74		0.017	1.65
129-00-0	Pyrene	4.21		0.00676	0.330

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080607.s.b/d6384.d
Lab Smp Id: 611350 Client Smp ID: 0606LCS
Inj Date : 07-JUN-2008 14:00
Operator : KCB Inst ID: MSSV5.i
Smp Info : 611350*LCS
Misc Info : 0606LCS*MSSV~5022~*LCSD*30.0-1*375004*
Comment :
Method : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Meth Date : 07-Jun-2008 10:48 root Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.d
Als bottle: 19 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	Weigth 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	0.318	0.302	(0.204)	748502	54.5800	1820
	1 n-Nitrosodimethylamine	42	0.312	0.302	(0.200)	427492	114.316	3810
$	3 2-Fluorophenol	112	0.713	0.703	(0.458)	2182390	110.858	3700
$	4 Phenol-d5	99	1.441	1.436	(0.924)	4886097	108.315	3610
	5 Aniline	93	1.345	1.339	(0.863)	5333755	372.033	12400(AR)
	6 Phenol +	94	1.446	1.446	(0.928)	5145863	104.629	3490
	7 bis(-2-Chloroethyl)Ether	63	1.419	1.409	(0.911)	2561822	99.6391	3320
	8 2-Chlorophenol	128	1.446	1.441	(0.928)	3005446	104.855	3500
	9 1,3-Dichlorobenzene	146	1.516	1.505	(0.973)	3000970	89.0051	2970
*	10 1,4-Dichlorobenzene-d4	152	1.558	1.553	(1.000)	880924	40.0000	
	11 1,4-Dichlorobenzene +	146	1.569	1.564	(1.007)	3089257	91.4467	3050

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
	12 Benzyl alcohol	108	1.719	1.708	(1.103)	2527121	109.702	3660
	13 1,2-Dichlorobenzene	146	1.665	1.660	(1.069)	2992678	93.4806	3120
	15 2-Methylphenol	108	1.842	1.837	(1.182)	3355696	109.066	3640(R)
	14 Bis(2-chloroisopropyl)ether	45	1.788	1.789	(1.148)	3261015	93.6333	3120
	17 3- & 4-Methylphenol	108	1.944	1.944	(1.247)	3534916	109.013	3630
	16 N-Nitroso-di-n-propylamine++	70	1.901	1.885	(1.220)	3026424	100.520	3350
	18 Hexachloroethane	117	1.879	1.874	(1.206)	1315529	89.0099	2970
$	19 Nitrobenzene-d5	82	1.949	1.944	(0.822)	2040412	47.0022	1570
	20 Nitrobenzene	77	1.960	1.954	(0.826)	6218118	98.1866	3270
	21 Isophorone	82	2.125	2.120	(0.896)	8099656	98.5056	3280
	22 2-Nitrophenol +	139	2.158	2.158	(0.910)	1544470	101.013	3370
	23 2,4-Dimethyphenol	107	2.254	2.254	(0.950)	3615412	96.0916	3200
	24 bis(-2-Chloroethoxy)methane	93	2.286	2.281	(0.964)	4478467	98.2898	3280
	25 Benzoic Acid	122	2.441	2.420	(1.029)	1277544	96.6220	3220
	26 2,4-Dichlorophenol +	162	2.339	2.339	(0.986)	2266694	102.445	3410
	27 1,2,4-Trichlorobenzene	180	2.350	2.350	(0.991)	2685317	96.8897	3230
*	28 Naphthalene-d8	136	2.371	2.372	(1.000)	3336699	40.0000	
	29 Naphthalene	128	2.382	2.382	(1.004)	7099957	81.6434	2720
	30 4-Chloroaniline	127	2.452	2.452	(1.034)	2134403	104.962	3500(R)
	31 Hexachlorobutadiene +	225	2.478	2.479	(1.045)	1755382	93.1674	3110
	32 4-Chloro-3-Methylphenol +	107	2.821	2.821	(1.189)	2283667	82.3317	2740
	33 2-Methylnaphthalene	142	2.810	2.810	(1.185)	6892333	115.719	3860(R)
	145 1-Methylnapthalene	142	2.864	2.864	(1.207)	4499577	90.3901	3010
	34 Hexachlorocyclopentadiene ++	237	2.912	2.912	(0.850)	1663450	107.961	3600
	35 2,4,6-Trichlorophenol +	196	3.019	3.013	(0.881)	1468501	107.309	3580
	36 2,4,5-Trichlorphenol	196	3.061	3.062	(0.894)	1495253	106.154	3540
$	37 2-Fluorobiphenyl	172	3.045	3.045	(0.889)	2542487	53.0054	1770
	38 2-Chloronaphthalene	162	3.099	3.099	(0.905)	4613712	107.562	3590
	39 2-Nitroaniline	138	3.195	3.195	(0.933)	1320693	96.4611	3220
	40 Dimethylphthalate	163	3.324	3.318	(0.970)	4221346	96.6128	3220
	41 2,6-Dinitrotoluene	165	3.350	3.345	(0.978)	1002516	73.3184	2440
	42 Acenaphthylene	152	3.340	3.340	(0.975)	6616421	106.134	3540(R)
	43 3-Nitroaniline	138	3.447	3.447	(1.006)	625756	65.7217	2190
*	44 Acenaphthene-d10	164	3.425	3.425	(1.000)	1537744	40.0000	
	45 Acenaphthene +	153	3.447	3.447	(1.006)	4061334	97.9069	3260
	46 2,4-Dinitrophenol ++	184	3.516	3.516	(1.027)	480199	71.8129	2390(M1)
	49 4-Nitrophenol ++	109	3.644	3.650	(1.064)	534193	93.9749	3130
	47 Dibenzofuran	168	3.554	3.548	(1.037)	5692820	102.673	3420
	48 2,4-Dinitrotoluene	165	3.591	3.586	(1.048)	1211672	88.6149	2950
	50 Diethylphthalate	149	3.751	3.746	(1.095)	3644826	89.9038	3000
	52 4-Chlorophenyl-phenylether	204	3.773	3.773	(1.101)	2173145	99.0456	3300
	51 Fluorene	166	3.757	3.751	(1.097)	4282540	94.5092	3150
	53 4-Nitroaniline	138	3.821	3.816	(1.116)	728786	77.2655	2580
	54 4,6-Dinitro-o-cresol	198	3.837	3.832	(0.892)	661226	94.1810	3140
	55 N-nitrosodiphenylamine (1)+	169	3.858	3.858	(0.897)	2687478	114.641	3820
	56 Azobenzene	77	3.869	3.869	(0.899)	6403824	112.135	3740
$	57 2,4,6-Tribromophenol	332	3.907	3.907	(1.141)	515072	89.3625	2980

170828

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
58	4-Bromophenyl-phenylether	248	4.062	4.062	(0.944)	1042470	120.875	4030 (R)
59	Hexachlorobenzene	284	4.083	4.083	(0.949)	1279800	115.700	3860
60	Pentachlorophenol +	266	4.227	4.228	(0.983)	553765	82.0610	2740
* 61	Phenanthrene-d10	188	4.302	4.302	(1.000)	1884194	40.0000	
62	Phenanthrene	178	4.318	4.318	(1.004)	4884484	100.400	3350
63	Anthracene	178	4.350	4.351	(1.011)	4988834	105.372	3510
64	Carbazole	167	4.468	4.474	(1.039)	3935529	95.3304	3180
65	Di-n-butylphthalate	149	4.725	4.725	(1.098)	4779820	99.8594	3330
67	Fluoranthene +	202	5.024	5.024	(1.168)	3989467	83.3779	2780
68	Benzidine	184	5.147	5.142	(0.872)	166467	352.199	11700 (AR)
69	Pyrene	202	5.147	5.153	(0.872)	3937781	126.239	4210
$ 70	Terphenyl-d14	244	5.281	5.287	(0.895)	1292366	63.9432	2130
71	Butylbenzylphthalate	149	5.607	5.607	(0.950)	1443860	119.008	3970
73	3,3'-Dichlorobenzidine	252	5.912	5.918	(1.002)	666519	86.5947	2890
72	Benzo(a)anthracene	228	5.896	5.896	(0.999)	2811187	108.309	3610 (R)
* 74	Chrysene-d12	240	5.902	5.902	(1.000)	901319	40.0000	
76	bis(2-Ethylhexyl)phthalate	149	6.014	6.014	(1.019)	1783425	116.231	3870
75	Chrysene	228	5.918	5.918	(1.003)	2877574	97.7040	3260
77	Di-n-octylphthalate +	149	6.469	6.474	(1.096)	2640939	98.8142	3290
78	Benzo(b)fluoranthene	252	6.629	6.629	(0.963)	1964133	122.376	4080 (R)
79	Benzo(k)fluoranthene	252	6.645	6.650	(0.966)	2937416	136.295	4540 (R)
80	Benzo(a)pyrene +	252	6.843	6.843	(0.995)	2106858	121.815	4060 (R)
* 81	Perylene-d12	264	6.880	6.886	(1.000)	562747	40.0000	
82	Indeno(1,2,3-cd)pyrene	276	7.586	7.586	(1.285)	1567834	93.6145	3120 (M2)
83	Dibenzo(a,h)anthracene	278	7.608	7.608	(1.106)	2177840	121.670	4060
84	Benzo(g,h,i)perylene	276	7.747	7.747	(1.126)	2520023	120.526	4020
M 66	Total Methylphenol	108				6890612	218.079	7270
91	Acetophenone	105	1.858	1.853	(1.192)	4598294	105.385	3510
155	Benzaldehyde	77	1.238	1.232	(0.794)	1379567	109.331	3640
156	Caprolactam	113	2.751	2.714	(1.160)	728384	97.4334	3250
157	Biphenyl	154	3.104	3.099	(1.309)	5831540	102.336	3410
158	Atrazine	200	4.211	4.206	(0.979)	1047070	203.905	6800 (AR)
174	1,4-Dioxane	88	0.275	0.259	(0.176)	164103	46.6302	1550

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.

170829

Data File: /var/chem/MSSV5.i/2080607.s.b/d6384.d

Date : 07-JUN-2008 14:00

Client ID: 0606LCS

Instrument: MSSV5.i

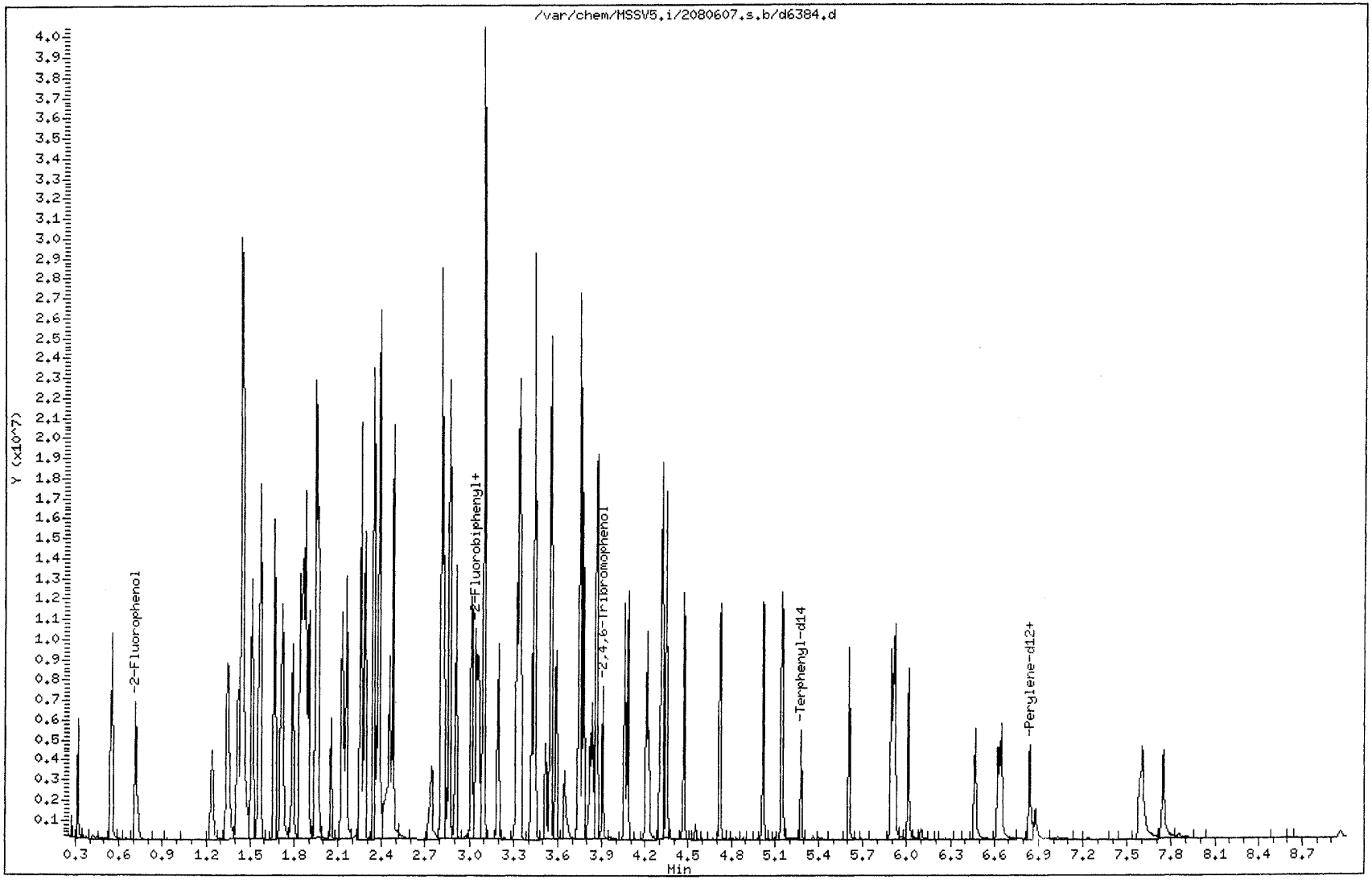
Sample Info: 611350*LCS

Volume Injected (uL): 1.0

Operator: KCB

Column phase: RTX-5MS-30M

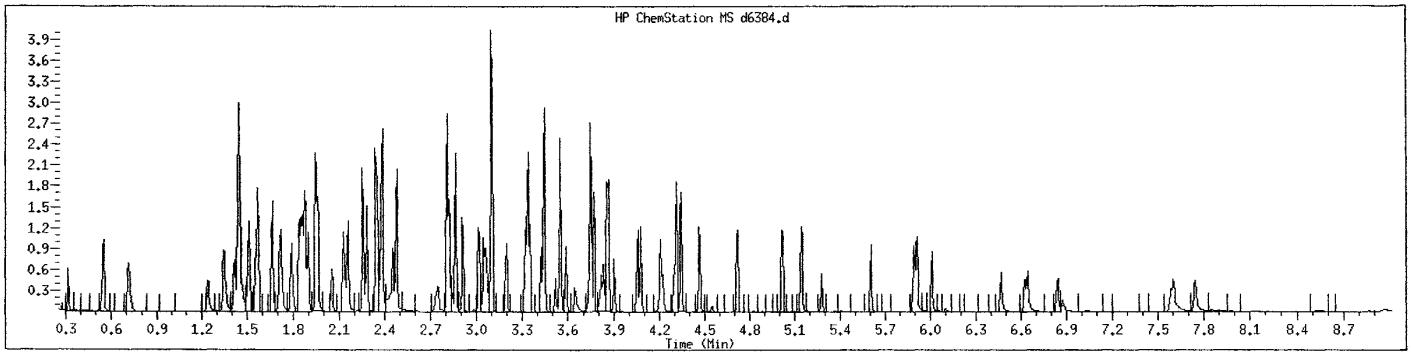
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2080607.s.b/d6384.d Page: 1
Report Date: 06/09/2008 12:25

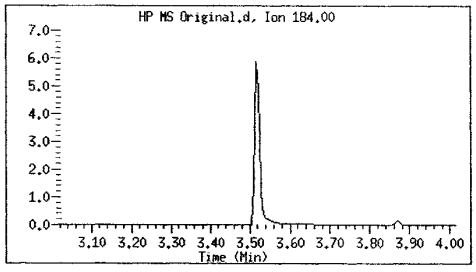
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 611350 SampleType : LCSD
Injection Date: 06/07/2008 14:00 Instrument : MSSV5.i
Operator : KCB
Sample Info : 611350*LCS
Misc Info : 0606LCS*MSSV~5022~*LCSD*30.0-1*375004*
Method : /var/chem/MSSV5.i/2080607.s.b/8270CE_05.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



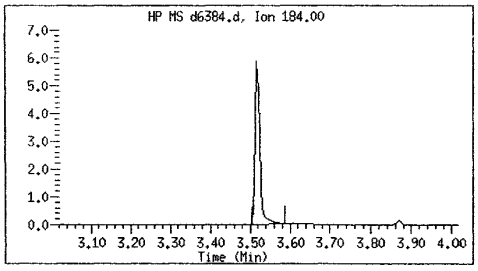
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1

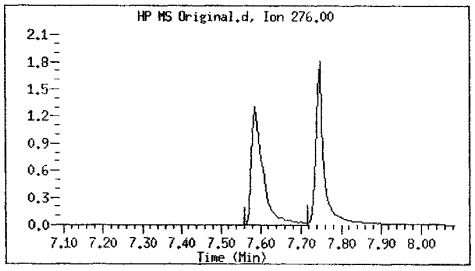


Electronic Signature Applied

User: root
Date: 06/08/2008 10:58

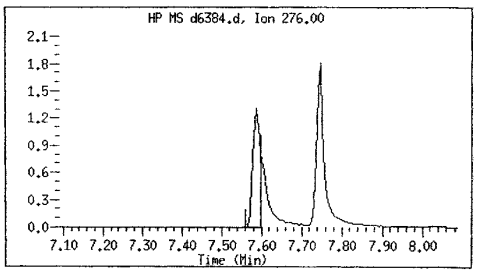


82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



Electronic Signature Applied

User: root
Date: 06/08/2008 10:59



170831

M1 - Target system did not integrate
M2 - Target system integrated incorrectly

170832

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: LCS611831
Contract:
Lab File ID: 2080609/d6421
Lab Sample ID: 611831
Date Collected: Time:
Date Received:
Date Extracted: 06/07/08
Date Analyzed: 06/09/08 Time: 0952
Dilution Factor: 1 Analyst: KCB
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375086 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	0.105		0.000088	0.010
120-12-7	Anthracene	0.097		0.000102	0.010
56-55-3	Benzo(a)anthracene	0.091		0.000079	0.010
92-87-5	Benzidine	0.388	E	0.00718	0.050
205-99-2	Benzo(b)fluoranthene	0.101		0.000165	0.010
207-08-9	Benzo(k)fluoranthene	0.125		0.000066	0.010
191-24-2	Benzo(g,h,i)perylene	0.124		0.000141	0.010
50-32-8	Benzo(a)pyrene	0.113		0.000150	0.010
65-85-0	Benzoic acid	0.050	U	0.00100	0.050
85-68-7	Butylbenzylphthalate	0.088		0.000356	0.010
111-91-1	Bis(2-Chloroethoxy)methane	0.091		0.000241	0.010
111-44-4	Bis(2-Chloroethyl)ether	0.086		0.000470	0.010
108-60-1	bis(2-Chloroisopropyl)ether	0.083		0.000528	0.010
117-81-7	bis(2-ethylhexyl)phthalate	0.087		0.00191	0.010
101-55-3	4-Bromophenyl-phenylether	0.100		0.000366	0.010
86-74-8	Carbazole	0.092		0.000293	0.010
7005-72-3	4-Chlorophenyl-phenylether	0.094		0.000346	0.010
218-01-9	Chrysene	0.099		0.000056	0.010
53-70-3	Dibenz(a,h)anthracene	0.124		0.000257	0.010
132-64-9	Dibenzofuran	0.101		0.000320	0.010
91-94-1	3,3'-Dichlorobenzidine	0.113		0.00208	0.020
120-83-2	2,4-Dichlorophenol	0.087		0.000387	0.010
84-66-2	Diethylphthalate	0.094		0.000257	0.010
105-67-9	2,4-Dimethylphenol	0.068		0.00131	0.010
131-11-3	Dimethyl-phthalate	0.097		0.000206	0.010
117-84-0	Di-n-octylphthalate	0.092		0.000889	0.010
51-28-5	2,4-Dinitrophenol	0.064		0.00112	0.050
606-20-2	2,6-Dinitrotoluene	0.075		0.000410	0.010
206-44-0	Fluoranthene	0.081		0.000155	0.010

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: LCS611831
Contract:
Lab File ID: 2080609/d6421
Lab Sample ID: 611831
Date Collected: Time:
Date Received:
Date Extracted: 06/07/08
Date Analyzed: 06/09/08 Time: 0952
Dilution Factor: 1 Analyst: KCB
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375086 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	0.092		0.000110	0.010
118-74-1	Hexachlorobenzene	0.097		0.000256	0.010
77-47-4	Hexachlorocyclopentadiene	0.084		0.000597	0.010
67-72-1	Hexachloroethane	0.081		0.000842	0.010
78-59-1	Isophorone	0.091		0.000240	0.010
193-39-5	Indeno(1,2,3-cd)pyrene	0.136		0.000158	0.010
91-57-6	2-Methylnaphthalene	0.105		0.000102	0.010
95-48-7	o-Cresol	0.056		0.000327	0.010
98-95-3	Nitrobenzene	0.083		0.000362	0.010
88-75-5	2-Nitrophenol	0.090		0.000522	0.010
62-75-9	N-Nitrosodimethylamine	0.045		0.00101	0.010
86-30-6	N-Nitrosodiphenylamine	0.105		0.000510	0.010
85-01-8	Phenanthrene	0.093		0.000137	0.010
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	0.068		0.000442	0.010
62-53-3	Aniline	0.203	E	0.000556	0.010
110-86-1	Pyridine	0.038		0.000349	0.010
105-60-2	Caprolactam	0.026		0.00258	0.010
98-86-2	Acetophenone	0.092		0.000371	0.010
99-09-2	3-Nitroaniline	0.103		0.000400	0.050
100-01-6	4-Nitroaniline	0.090		0.000564	0.050
84-74-2	Di-n-butylphthalate	0.089		0.000944	0.010
122-66-7	1,2 Diphenylhydrazine	0.109		0.000204	0.010
88-74-4	2-Nitroaniline	0.097		0.000267	0.050
91-58-7	2-Chloronaphthalene	0.101		0.000343	0.010
106-47-8	4-Chloroaniline	0.154		0.000786	0.010
1912-24-9	Atrazine (Aatrex)	0.192		0.00205	0.050
100-52-7	Benzaldehyde	0.224	E	0.00121	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: LCS611831
Contract:
Lab File ID: 2080609/d6421
Lab Sample ID: 611831
Date Collected: Time:
Date Received:
Date Extracted: 06/07/08
Date Analyzed: 06/09/08 Time: 0952
Dilution Factor: 1 Analyst: KCB
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375086 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	0.092		0.000341	0.010
1319-77-3M	m,p-Cresol	0.047		0.000295	0.010
534-52-1	2-Methyl-4,6-dinitrophenol	0.085		0.000284	0.050
108-95-2	Phenol	0.021		0.000325	0.010
95-57-8	2-Chlorophenol	0.068		0.000344	0.010
621-64-7	N-Nitroso-di-n-propylamine	0.090		0.000313	0.010
59-50-7	4-Chloro-3-methylphenol	0.074		0.000408	0.010
83-32-9	Acenaphthene	0.095		0.000135	0.010
100-02-7	4-Nitrophenol	0.021	J	0.00201	0.050
121-14-2	2,4-Dinitrotoluene	0.091		0.000464	0.010
87-86-5	Pentachlorophenol	0.066		0.00106	0.050
129-00-0	Pyrene	0.083		0.000089	0.010

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080609.s.b/d6421.d
Lab Smp Id: 611831 Client Smp ID: 0607LCS
Inj Date : 09-JUN-2008 09:52
Operator : KCB Inst ID: MSSV5.i
Smp Info : 611831*LCS
Misc Info : 0607LCS*MSSV~5025~*LCS*1000-1*375086*
Comment :
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Meth Date : 11-Jun-2008 15:46 rjo Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.d
Als bottle: 7 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)	CONCENTRATIONS FINAL (ug/L)
	2 Pyridine	79	0.301	0.301	(0.195)	274438	38.3516	38.4
	1 n-Nitrosodimethylamine	42	0.301	0.296	(0.195)	41319	44.8085	44.8
$	3 2-Fluorophenol	112	0.697	0.697	(0.452)	362614	34.2971	34.3
$	4 Phenol-d5	99	1.430	1.425	(0.927)	579809	23.9327	23.9
	5 Aniline	93	1.323	1.323	(0.858)	2050589	202.683	203(AR)
	6 Phenol +	94	1.441	1.430	(0.934)	564694	21.3790	21.4
	7 bis(-2-Chloroethyl)Ether	63	1.398	1.398	(0.906)	1189687	86.1576	86.2
	8 2-Chlorophenol	128	1.425	1.425	(0.924)	1046588	67.9883	68.0
	9 1,3-Dichlorobenzene	146	1.494	1.494	(0.969)	1464138	80.8566	80.9
*	10 1,4-Dichlorobenzene-d4	152	1.542	1.537	(1.000)	473106	40.0000	
	11 1,4-Dichlorobenzene +	146	1.553	1.548	(1.007)	1504994	82.9523	83.0
	12 Benzyl alcohol	108	1.692	1.692	(1.097)	843702	68.1956	68.2
	13 1,2-Dichlorobenzene	146	1.649	1.649	(1.069)	1438927	83.6913	83.7

170836

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppm)	FINAL (ug/L)
	15	2-Methylphenol	108	1.826	1.826	(1.184)	929741	56.2663	56.3
	14	Bis(2-chloroisopropyl)ether	45	1.772	1.772	(1.149)	1545181	82.6108	82.6
	17	3- & 4-Methylphenol	108	1.927	1.927	(1.250)	821451	47.1693	47.2
	16	N-Nitroso-di-n-propylamine++	70	1.869	1.869	(1.212)	1462332	90.4373	90.4
	18	Hexachloroethane	117	1.863	1.863	(1.208)	638739	80.4714	80.5
$	19	Nitrobenzene-d5	82	1.927	1.927	(0.816)	1049334	48.6919	48.7
	20	Nitrobenzene	77	1.943	1.938	(0.823)	2610966	83.0496	83.0
	21	Isophorone	82	2.104	2.104	(0.891)	3715634	91.0270	91.0
	22	2-Nitrophenol +	139	2.141	2.141	(0.907)	684833	90.2247	90.2
	23	2,4-Dimethyphenol	107	2.238	2.238	(0.948)	1262911	67.6151	67.6
	24	bis(-2-Chloroethoxy)methane	93	2.264	2.264	(0.959)	2053380	90.7803	90.8
	26	2,4-Dichlorophenol +	162	2.323	2.329	(0.984)	957962	87.2145	87.2
	27	1,2,4-Trichlorobenzene	180	2.334	2.334	(0.989)	1194369	86.8088	86.8
*	28	Naphthalene-d8	136	2.361	2.355	(1.000)	1656433	40.0000	
	29	Naphthalene	128	2.371	2.371	(1.005)	3894593	90.2134	90.2
	30	4-Chloroaniline	127	2.441	2.441	(1.034)	1382110	154.449	154(R)
	31	Hexachlorobutadiene +	225	2.468	2.462	(1.045)	808301	86.4932	86.5
	32	4-Chloro-3-Methylphenol +	107	2.799	2.805	(1.186)	1017577	73.9001	73.9
	33	2-Methylnaphthalene	142	2.794	2.794	(1.184)	3040675	104.710	105
	145	1-Methylnapthalene	142	2.853	2.847	(1.208)	2016384	81.5953	81.6
	34	Hexachlorocyclopentadiene ++	237	2.896	2.896	(0.848)	610759	83.4758	83.5
	35	2,4,6-Trichlorophenol +	196	3.002	3.003	(0.879)	647323	97.7879	97.8
	36	2,4,5-Trichlorphenol	196	3.040	3.051	(0.890)	646859	94.9369	94.9
$	37	2-Fluorobiphenyl	172	3.035	3.035	(0.889)	1212719	52.2667	52.3
	38	2-Chloronaphthalene	162	3.083	3.083	(0.903)	2097558	101.094	101
	39	2-Nitroaniline	138	3.179	3.179	(0.931)	642509	97.0136	97.0
	40	Dimethylphthalate	163	3.307	3.307	(0.969)	2057059	97.3271	97.3
	41	2,6-Dinitrotoluene	165	3.334	3.334	(0.977)	493633	74.6327	74.6
	42	Acenaphthylene	152	3.323	3.323	(0.973)	3169267	105.098	105(R)
	43	3-Nitroaniline	138	3.430	3.430	(1.005)	476317	103.420	103
*	44	Acenaphthene-d10	164	3.414	3.414	(1.000)	743842	40.0000	
	45	Acenaphthene +	153	3.430	3.430	(1.005)	1910062	95.1909	95.2
	46	2,4-Dinitrophenol ++	184	3.505	3.505	(1.027)	204982	64.0820	64.1(M1)
	49	4-Nitrophenol ++	109	3.650	3.644	(1.069)	57255	20.8224	20.8
	47	Dibenzofuran	168	3.537	3.537	(1.036)	2704650	100.843	101
	48	2,4-Dinitrotoluene	165	3.575	3.575	(1.047)	602793	91.1367	91.1
	50	Diethylphthalate	149	3.735	3.735	(1.094)	1841958	93.9257	93.9
	52	4-Chlorophenyl-phenylether	204	3.762	3.762	(1.102)	992563	93.5207	93.5
	51	Fluorene	166	3.741	3.741	(1.096)	2004671	91.4575	91.5
	53	4-Nitroaniline	138	3.805	3.805	(1.114)	410705	90.0158	90.0
	54	4,6-Dinitro-o-cresol	198	3.821	3.821	(0.890)	314139	84.6448	84.6
	55	N-nitrosodiphenylamine (1)+	169	3.848	3.848	(0.897)	1303500	104.725	105
	56	Azobenzene	77	3.858	3.858	(0.899)	3291587	108.556	109
$	57	2,4,6-Tribromophenol	332	3.896	3.896	(1.141)	259637	93.1230	93.1
	58	4-Bromophenyl-phenylether	248	4.051	4.051	(0.944)	460001	100.456	100
	59	Hexachlorobenzene	284	4.072	4.072	(0.949)	570167	97.0819	97.1
	60	Pentachlorophenol +	266	4.217	4.217	(0.983)	235012	66.3687	66.4

170837

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
*	61 Phenanthrene-d10	188	4.292	4.292	(1.000)	1000418	40.0000	
	62 Phenanthrene	178	4.308	4.308	(1.004)	2390991	92.5632	92.6
	63 Anthracene	178	4.340	4.340	(1.011)	2444409	97.2399	97.2
	64 Carbazole	167	4.463	4.463	(1.040)	2023220	92.3029	92.3
	65 Di-n-butylphthalate	149	4.719	4.719	(1.100)	2263393	89.0598	89.1
	67 Fluoranthene +	202	5.014	5.014	(1.168)	2050383	80.7077	80.7
	68 Benzidine	184	5.137	5.137	(0.871)	145954	388.140	388(AR)
	69 Pyrene	202	5.142	5.142	(0.872)	2054084	82.7701	82.8
$	70 Terphenyl-d14	244	5.276	5.276	(0.895)	711411	44.2427	44.2
	71 Butylbenzylphthalate	149	5.607	5.607	(0.951)	848316	87.8859	87.9
	73 3,3'-Dichlorobenzidine	252	5.912	5.912	(1.003)	689460	112.590	113
	72 Benzo(a)anthracene	228	5.891	5.891	(0.999)	1877045	91.3497	91.3
*	74 Chrysene-d12	240	5.896	5.902	(1.000)	717078	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.014	6.014	(1.020)	1059589	86.7992	86.8
	75 Chrysene	228	5.917	5.918	(1.004)	2313516	98.7348	98.7
	77 Di-n-octylphthalate +	149	6.474	6.474	(1.098)	1948990	92.0195	92.0
	78 Benzo(b)fluoranthene	252	6.629	6.629	(0.963)	1777471	101.391	101
	79 Benzo(k)fluoranthene	252	6.645	6.645	(0.966)	3008560	124.956	125(R)
	80 Benzo(a)pyrene +	252	6.843	6.843	(0.995)	2169009	112.551	113
*	81 Perylene-d12	264	6.880	6.880	(1.000)	628679	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.592	7.586	(1.288)	2064793	136.201	136(RM2)
	83 Dibenzo(a,h)anthracene	278	7.613	7.608	(1.107)	2479058	123.601	124
	84 Benzo(g,h,i)perylene	276	7.752	7.747	(1.127)	2899293	123.601	124
M	66 Total Methylphenol	108				1751192	103.436	103
	91 Acetophenone	105	1.842	1.842	(1.194)	2161022	92.2195	92.2
	155 Benzaldehyde	77	1.221	1.221	(0.792)	1517984	224.000	224(AR)
	156 Caprolactam	113	2.676	2.687	(1.134)	97116	26.1687	26.2
	157 Biphenyl	154	3.088	3.088	(1.308)	2595187	91.7398	91.7
	158 Atrazine	200	4.201	4.195	(0.979)	470210	192.277	192(R)
	174 1,4-Dioxane	88	0.259	0.259	(0.168)	168344	89.0693	89.1(M1)

QC Flag Legend

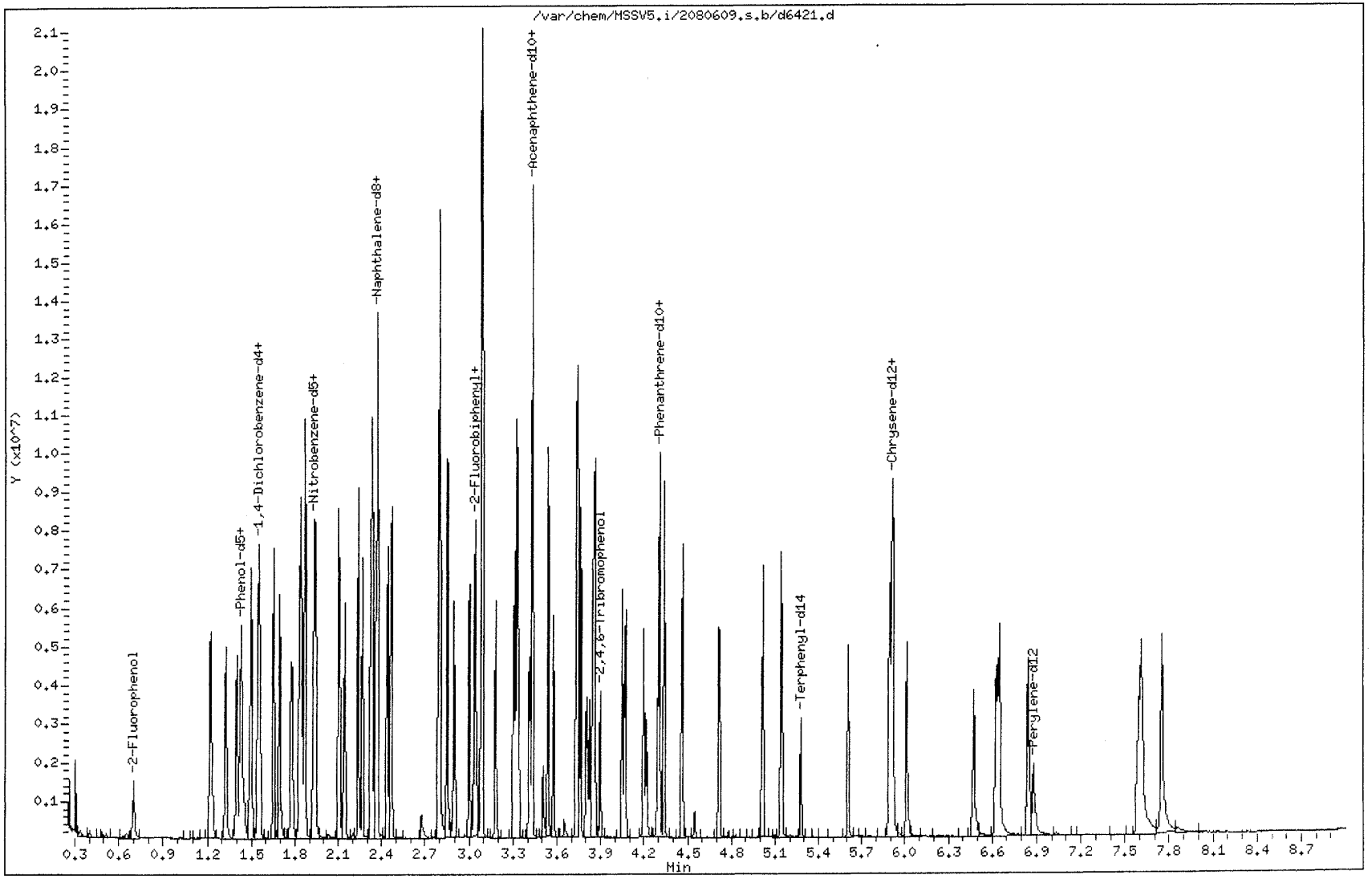
A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.

170838

Data File: /var/chem/MSSV5.i/2080609.s.b/d6421.d
Date : 09-JUN-2008 09:52
Client ID: 0607LCS
Sample Info: 611831*LCS
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i

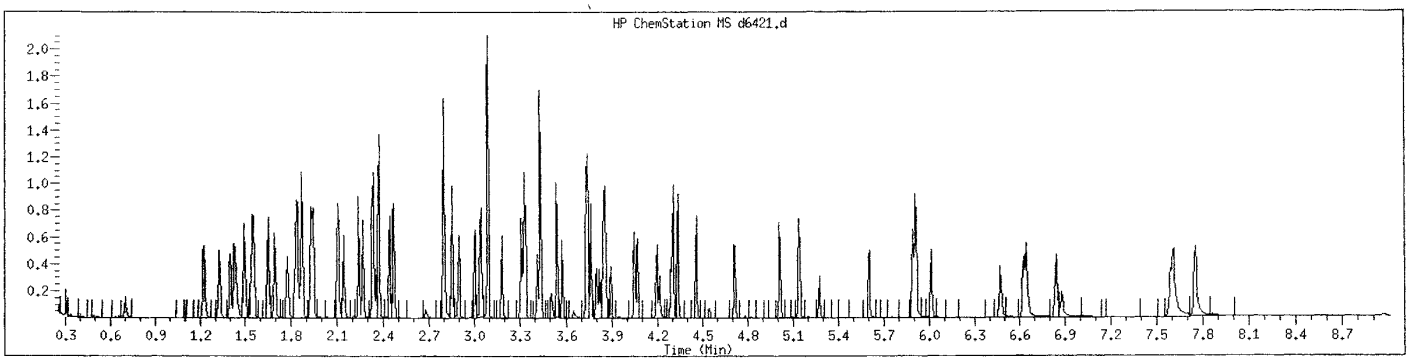
Operator: KCB
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2080609.s.b/d6421.d Page: 1
Report Date: 06/11/2008 15:59

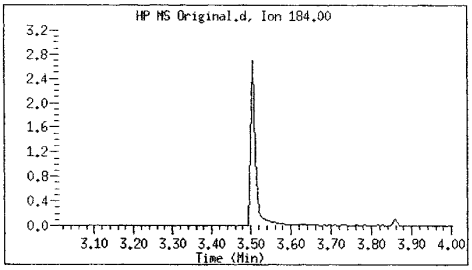
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 611831 SampleType : LCS
Injection Date: 06/09/2008 09:52 Instrument : MSSV5.i
Operator : KCB
Sample Info : 611831*LCS
Misc Info : 0607LCS*MSSV~5025~*LCS*1000-1*375086*
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Dilution : 1.00
Matrix : WATER
Integrator : HP RTE Compound Sublist: SA8270



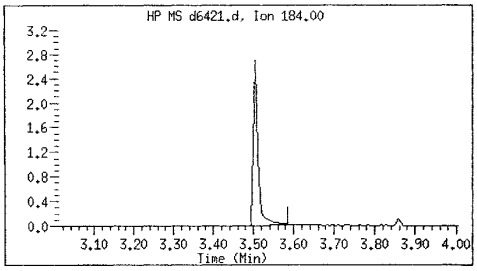
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1

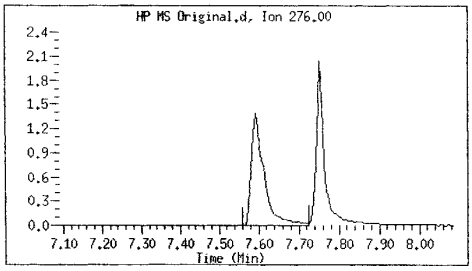


Electronic Signature Applied

User: root
Date: 06/09/2008 11:58



82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



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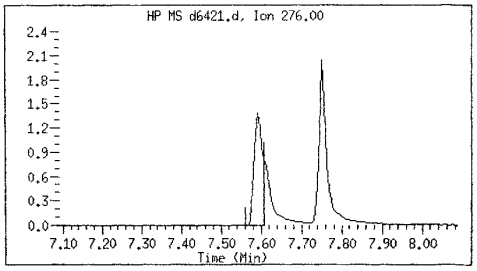
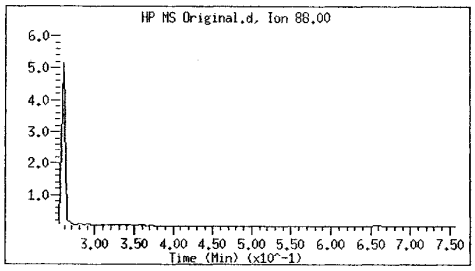
User: root
Date: 06/09/2008 11:59



170840

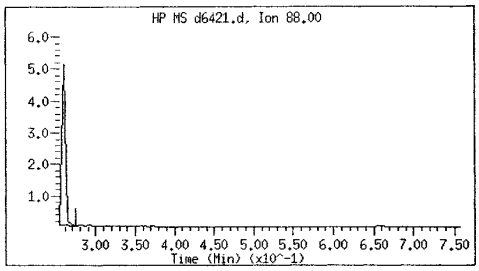
Original Final

174 1,4-Dioxane CAS#: 123-91-1 Reason: M1



Electronic Signature
Applied

User: root
Date: 06/09/2008 11:59



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

170841

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 **Case No.:**
SAS No.: **SDG No.:** 208060522
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: LCSD611832
Contract:
Lab File ID: 2080609/d6422
Lab Sample ID: 611832
Date Collected: **Time:**
Date Received:
Date Extracted: 06/07/08
Date Analyzed: 06/09/08 **Time:** 1009
Dilution Factor: 1 **Analyst:** KCB
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375086 **Analytical Batch:** 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	0.096		0.000088	0.010
120-12-7	Anthracene	0.085		0.000102	0.010
56-55-3	Benzo(a)anthracene	0.088		0.000079	0.010
92-87-5	Benzidine	0.574	E	0.00718	0.050
205-99-2	Benzo(b)fluoranthene	0.112		0.000165	0.010
207-08-9	Benzo(k)fluoranthene	0.093		0.000066	0.010
191-24-2	Benzo(g,h,i)perylene	0.107		0.000141	0.010
50-32-8	Benzo(a)pyrene	0.099		0.000150	0.010
65-85-0	Benzoic acid	0.050	U	0.00100	0.050
85-68-7	Butylbenzylphthalate	0.083		0.000356	0.010
111-91-1	Bis(2-Chloroethoxy)methane	0.086		0.000241	0.010
111-44-4	Bis(2-Chloroethyl)ether	0.078		0.000470	0.010
108-60-1	bis(2-Chloroisopropyl)ether	0.076		0.000528	0.010
117-81-7	bis(2-ethylhexyl)phthalate	0.080		0.00191	0.010
101-55-3	4-Bromophenyl-phenylether	0.094		0.000366	0.010
86-74-8	Carbazole	0.082		0.000293	0.010
7005-72-3	4-Chlorophenyl-phenylether	0.082		0.000346	0.010
218-01-9	Chrysene	0.079		0.000056	0.010
53-70-3	Dibenz(a,h)anthracene	0.112		0.000257	0.010
132-64-9	Dibenzofuran	0.089		0.000320	0.010
91-94-1	3,3'-Dichlorobenzidine	0.102		0.00208	0.020
120-83-2	2,4-Dichlorophenol	0.081		0.000387	0.010
84-66-2	Diethylphthalate	0.080		0.000257	0.010
105-67-9	2,4-Dimethylphenol	0.061		0.00131	0.010
131-11-3	Dimethyl-phthalate	0.083		0.000206	0.010
117-84-0	Di-n-octylphthalate	0.077		0.000889	0.010
51-28-5	2,4-Dinitrophenol	0.056		0.00112	0.050
606-20-2	2,6-Dinitrotoluene	0.066		0.000410	0.010
206-44-0	Fluoranthene	0.075		0.000155	0.010

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: LCSD611832
Contract:
Lab File ID: 2080609/d6422
Lab Sample ID: 611832
Date Collected: Time:
Date Received:
Date Extracted: 06/07/08
Date Analyzed: 06/09/08 Time: 1009
Dilution Factor: 1 Analyst: KCB
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375086 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	0.082		0.000110	0.010
118-74-1	Hexachlorobenzene	0.088		0.000256	0.010
77-47-4	Hexachlorocyclopentadiene	0.074		0.000597	0.010
67-72-1	Hexachloroethane	0.074		0.000842	0.010
78-59-1	Isophorone	0.087		0.000240	0.010
193-39-5	Indeno(1,2,3-cd)pyrene	0.118		0.000158	0.010
91-57-6	2-Methylnaphthalene	0.099		0.000102	0.010
95-48-7	o-Cresol	0.050		0.000327	0.010
98-95-3	Nitrobenzene	0.075		0.000362	0.010
88-75-5	2-Nitrophenol	0.084		0.000522	0.010
62-75-9	N-Nitrosodimethylamine	0.042		0.00101	0.010
86-30-6	N-Nitrosodiphenylamine	0.093		0.000510	0.010
85-01-8	Phenanthrene	0.082		0.000137	0.010
95-95-4	2,4,5-Trichlorophenol	0.084		0.000406	0.010
88-06-2	2,4,6-Trichlorophenol	0.087		0.000420	0.010
100-51-6	Benzyl alcohol	0.063		0.000442	0.010
62-53-3	Aniline	0.201	E	0.000556	0.010
110-86-1	Pyridine	0.035		0.000349	0.010
105-60-2	Caprolactam	0.022		0.00258	0.010
98-86-2	Acetophenone	0.088		0.000371	0.010
99-09-2	3-Nitroaniline	0.089		0.000400	0.050
100-01-6	4-Nitroaniline	0.074		0.000564	0.050
84-74-2	Di-n-butylphthalate	0.080		0.000944	0.010
122-66-7	1,2 Diphenylhydrazine	0.097		0.000204	0.010
88-74-4	2-Nitroaniline	0.086		0.000267	0.050
91-58-7	2-Chloronaphthalene	0.090		0.000343	0.010
106-47-8	4-Chloroaniline	0.143		0.000786	0.010
1912-24-9	Atrazine (Aatrex)	0.180		0.00205	0.050
100-52-7	Benzaldehyde	0.226	E	0.00121	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: LCSD611832
Contract:
Lab File ID: 2080609/d6422
Lab Sample ID: 611832
Date Collected: Time:
Date Received:
Date Extracted: 06/07/08
Date Analyzed: 06/09/08 Time: 1009
Dilution Factor: 1 Analyst: KCB
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375086 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	0.091		0.000341	0.010
1319-77-3M	m,p-Cresol	0.043		0.000295	0.010
534-52-1	2-Methyl-4,6-dinitrophenol	0.076		0.000284	0.050
108-95-2	Phenol	0.018		0.000325	0.010
95-57-8	2-Chlorophenol	0.061		0.000344	0.010
621-64-7	N-Nitroso-di-n-propylamine	0.085		0.000313	0.010
59-50-7	4-Chloro-3-methylphenol	0.069		0.000408	0.010
83-32-9	Acenaphthene	0.084		0.000135	0.010
100-02-7	4-Nitrophenol	0.016	J	0.00201	0.050
121-14-2	2,4-Dinitrotoluene	0.078		0.000464	0.010
87-86-5	Pentachlorophenol	0.060		0.00106	0.050
129-00-0	Pyrene	0.083		0.000089	0.010

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080609.s.b/d6422.d
Lab Smp Id: 611832 Client Smp ID: 0607LCSD
Inj Date : 09-JUN-2008 10:09
Operator : KCB Inst ID: MSSV5.i
Smp Info : 611832*LCSD
Misc Info : 0607LCSD*MSSV~5025~*LCSD*1000-1*375086*
Comment :
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Meth Date : 09-Jun-2008 10:06 root Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.d
Als bottle: 8 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)	FINAL (ug/L)
	2 Pyridine	79	0.302	0.301	(0.196)	261241	35.3990	35.4
	1 n-Nitrosodimethylamine	42	0.302	0.296	(0.196)	40187	42.1809	42.2
$	3 2-Fluorophenol	112	0.697	0.697	(0.452)	345765	31.5276	31.5
$	4 Phenol-d5	99	1.430	1.425	(0.927)	550700	21.9139	21.9
	5 Aniline	93	1.323	1.323	(0.858)	2118058	201.151	201(AR)
	6 Phenol +	94	1.441	1.430	(0.934)	503810	18.3882	18.4
	7 bis(-2-Chloroethyl)Ether	63	1.398	1.398	(0.906)	1116128	77.9241	77.9
	8 2-Chlorophenol	128	1.425	1.425	(0.924)	974371	61.0211	61.0
	9 1,3-Dichlorobenzene	146	1.494	1.494	(0.969)	1413345	75.2452	75.2
*	10 1,4-Dichlorobenzene-d4	152	1.542	1.537	(1.000)	490751	40.0000	
	11 1,4-Dichlorobenzene +	146	1.553	1.548	(1.007)	1445778	76.8233	76.8
	12 Benzyl alcohol	108	1.692	1.692	(1.097)	805952	62.8020	62.8
	13 1,2-Dichlorobenzene	146	1.649	1.649	(1.069)	1371489	76.9008	76.9

170845

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	15 2-Methylphenol	108	1.826	1.826	(1.184)	853639	49.8033	49.8
	14 Bis(2-chloroisopropyl)ether	45	1.778	1.772	(1.153)	1470594	75.7962	75.8
	17 3- & 4-Methylphenol	108	1.928	1.927	(1.250)	772971	42.7896	42.8
	16 N-Nitroso-di-n-propylamine++	70	1.874	1.869	(1.215)	1420686	84.7027	84.7
	18 Hexachloroethane	117	1.863	1.863	(1.208)	607242	73.7525	73.8
$	19 Nitrobenzene-d5	82	1.933	1.927	(0.819)	1073952	46.7503	46.8
	20 Nitrobenzene	77	1.944	1.938	(0.823)	2520006	75.1959	75.2
	21 Isophorone	82	2.104	2.104	(0.891)	3767793	86.5925	86.6
	22 2-Nitrophenol +	139	2.142	2.141	(0.907)	676831	83.6522	83.7
	23 2,4-Dimethyphenol	107	2.238	2.238	(0.948)	1209055	60.7257	60.7
	24 bis(-2-Chloroethoxy)methane	93	2.270	2.264	(0.961)	2064907	85.6404	85.6
	26 2,4-Dichlorophenol +	162	2.323	2.329	(0.984)	947499	80.9236	80.9
	27 1,2,4-Trichlorobenzene	180	2.334	2.334	(0.989)	1195730	81.5294	81.5
*	28 Naphthalene-d8	136	2.361	2.355	(1.000)	1765704	40.0000	
	29 Naphthalene	128	2.372	2.371	(1.005)	3708856	80.5944	80.6
	30 4-Chloroaniline	127	2.441	2.441	(1.034)	1396203	142.634	143(R)
	31 Hexachlorobutadiene +	225	2.468	2.462	(1.045)	780394	78.4358	78.4
	32 4-Chloro-3-Methylphenol +	107	2.799	2.805	(1.186)	1015237	69.1673	69.2
	33 2-Methylnaphthalene	142	2.794	2.794	(1.183)	3043996	99.1875	99.2
	145 1-Methylnapthalene	142	2.853	2.847	(1.208)	2030183	77.0696	77.1
	34 Hexachlorocyclopentadiene ++	237	2.896	2.896	(0.848)	624564	73.9267	73.9
	35 2,4,6-Trichlorophenol +	196	3.003	3.003	(0.879)	674319	87.2814	87.3
	36 2,4,5-Trichlorphenol	196	3.040	3.051	(0.890)	666228	83.7801	83.8
$	37 2-Fluorobiphenyl	172	3.035	3.035	(0.889)	1304032	48.1555	48.2
	38 2-Chloronaphthalene	162	3.083	3.083	(0.903)	2183976	90.1886	90.2
	39 2-Nitroaniline	138	3.179	3.179	(0.931)	666736	86.2581	86.3
	40 Dimethylphthalate	163	3.308	3.307	(0.969)	2055508	83.3295	83.3
	41 2,6-Dinitrotoluene	165	3.340	3.334	(0.978)	507953	65.8023	65.8
	42 Acenaphthylene	152	3.324	3.323	(0.973)	3379111	96.0134	96.0
	43 3-Nitroaniline	138	3.436	3.430	(1.006)	480544	89.3990	89.4
*	44 Acenaphthene-d10	164	3.414	3.414	(1.000)	868137	40.0000	
	45 Acenaphthene +	153	3.431	3.430	(1.005)	1962865	83.8168	83.8
	46 2,4-Dinitrophenol ++	184	3.505	3.505	(1.027)	203860	55.4992	55.5(M1)
	49 4-Nitrophenol ++	109	3.655	3.644	(1.070)	51566	16.0684	16.1
	47 Dibenzofuran	168	3.543	3.537	(1.038)	2798463	89.4017	89.4
	48 2,4-Dinitrotoluene	165	3.575	3.575	(1.047)	601567	77.9294	77.9
	50 Diethylphthalate	149	3.735	3.735	(1.094)	1830472	79.9761	80.0
	52 4-Chlorophenyl-phenylether	204	3.768	3.762	(1.103)	1018828	82.2514	82.3
	51 Fluorene	166	3.746	3.741	(1.097)	2084392	81.4794	81.5
	53 4-Nitroaniline	138	3.805	3.805	(1.114)	394258	74.0392	74.0
	54 4,6-Dinitro-o-cresol	198	3.821	3.821	(0.889)	315315	75.5829	75.6
	55 N-nitrosodiphenylamine (1)+	169	3.848	3.848	(0.895)	1300418	92.4565	92.5
	56 Azobenzene	77	3.858	3.858	(0.898)	3322414	96.9651	97.0
$	57 2,4,6-Tribromophenol	332	3.896	3.896	(1.141)	268983	82.6624	82.7
	58 4-Bromophenyl-phenylether	248	4.051	4.051	(0.943)	486844	94.0850	94.1
	59 Hexachlorobenzene	284	4.072	4.072	(0.948)	585040	88.1529	88.2
	60 Pentachlorophenol +	266	4.217	4.217	(0.981)	236326	59.4874	59.5

170846

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
*	61	Phenanthrene-d10	188	4.297	4.292	(1.000)	1130490	40.0000	
	62	Phenanthrene	178	4.308	4.308	(1.002)	2401934	82.2880	82.3
	63	Anthracene	178	4.340	4.340	(1.010)	2401992	84.5585	84.6
	64	Carbazole	167	4.463	4.463	(1.039)	2018140	81.4776	81.5
	65	Di-n-butylphthalate	149	4.720	4.719	(1.098)	2309466	80.4170	80.4
	67	Fluoranthene +	202	5.019	5.014	(1.168)	2156674	75.1241	75.1
	68	Benzidine	184	5.137	5.137	(0.870)	226752	573.999	574(AR)
	69	Pyrene	202	5.142	5.142	(0.871)	2172073	83.3138	83.3
$	70	Terphenyl-d14	244	5.276	5.276	(0.894)	804895	47.6483	47.6
	71	Butylbenzylphthalate	149	5.607	5.607	(0.950)	841366	82.9724	83.0
	73	3,3'-Dichlorobenzidine	252	5.912	5.912	(1.002)	654354	101.716	102
	72	Benzo(a)anthracene	228	5.891	5.891	(0.998)	1897962	88.0291	88.0
*	74	Chrysene-d12	240	5.902	5.902	(1.000)	753319	40.0000	
	76	bis(2-Ethylhexyl)phthalate	149	6.014	6.014	(1.019)	1022726	79.7490	79.7
	75	Chrysene	228	5.918	5.918	(1.003)	1939685	78.7982	78.8
	77	Di-n-octylphthalate +	149	6.474	6.474	(1.097)	1690667	76.8468	76.8
	78	Benzo(b)fluoranthene	252	6.629	6.629	(0.963)	1999702	112.249	112
	79	Benzo(k)fluoranthene	252	6.645	6.645	(0.966)	2240754	92.6788	92.7
	80	Benzo(a)pyrene +	252	6.843	6.843	(0.995)	1912115	99.2663	99.3
*	81	Perylene-d12	264	6.880	6.880	(1.000)	631308	40.0000	
	82	Indeno(1,2,3-cd)pyrene	276	7.592	7.586	(1.286)	1777530	118.159	118(M2)
	83	Dibenzo(a,h)anthracene	278	7.613	7.608	(1.107)	2211174	111.813	112
	84	Benzo(g,h,i)perylene	276	7.752	7.747	(1.127)	2459074	106.813	107
M	66	Total Methylphenol	108				1626610	92.5929	92.6
	91	Acetophenone	105	1.842	1.842	(1.194)	2131780	87.7007	87.7
	155	Benzaldehyde	77	1.222	1.221	(0.792)	1585156	225.502	226(AR)
	156	Caprolactam	113	2.676	2.687	(1.134)	88023	22.2507	22.3
	157	Biphenyl	154	3.088	3.088	(1.308)	2734828	90.6933	90.7
	158	Atrazine	200	4.201	4.195	(0.978)	467061	180.303	180(R)
	174	1,4-Dioxane	88	0.259	0.259	(0.168)	159764	81.4904	81.5(M1)

QC Flag Legend

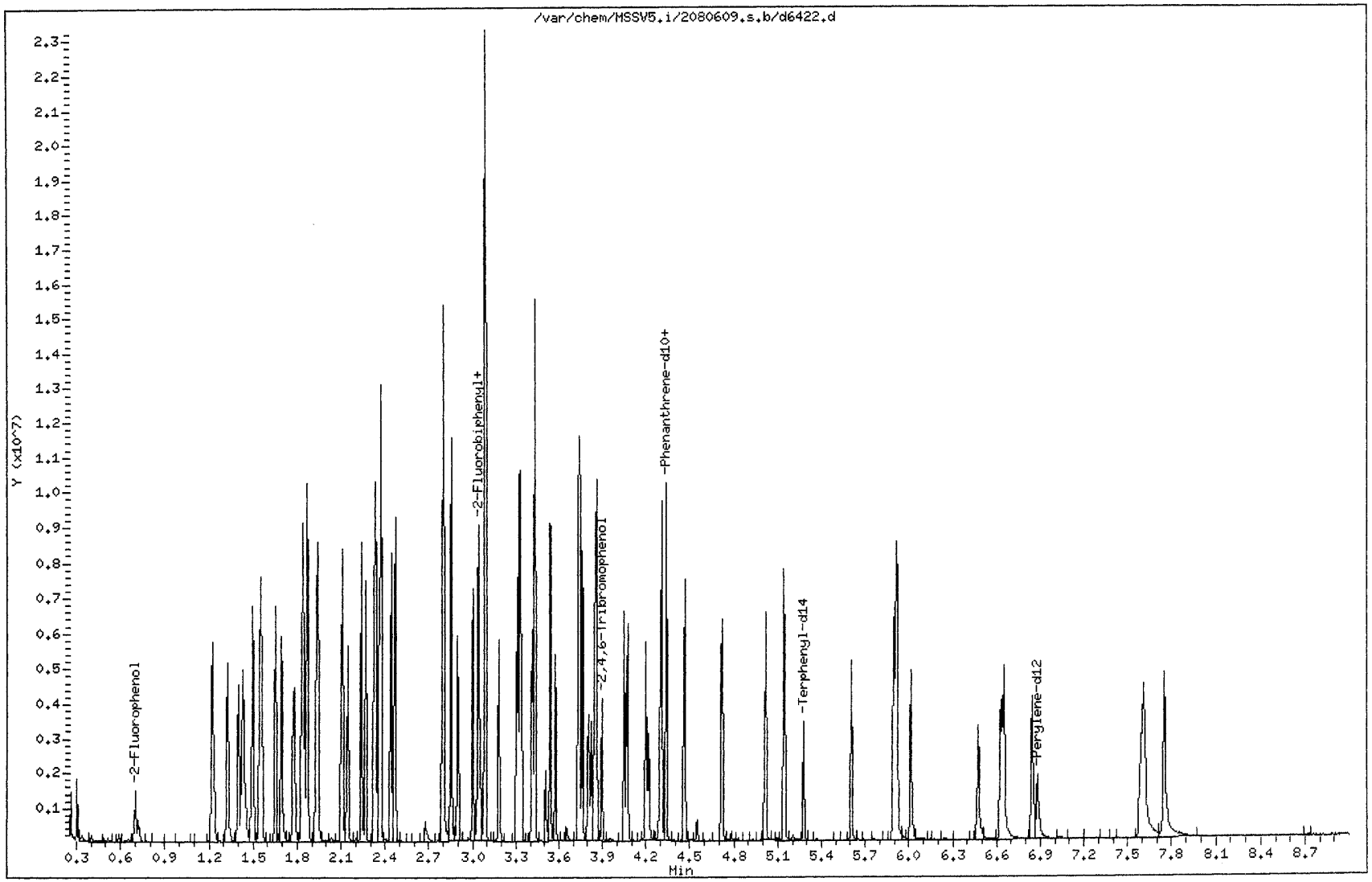
A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.

170847

Data File: /var/chem/MSSV5.i/2080609.s.b/d6422.d
Date : 09-JUN-2008 10:09
Client ID: 0607LCSD
Sample Info: 611832*LCSD
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i

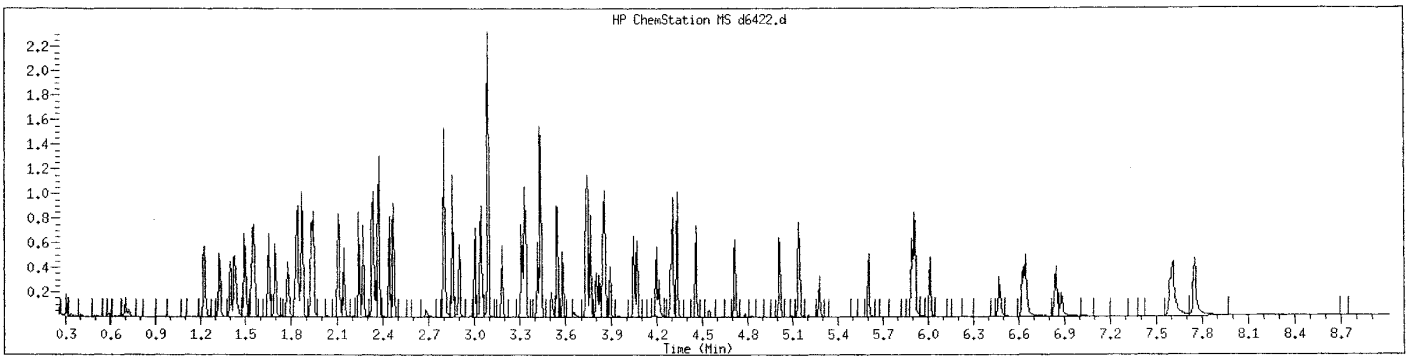
Operator: KCB
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2080609.s.b/d6422.d Page: 1
Report Date: 06/09/2008 12:16

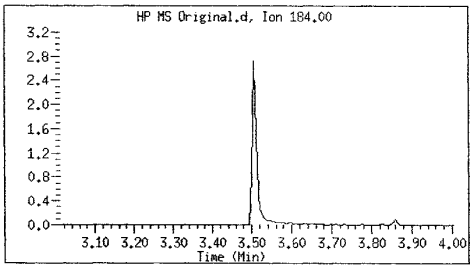
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 611832	SampleType	: LCSD
Injection Date	: 06/09/2008 10:09	Instrument	: MSSV5.i
Operator	: KCB		
Sample Info	: 611832*LCSD		
Misc Info	: 0607LCSD*MSSV~5025~*LCSD*1000-1*375086*		
Method	: /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m		
Dilution	: 1.00		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: SA8270



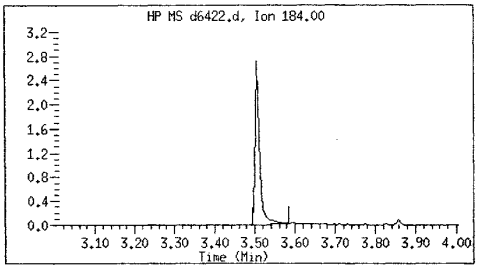
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1

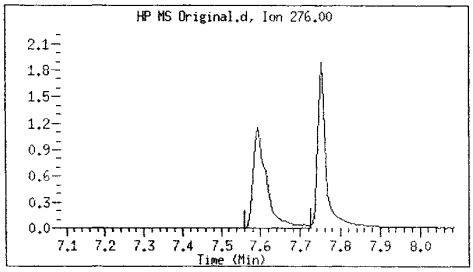


Electronic Signature Applied

User: root
Date: 06/09/2008 11:59



82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



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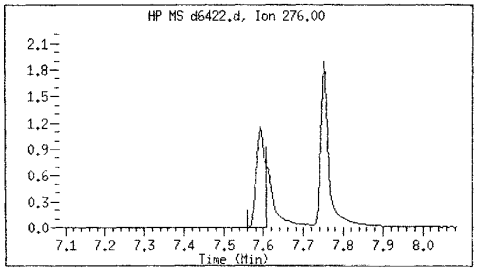
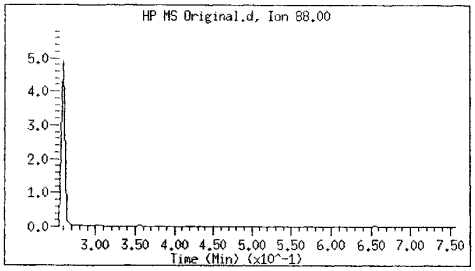
Date: 06/09/2008 12:00



170849

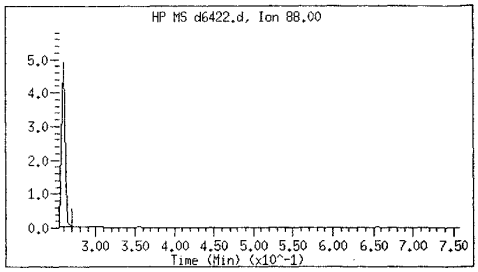
Original Final

174 1,4-Dioxane CAS#: 123-91-1 Reason: M1



Electronic Signature Applied

User: root
Date: 06/09/2008 12:00



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.: 208060522
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: LCS612545
Contract:
Lab File ID: 2080609/d6439
Lab Sample ID: 612545
Date Collected: Time:
Date Received:
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1432
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	3.26		0.00640	0.066
120-12-7	Anthracene	2.84		0.00590	0.066
56-55-3	Benzo(a)anthracene	2.83		0.00419	0.066
92-87-5	Benzidine	0.696	J	0.252	1.65
205-99-2	Benzo(b)fluoranthene	3.47		0.00977	0.330
207-08-9	Benzo(k)fluoranthene	3.80		0.00881	0.330
191-24-2	Benzo(g,h,i)perylene	3.31		0.00715	0.330
50-32-8	Benzo(a)pyrene	3.35		0.00714	0.066
65-85-0	Benzoic acid	2.37		0.032	1.65
85-68-7	Butylbenzylphthalate	3.27		0.00760	0.330
111-91-1	Bis(2-Chloroethoxy)methane	2.76		0.00746	0.330
111-44-4	Bis(2-Chloroethyl)ether	2.66		0.029	0.330
108-60-1	bis(2-Chloroisopropyl)ether	2.55		0.033	0.330
117-81-7	bis(2-ethylhexyl)phthalate	3.19		0.038	0.066
101-55-3	4-Bromophenyl-phenylether	3.22		0.00603	0.330
86-74-8	Carbazole	2.64		0.00765	0.330
7005-72-3	4-Chlorophenyl-phenylether	2.97		0.00641	0.330
218-01-9	Chrysene	2.91		0.00625	0.330
53-70-3	Dibenz(a,h)anthracene	3.21		0.00545	0.066
132-64-9	Dibenzofuran	3.10		0.00505	0.330
91-94-1	3,3'-Dichlorobenzidine	2.36		0.023	0.660
120-83-2	2,4-Dichlorophenol	2.96		0.00778	0.330
84-66-2	Diethylphthalate	2.83		0.00630	0.330
105-67-9	2,4-Dimethylphenol	2.88		0.00882	0.330
131-11-3	Dimethyl-phthalate	2.97		0.00509	0.330
117-84-0	Di-n-octylphthalate	2.72		0.018	0.330
51-28-5	2,4-Dinitrophenol	1.79		0.016	1.65
606-20-2	2,6-Dinitrotoluene	2.25		0.00567	0.330
206-44-0	Fluoranthene	2.39		0.00536	0.330

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: LCS612545
Contract:
Lab File ID: 2080609/d6439
Lab Sample ID: 612545
Date Collected: Time:
Date Received:
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1432
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	2.80		0.00546	0.066
118-74-1	Hexachlorobenzene	3.11		0.011	0.330
77-47-4	Hexachlorocyclopentadiene	2.79		0.019	0.330
67-72-1	Hexachloroethane	2.54		0.029	0.330
78-59-1	Isophorone	2.84		0.00749	0.330
193-39-5	Indeno(1,2,3-cd)pyrene	2.53		0.010	0.330
91-57-6	2-Methylnaphthalene	3.00		0.00803	0.066
95-48-7	o-Cresol	2.89		0.017	0.330
98-95-3	Nitrobenzene	2.84		0.040	0.330
88-75-5	2-Nitrophenol	2.90		0.00959	0.330
62-75-9	N-Nitrosodimethylamine	3.99		0.097	0.330
86-30-6	N-Nitrosodiphenylamine	3.16		0.00564	0.330
85-01-8	Phenanthrene	2.83		0.00578	0.066
95-95-4	2,4,5-Trichlorophenol	3.04		0.00654	0.330
88-06-2	2,4,6-Trichlorophenol	3.04		0.00755	0.330
100-51-6	Benzyl alcohol	2.88		0.010	0.330
62-53-3	Aniline	6.59		0.018	0.330
110-86-1	Pyridine	1.99		0.016	0.330
105-60-2	Caprolactam	3.22		0.00978	0.330
98-86-2	Acetophenone	2.74		0.00818	0.330
99-09-2	3-Nitroaniline	2.18		0.031	1.65
100-01-6	4-Nitroaniline	2.19		0.00804	1.65
84-74-2	Di-n-butylphthalate	2.81		0.00664	0.330
122-66-7	1,2 Diphenylhydrazine	3.17		0.00966	0.330
88-74-4	2-Nitroaniline	2.89		0.00584	1.65
91-58-7	2-Chloronaphthalene	3.08		0.00901	0.330
106-47-8	4-Chloroaniline	2.67		0.00400	0.330
1912-24-9	Atrazine (Aatrex)	5.90		0.016	0.660
100-52-7	Benzaldehyde	1.08		0.026	0.660

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208060522

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: LCS612545

Contract:

Lab File ID: 2080609/d6439

Lab Sample ID: 612545

Date Collected: Time:

Date Received:

Date Extracted: 06/09/08

Date Analyzed: 06/09/08 Time: 1432

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV5

Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	2.97		0.00551	0.330
1319-77-3M	m,p-Cresol	2.91		0.00965	0.330
534-52-1	2-Methyl-4,6-dinitrophenol	2.51		0.039	1.65
108-95-2	Phenol	2.73		0.010	0.330
95-57-8	2-Chlorophenol	2.75		0.014	0.330
621-64-7	N-Nitroso-di-n-propylamine	2.71		0.00984	0.066
59-50-7	4-Chloro-3-methylphenol	2.53		0.00806	0.330
83-32-9	Acenaphthene	2.87		0.00887	0.066
100-02-7	4-Nitrophenol	2.77		0.034	1.65
121-14-2	2,4-Dinitrotoluene	2.79		0.021	0.330
87-86-5	Pentachlorophenol	2.30		0.017	1.65
129-00-0	Pyrene	3.25		0.00676	0.330

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080609.s.b/d6439.d
Lab Smp Id: 612545 Client Smp ID: 0609LCS
Inj Date : 09-JUN-2008 14:32
Operator : KCB Inst ID: MSSV5.i
Smp Info : 612545*LCS
Misc Info : 0609LCS*MSSV~5025~*LCS*30.0-1*375218*
Comment :
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Meth Date : 09-Jun-2008 10:06 root Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.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/(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	Weigth 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	0.312	0.301	(0.202)	668091	59.7851	1990
	1 n-Nitrosodimethylamine	42	0.312	0.296	(0.202)	273714	119.565	3990
$	3 2-Fluorophenol	112	0.703	0.697	(0.454)	1404882	88.3475	2940
$	4 Phenol-d5	99	1.425	1.425	(0.921)	3086002	84.6925	2820
	5 Aniline	93	1.334	1.323	(0.862)	3042129	197.772	6590(R)
	6 Phenol +	94	1.430	1.430	(0.924)	3258897	82.0326	2730
	7 bis(-2-Chloroethyl)Ether	63	1.403	1.398	(0.907)	1658276	79.8471	2660
	8 2-Chlorophenol	128	1.430	1.425	(0.924)	1910879	82.5341	2750
	9 1,3-Dichlorobenzene	146	1.500	1.494	(0.969)	2065226	75.8302	2530
*	10 1,4-Dichlorobenzene-d4	152	1.548	1.537	(1.000)	711569	40.0000	
	11 1,4-Dichlorobenzene +	146	1.558	1.548	(1.007)	2123073	77.8037	2590

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
	12 Benzyl alcohol	108	1.703	1.692	(1.100)	1609650	86.5048	2880
	13 1,2-Dichlorobenzene	146	1.655	1.649	(1.069)	2056959	79.5442	2650
	15 2-Methylphenol	108	1.826	1.826	(1.180)	2153129	86.6360	2890
	14 Bis(2-chloroisopropyl)ether	45	1.778	1.772	(1.149)	2150007	76.4256	2550
	17 3- & 4-Methylphenol	108	1.927	1.927	(1.245)	2287671	87.3400	2910
	16 N-Nitroso-di-n-propylamine++	70	1.879	1.869	(1.214)	1978520	81.3549	2710
	18 Hexachloroethane	117	1.863	1.863	(1.204)	908440	76.0949	2540
$	19 Nitrobenzene-d5	82	1.933	1.927	(0.819)	1325932	40.1278	1340
	20 Nitrobenzene	77	1.949	1.938	(0.826)	4099981	85.0548	2840
	21 Isophorone	82	2.109	2.104	(0.893)	5332108	85.1956	2840
	22 2-Nitrophenol +	139	2.147	2.141	(0.909)	1012021	86.9583	2900
	23 2,4-Dimethyphenol	107	2.238	2.238	(0.948)	2477995	86.5270	2880
	24 bis(-2-Chloroethoxy)methane	93	2.270	2.264	(0.961)	2874601	82.8858	2760
	25 Benzoic Acid	122	2.404	2.387	(1.018)	697073	71.1768	2370
	26 2,4-Dichlorophenol +	162	2.323	2.329	(0.984)	1493304	88.6685	2960
	27 1,2,4-Trichlorobenzene	180	2.334	2.334	(0.989)	1791372	84.9164	2830
*	28 Naphthalene-d8	136	2.361	2.355	(1.000)	2539764	40.0000	
	29 Naphthalene	128	2.371	2.371	(1.005)	5508782	83.2233	2770
	30 4-Chloroaniline	127	2.441	2.441	(1.034)	1336714	79.9648	2670
	31 Hexachlorobutadiene +	225	2.468	2.462	(1.045)	1192315	83.2498	2770
	32 4-Chloro-3-Methylphenol +	107	2.805	2.805	(1.188)	1601928	75.8754	2530
	33 2-Methylnaphthalene	142	2.794	2.794	(1.184)	3913108	89.8852	3000(M2)
	145 1-Methylnapthalene	142	2.853	2.847	(1.208)	2909618	76.7907	2560
	34 Hexachlorocyclopentadiene ++	237	2.896	2.896	(0.848)	986602	83.6834	2790
	35 2,4,6-Trichlorophenol +	196	3.003	3.003	(0.879)	973531	91.2869	3040
	36 2,4,5-Trichlorphenol	196	3.051	3.051	(0.893)	999751	91.0777	3040
$	37 2-Fluorobiphenyl	172	3.035	3.035	(0.889)	1655665	44.2927	1480
	38 2-Chloronaphthalene	162	3.088	3.083	(0.904)	3088525	92.3969	3080
	39 2-Nitroaniline	138	3.184	3.179	(0.933)	924247	86.6236	2890
	40 Dimethylphthalate	163	3.313	3.307	(0.970)	3029899	88.9836	2970
	41 2,6-Dinitrotoluene	165	3.340	3.334	(0.978)	718380	67.4177	2250
	42 Acenaphthylene	152	3.329	3.323	(0.975)	4746356	97.6994	3260
	43 3-Nitroaniline	138	3.436	3.430	(1.006)	484242	65.2626	2180
*	44 Acenaphthene-d10	164	3.414	3.414	(1.000)	1198356	40.0000	
	45 Acenaphthene +	153	3.436	3.430	(1.006)	2783826	86.1162	2870
	46 2,4-Dinitrophenol ++	184	3.505	3.505	(1.027)	271002	53.6710	1790(M1)
	49 4-Nitrophenol ++	109	3.634	3.644	(1.064)	368239	83.1269	2770
	47 Dibenzofuran	168	3.543	3.537	(1.038)	4015756	92.9385	3100
	48 2,4-Dinitrotoluene	165	3.580	3.575	(1.049)	892455	83.7541	2790
	50 Diethylphthalate	149	3.741	3.735	(1.096)	2679462	84.8100	2830
	52 4-Chlorophenyl-phenylether	204	3.767	3.762	(1.103)	1524697	89.1720	2970
	51 Fluorene	166	3.746	3.741	(1.097)	2970628	84.1239	2800
	53 4-Nitroaniline	138	3.810	3.805	(1.116)	482096	65.5869	2190
	54 4,6-Dinitro-o-cresol	198	3.826	3.821	(0.890)	460585	75.1704	2510
	55 N-nitrosodiphenylamine (1)+	169	3.848	3.848	(0.895)	1961123	94.9074	3160
	56 Azobenzene	77	3.858	3.858	(0.898)	4789370	95.1438	3170
$	57 2,4,6-Tribromophenol	332	3.896	3.896	(1.141)	376742	83.8744	2800

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
	58 4-Bromophenyl-phenylether	248	4.051	4.051	(0.943)	734036	96.5581	3220
	59 Hexachlorobenzene	284	4.072	4.072	(0.948)	909161	93.2465	3110
	60 Pentachlorophenol +	266	4.217	4.217	(0.981)	407513	69.1495	2300
*	61 Phenanthrene-d10	188	4.297	4.292	(1.000)	1660833	40.0000	
	62 Phenanthrene	178	4.308	4.308	(1.002)	3638351	84.8439	2830
	63 Anthracene	178	4.340	4.340	(1.010)	3550887	85.0870	2840
	64 Carbazole	167	4.463	4.463	(1.039)	2883467	79.2397	2640
	65 Di-n-butylphthalate	149	4.719	4.719	(1.098)	3561853	84.4215	2810
	67 Fluoranthene +	202	5.014	5.014	(1.167)	3027466	71.7819	2390
	68 Benzidine	184	5.163	5.137	(0.876)	9719	20.8759	696
	69 Pyrene	202	5.142	5.142	(0.872)	2992777	97.4046	3250
$	70 Terphenyl-d14	244	5.276	5.276	(0.895)	1007416	50.6034	1690
	71 Butylbenzylphthalate	149	5.607	5.607	(0.951)	1173842	98.2248	3270
	73 3,3'-Dichlorobenzidine	252	5.912	5.912	(1.003)	537649	70.9153	2360
	72 Benzo(a)anthracene	228	5.891	5.891	(0.999)	2151345	84.7735	2830
*	74 Chrysene-d12	240	5.896	5.902	(1.000)	887802	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.014	6.014	(1.020)	1446628	95.7162	3190
	75 Chrysene	228	5.918	5.918	(1.004)	2531461	87.2608	2910
	77 Di-n-octylphthalate +	149	6.474	6.474	(1.098)	2125996	81.6639	2720
	78 Benzo(b)fluoranthene	252	6.629	6.629	(0.963)	1582178	103.989	3470
	79 Benzo(k)fluoranthene	252	6.645	6.645	(0.966)	2376610	114.066	3800(R)
	80 Benzo(a)pyrene +	252	6.843	6.843	(0.995)	1669389	100.518	3350
*	81 Perylene-d12	264	6.880	6.880	(1.000)	544040	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.592	7.586	(1.288)	1187975	75.9748	2530(M2)
	83 Dibenzo(a,h)anthracene	278	7.608	7.608	(1.106)	1604669	96.4410	3210
	84 Benzo(g,h,i)perylene	276	7.747	7.747	(1.126)	1952274	99.3978	3310
M	66 Total Methylphenol	108				4440800	173.976	5800
	91 Acetophenone	105	1.842	1.842	(1.190)	2892155	82.0590	2740
	155 Benzaldehyde	77	1.232	1.221	(0.796)	329308	32.3091	1080
	156 Caprolactam	113	2.724	2.687	(1.154)	548928	96.4687	3220
	157 Biphenyl	154	3.088	3.088	(1.308)	3868349	89.1857	2970
	158 Atrazine	200	4.201	4.195	(0.978)	663365	176.902	5900(R)
	174 1,4-Dioxane	88	0.269	0.259	(0.174)	129882	45.6900	1520(M1)

QC Flag Legend

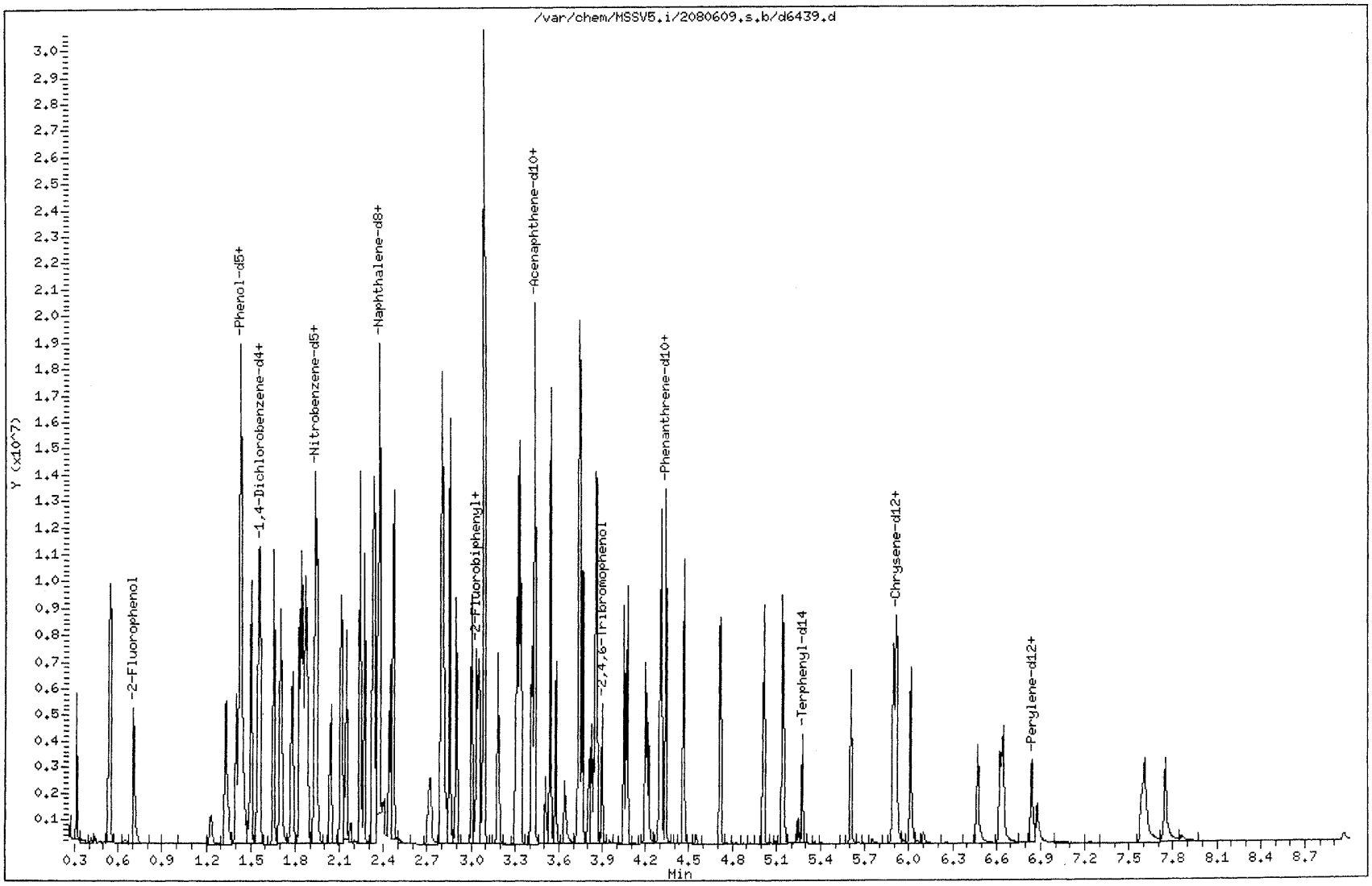
R - Spike/Surrogate failed recovery limits.
M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.

170856

Data File: /var/chem/MSSV5.i/2080609.s.b/d6439.d
Date : 09-JUN-2008 14:32
Client ID: 0609LCS
Sample Info: 612545*LCS
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i

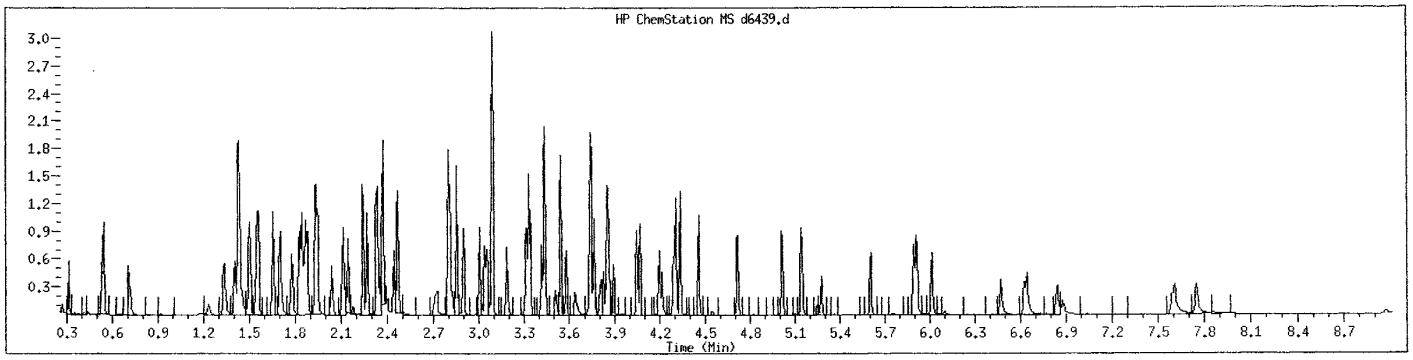
Operator: KCB
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2080609.s.b/d6439.d Page: 1
Report Date: 06/09/2008 16:23

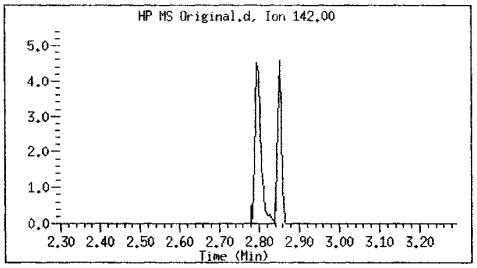
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 612545 SampleType : LCS
Injection Date: 06/09/2008 14:32 Instrument : MSSV5.i
Operator : KCB
Sample Info : 612545*LCS
Misc Info : 0609LCS*MSSV~5025~*LCS*30.0-1*375218*
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



Original Final

33 2-Methylnaphthalene CAS#: 91-57-6 Reason: M2



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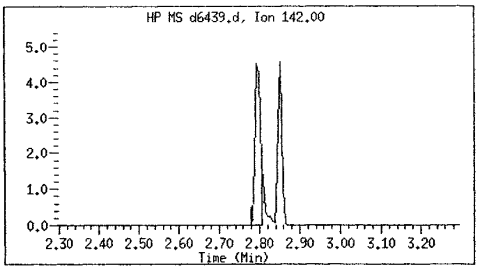
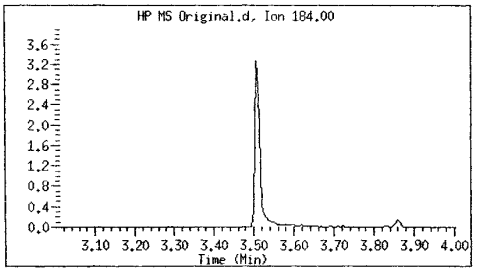
Date: 06/09/2008 16:23



46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



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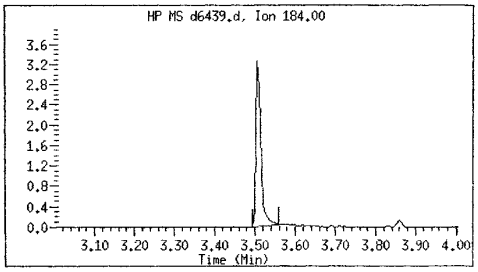
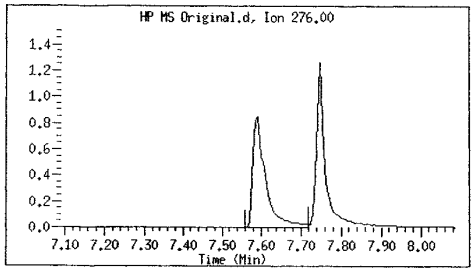


170858

Original Final

82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



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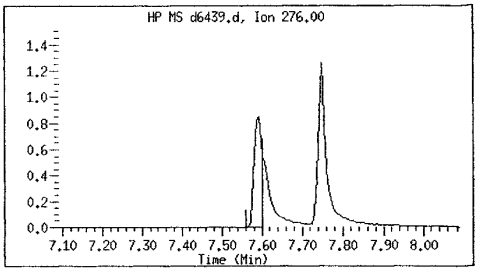
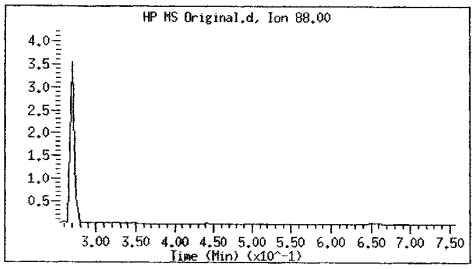


174 1,4-Dioxane CAS#: 123-91-1 Reason: M1



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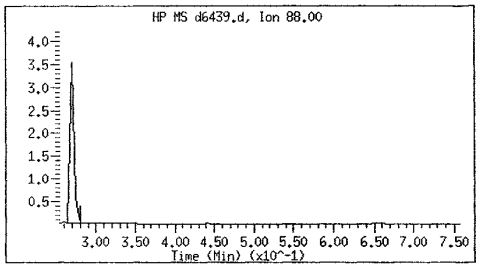


M1 - Target system did not integrate
M2 - Target system integrated incorrectly

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: LCSD612546
Contract:
Lab File ID: 2080609/d6440
Lab Sample ID: 612546
Date Collected: Time:
Date Received:
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1448
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	3.14		0.00640	0.066
120-12-7	Anthracene	2.83		0.00590	0.066
56-55-3	Benzo(a)anthracene	3.11		0.00419	0.066
92-87-5	Benzidine	1.59	J	0.252	1.65
205-99-2	Benzo(b)fluoranthene	3.40		0.00977	0.330
207-08-9	Benzo(k)fluoranthene	3.92		0.00881	0.330
191-24-2	Benzo(g,h,i)perylene	3.28		0.00715	0.330
50-32-8	Benzo(a)pyrene	3.30		0.00714	0.066
65-85-0	Benzoic acid	2.25		0.032	1.65
85-68-7	Butylbenzylphthalate	3.30		0.00760	0.330
111-91-1	Bis(2-Chloroethoxy)methane	2.57		0.00746	0.330
111-44-4	Bis(2-Chloroethyl)ether	2.40		0.029	0.330
108-60-1	bis(2-Chloroisopropyl)ether	2.34		0.033	0.330
117-81-7	bis(2-ethylhexyl)phthalate	3.32		0.038	0.066
101-55-3	4-Bromophenyl-phenylether	3.05		0.00603	0.330
86-74-8	Carbazole	2.70		0.00765	0.330
7005-72-3	4-Chlorophenyl-phenylether	2.87		0.00641	0.330
218-01-9	Chrysene	2.57		0.00625	0.330
53-70-3	Dibenz(a,h)anthracene	3.15		0.00545	0.066
132-64-9	Dibenzofuran	2.94		0.00505	0.330
91-94-1	3,3'-Dichlorobenzidine	2.33		0.023	0.660
120-83-2	2,4-Dichlorophenol	2.76		0.00778	0.330
84-66-2	Diethylphthalate	2.76		0.00630	0.330
105-67-9	2,4-Dimethylphenol	2.72		0.00882	0.330
131-11-3	Dimethyl-phthalate	2.84		0.00509	0.330
117-84-0	Di-n-octylphthalate	2.70		0.018	0.330
51-28-5	2,4-Dinitrophenol	1.84		0.016	1.65
606-20-2	2,6-Dinitrotoluene	2.17		0.00567	0.330
206-44-0	Fluoranthene	2.56		0.00536	0.330

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: LCSD612546
Contract:
Lab File ID: 2080609/d6440
Lab Sample ID: 612546
Date Collected: Time:
Date Received:
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1448
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	2.68		0.00546	0.066
118-74-1	Hexachlorobenzene	2.96		0.011	0.330
77-47-4	Hexachlorocyclopentadiene	2.65		0.019	0.330
67-72-1	Hexachloroethane	2.29		0.029	0.330
78-59-1	Isophorone	2.65		0.00749	0.330
193-39-5	Indeno(1,2,3-cd)pyrene	2.30		0.010	0.330
91-57-6	2-Methylnaphthalene	2.82		0.00803	0.066
95-48-7	o-Cresol	2.66		0.017	0.330
98-95-3	Nitrobenzene	2.63		0.040	0.330
88-75-5	2-Nitrophenol	2.73		0.00959	0.330
62-75-9	N-Nitrosodimethylamine	3.99		0.097	0.330
86-30-6	N-Nitrosodiphenylamine	3.08		0.00564	0.330
85-01-8	Phenanthrene	2.78		0.00578	0.066
95-95-4	2,4,5-Trichlorophenol	2.86		0.00654	0.330
88-06-2	2,4,6-Trichlorophenol	2.85		0.00755	0.330
100-51-6	Benzyl alcohol	2.71		0.010	0.330
62-53-3	Aniline	5.61		0.018	0.330
110-86-1	Pyridine	1.56		0.016	0.330
105-60-2	Caprolactam	2.99		0.00978	0.330
98-86-2	Acetophenone	2.53		0.00818	0.330
99-09-2	3-Nitroaniline	2.16		0.031	1.65
100-01-6	4-Nitroaniline	2.47		0.00804	1.65
84-74-2	Di-n-butylphthalate	2.96		0.00664	0.330
122-66-7	1,2 Diphenylhydrazine	3.03		0.00966	0.330
88-74-4	2-Nitroaniline	2.79		0.00584	1.65
91-58-7	2-Chloronaphthalene	2.88		0.00901	0.330
106-47-8	4-Chloroaniline	2.54		0.00400	0.330
1912-24-9	Atrazine (Aatrex)	6.12		0.016	0.660
100-52-7	Benzaldehyde	1.86		0.026	0.660

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
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: LCSD612546
Contract:
Lab File ID: 2080609/d6440
Lab Sample ID: 612546
Date Collected: Time:
Date Received:
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1448
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	2.81		0.00551	0.330
1319-77-3M	m,p-Cresol	2.67		0.00965	0.330
534-52-1	2-Methyl-4,6-dinitrophenol	2.43		0.039	1.65
108-95-2	Phenol	2.52		0.010	0.330
95-57-8	2-Chlorophenol	2.57		0.014	0.330
621-64-7	N-Nitroso-di-n-propylamine	2.53		0.00984	0.066
59-50-7	4-Chloro-3-methylphenol	2.73		0.00806	0.330
83-32-9	Acenaphthene	2.72		0.00887	0.066
100-02-7	4-Nitrophenol	2.88		0.034	1.65
121-14-2	2,4-Dinitrotoluene	2.73		0.021	0.330
87-86-5	Pentachlorophenol	2.30		0.017	1.65
129-00-0	Pyrene	3.32		0.00676	0.330

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080609.s.b/d6440.d
Lab Smp Id: 612546 Client Smp ID: 0609LCSD
Inj Date : 09-JUN-2008 14:48
Operator : KCB Inst ID: MSSV5.i
Smp Info : 612546*LCSD
Misc Info : 0609LCSD*MSSV~5025~*LCSD*30.0-1*375218*
Comment :
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Meth Date : 09-Jun-2008 10:06 root Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.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/(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	Weigth 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	0.318	0.301	(0.205)	589533	46.8946	1560
	1 n-Nitrosodimethylamine	42	0.312	0.296	(0.202)	325817	119.758	3990
$	3 2-Fluorophenol	112	0.708	0.697	(0.457)	1112069	60.8128	2030
$	4 Phenol-d5	99	1.425	1.425	(0.920)	2500868	59.6826	1990
	5 Aniline	93	1.334	1.323	(0.862)	3196412	168.445	5610(R)
	6 Phenol +	94	1.430	1.430	(0.924)	3458383	75.7003	2520
	7 bis(-2-Chloroethyl)Ether	63	1.403	1.398	(0.907)	1719719	72.0059	2400
	8 2-Chlorophenol	128	1.430	1.425	(0.924)	2054462	77.1626	2570
	9 1,3-Dichlorobenzene	146	1.500	1.494	(0.969)	2145446	68.5017	2280
*	10 1,4-Dichlorobenzene-d4	152	1.548	1.537	(1.000)	818292	40.0000	
	11 1,4-Dichlorobenzene +	146	1.558	1.548	(1.007)	2222959	70.8395	2360

170863

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppm)	FINAL (ug/Kg)
	12	Benzyl alcohol	108	1.703	1.692	(1.100)	1741701	81.3937	2710
	13	1,2-Dichlorobenzene	146	1.655	1.649	(1.069)	2144709	72.1207	2400
	15	2-Methylphenol	108	1.826	1.826	(1.180)	2283194	79.8877	2660
	14	Bis(2-chloroisopropyl)ether	45	1.778	1.772	(1.149)	2270541	70.1838	2340
	17	3- & 4-Methylphenol	108	1.933	1.927	(1.249)	2416841	80.2373	2670
	16	N-Nitroso-di-n-propylamine++	70	1.879	1.869	(1.214)	2119235	75.7759	2530
	18	Hexachloroethane	117	1.869	1.863	(1.207)	943341	68.7127	2290
$	19	Nitrobenzene-d5	82	1.933	1.927	(0.819)	1094239	28.9513	965(M1)
	20	Nitrobenzene	77	1.949	1.938	(0.826)	4357618	79.0312	2630
	21	Isophorone	82	2.109	2.104	(0.893)	5685199	79.4139	2650
	22	2-Nitrophenol +	139	2.147	2.141	(0.909)	1088983	81.8041	2730
	23	2,4-Dimethyphenol	107	2.243	2.238	(0.950)	2671510	81.5531	2720
	24	bis(-2-Chloroethoxy)methane	93	2.270	2.264	(0.961)	3057786	77.0801	2570
	25	Benzoic Acid	122	2.409	2.387	(1.020)	750623	67.4891	2250
	26	2,4-Dichlorophenol +	162	2.329	2.329	(0.986)	1595064	82.8003	2760
	27	1,2,4-Trichlorobenzene	180	2.339	2.334	(0.991)	1919262	79.5376	2650
*	28	Naphthalene-d8	136	2.361	2.355	(1.000)	2905098	40.0000	
	29	Naphthalene	128	2.371	2.371	(1.005)	5832372	77.0313	2570
	30	4-Chloroaniline	127	2.441	2.441	(1.034)	1474998	76.1341	2540
	31	Hexachlorobutadiene +	225	2.468	2.462	(1.045)	1272391	77.7373	2590
	32	4-Chloro-3-Methylphenol +	107	2.810	2.805	(1.190)	1976772	81.8554	2730
	33	2-Methylnaphthalene	142	2.794	2.794	(1.184)	4176078	84.5092	2820(M2)
	145	1-Methylnapthalene	142	2.853	2.847	(1.208)	3213343	74.1417	2470
	34	Hexachlorocyclopentadiene ++	237	2.896	2.896	(0.848)	1093025	79.5370	2650
	35	2,4,6-Trichlorophenol +	196	3.003	3.003	(0.879)	1066305	85.4122	2850
	36	2,4,5-Trichlorphenol	196	3.051	3.051	(0.893)	1102796	85.8213	2860
$	37	2-Fluorobiphenyl	172	3.035	3.035	(0.889)	1426356	32.5962	1090
	38	2-Chloronaphthalene	162	3.088	3.083	(0.904)	3384923	86.5037	2880
	39	2-Nitroaniline	138	3.184	3.179	(0.933)	1045060	83.6699	2790
	40	Dimethylphthalate	163	3.313	3.307	(0.970)	3392557	85.1116	2840
	41	2,6-Dinitrotoluene	165	3.339	3.334	(0.978)	811238	65.0352	2170
	42	Acenaphthylene	152	3.329	3.323	(0.975)	5362254	94.2885	3140
	43	3-Nitroaniline	138	3.436	3.430	(1.006)	564031	64.9359	2160
*	44	Acenaphthene-d10	164	3.414	3.414	(1.000)	1402833	40.0000	
	45	Acenaphthene +	153	3.436	3.430	(1.006)	3091866	81.7040	2720
	46	2,4-Dinitrophenol ++	184	3.511	3.505	(1.028)	328298	55.3308	1840(M1)
	49	4-Nitrophenol ++	109	3.639	3.644	(1.066)	448617	86.5103	2880
	47	Dibenzofuran	168	3.543	3.537	(1.038)	4468556	88.3437	2940
	48	2,4-Dinitrotoluene	165	3.580	3.575	(1.049)	1020037	81.7741	2730
	50	Diethylphthalate	149	3.741	3.735	(1.096)	3066584	82.9152	2760
	52	4-Chlorophenyl-phenylether	204	3.767	3.762	(1.103)	1720793	85.9713	2870
	51	Fluorene	166	3.746	3.741	(1.097)	3324415	80.4204	2680
	53	4-Nitroaniline	138	3.810	3.805	(1.116)	638306	74.1810	2470
	54	4,6-Dinitro-o-cresol	198	3.826	3.821	(0.890)	531972	72.9885	2430
	55	N-nitrosodiphenylamine (1)+	169	3.853	3.848	(0.897)	2272393	92.3132	3080
	56	Azobenzene	77	3.858	3.858	(0.898)	5442638	90.7604	3030
$	57	2,4,6-Tribromophenol	332	3.896	3.896	(1.141)	348764	66.3280	2210

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/Kg)
	58 4-Bromophenyl-phenylether	248	4.051	4.051	(0.943)	827726	91.3993	3050
	59 Hexachlorobenzene	284	4.072	4.072	(0.948)	1031634	88.8183	2960
	60 Pentachlorophenol +	266	4.222	4.217	(0.983)	485012	69.0888	2300
*	61 Phenanthrene-d10	188	4.297	4.292	(1.000)	1978523	40.0000	
	62 Phenanthrene	178	4.308	4.308	(1.002)	4254353	83.2788	2780
	63 Anthracene	178	4.340	4.340	(1.010)	4213432	84.7515	2830
	64 Carbazole	167	4.463	4.463	(1.039)	3517305	81.1377	2700
	65 Di-n-butylphthalate	149	4.719	4.719	(1.098)	4469830	88.9310	2960
	67 Fluoranthene +	202	5.019	5.014	(1.168)	3857773	76.7816	2560
	68 Benzidine	184	5.158	5.137	(0.874)	27996	47.7342	1590(M2)
	69 Pyrene	202	5.147	5.142	(0.872)	3854306	99.5759	3320
$	70 Terphenyl-d14	244	5.276	5.276	(0.894)	1054922	42.0624	1400
	71 Butylbenzylphthalate	149	5.607	5.607	(0.950)	1490000	98.9693	3300
	73 3,3'-Dichlorobenzidine	252	5.912	5.912	(1.002)	669022	70.0462	2330
	72 Benzo(a)anthracene	228	5.891	5.891	(0.998)	2989513	93.2202	3110
*	74 Chrysene-d12	240	5.901	5.902	(1.000)	1118442	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.014	6.014	(1.019)	1898723	99.7224	3320
	75 Chrysene	228	5.918	5.918	(1.003)	2820861	77.1849	2570
	77 Di-n-octylphthalate +	149	6.474	6.474	(1.097)	2657246	81.0608	2700
	78 Benzo(b)fluoranthene	252	6.629	6.629	(0.963)	1748195	102.055	3400
	79 Benzo(k)fluoranthene	252	6.645	6.645	(0.966)	2763514	117.553	3920(R)
	80 Benzo(a)pyrene +	252	6.843	6.843	(0.995)	1854982	99.0492	3300
*	81 Perylene-d12	264	6.880	6.880	(1.000)	613840	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.586	7.586	(1.285)	1325697	68.8976	2300(M2)
	83 Dibenzo(a,h)anthracene	278	7.608	7.608	(1.106)	1771641	94.6376	3150
	84 Benzo(g,h,i)perylene	276	7.747	7.747	(1.126)	2176480	98.3523	3280
M	66 Total Methylphenol	108				4700035	160.125	5340
	91 Acetophenone	105	1.842	1.842	(1.190)	3074618	75.8586	2530
	155 Benzaldehyde	77	1.227	1.221	(0.793)	654164	55.8108	1860
	156 Caprolactam	113	2.730	2.687	(1.156)	583191	89.6014	2990
	157 Biphenyl	154	3.088	3.088	(1.308)	4187630	84.4055	2810
	158 Atrazine	200	4.206	4.195	(0.979)	846142	183.682	6120(R)
	174 1,4-Dioxane	88	0.275	0.259	(0.177)	100681	30.7984	1030

QC Flag Legend

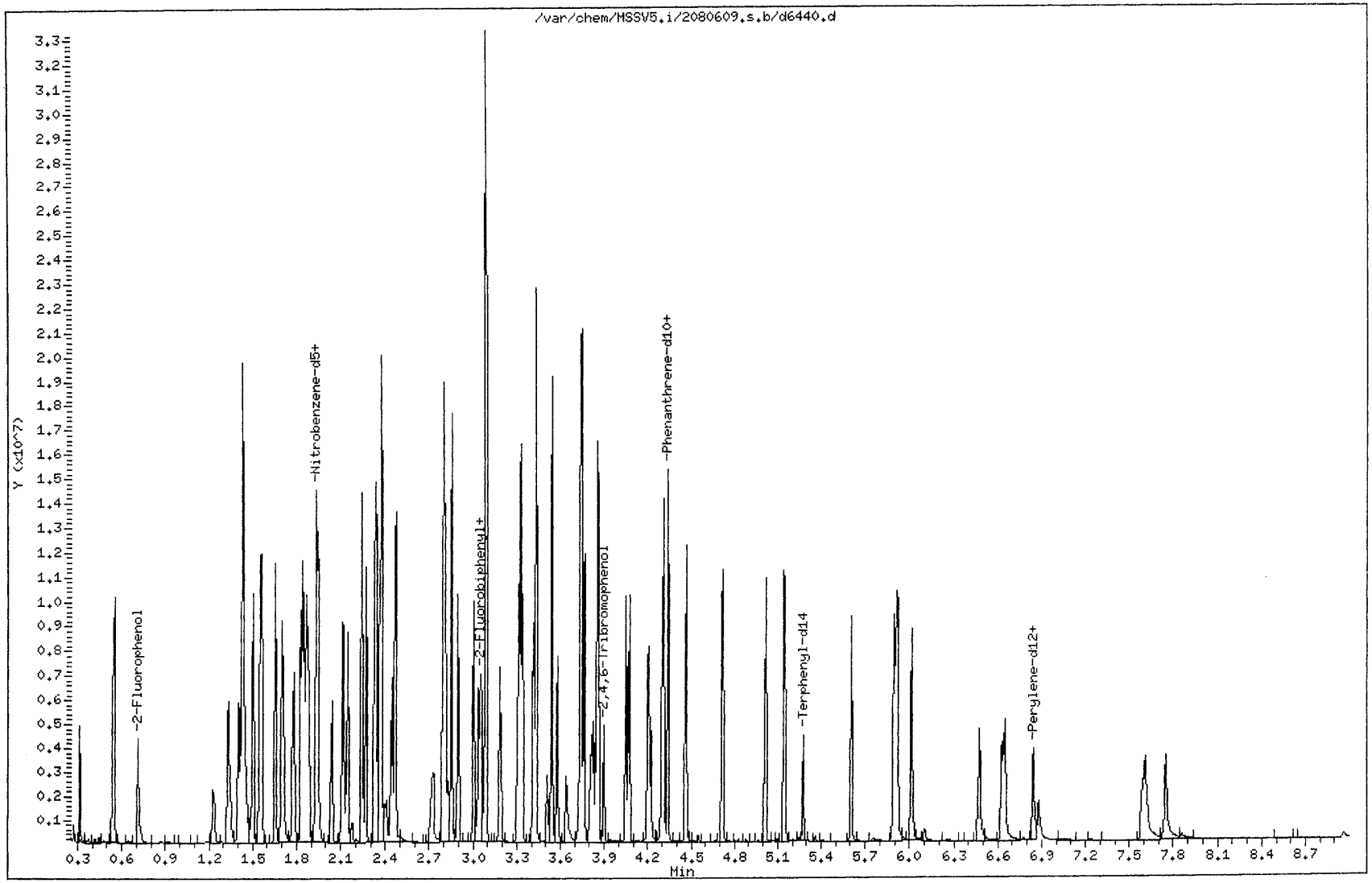
R - Spike/Surrogate failed recovery limits.
M1- Compound response manually integrated because Target system did not integrate.
M2- Compound response manually integrated because Target system integrated incorrectly.

170865

Data File: /var/chem/MSSV5.i/2080609.s.b/d6440.d
Date : 09-JUN-2008 14:48
Client ID: 0609LCSD
Sample Info: 612546*LCSD
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i

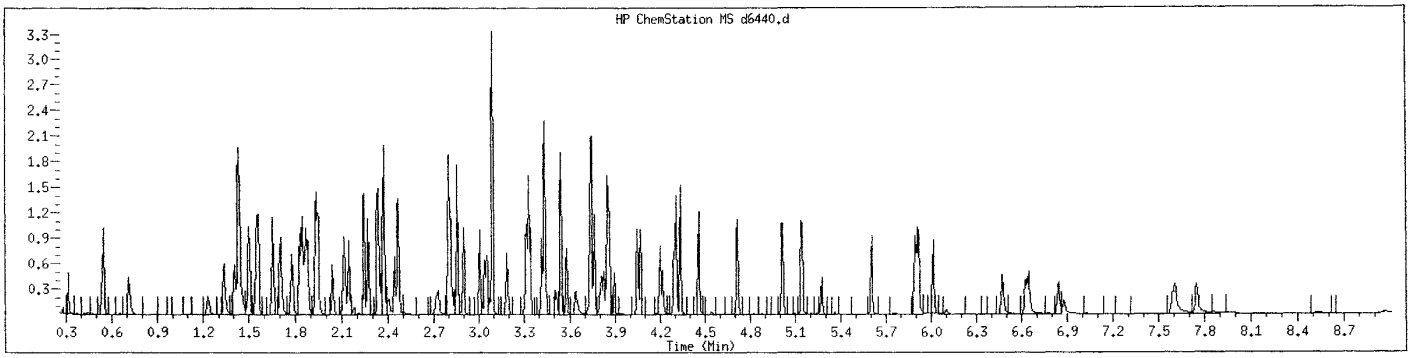
Operator: KCB
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2080609.s.b/d6440.d Page: 1
Report Date: 06/09/2008 16:22

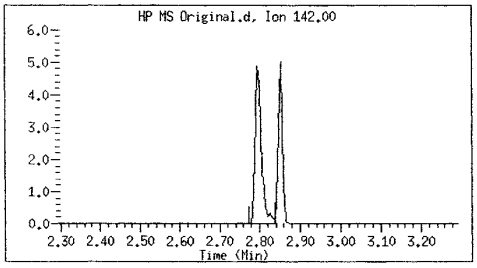
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 612546 SampleType : LCSD
Injection Date: 06/09/2008 14:48 Instrument : MSSV5.i
Operator : KCB
Sample Info : 612546*LCSD
Misc Info : 0609LCSD*MSSV~5025~*LCSD*30.0-1*375218*
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



Original Final

33 2-Methylnaphthalene CAS#: 91-57-6 Reason: M2



Electronic Signature Applied

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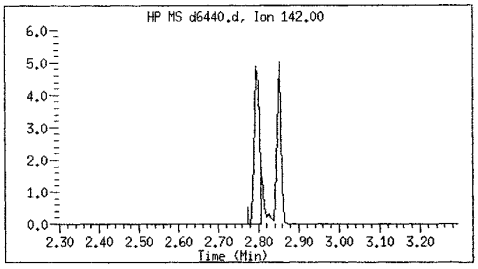
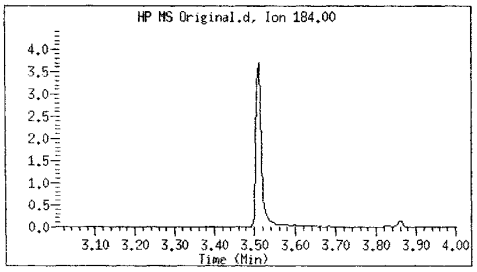
Date: 06/09/2008 16:21



46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



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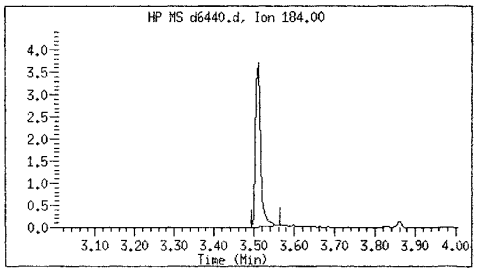
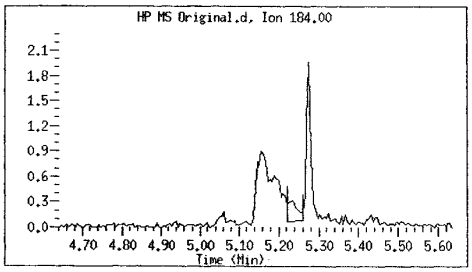


170867

Original Final

68 Benzidine CAS#: 92-87-5 Reason: M2



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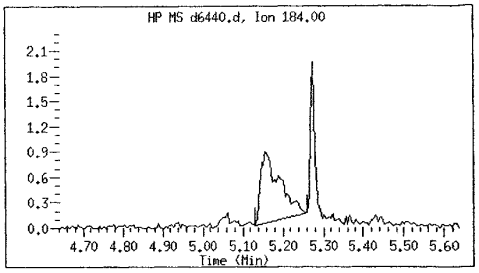
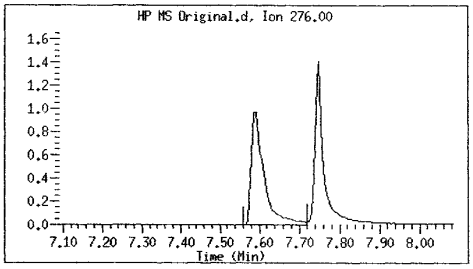


82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



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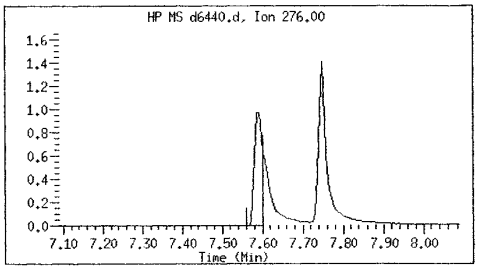
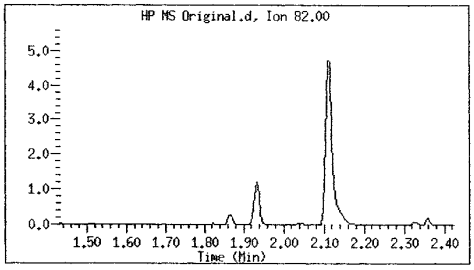


$ 19 Nitrobenzene-d5 CAS#: 4165-60-0 Reason: M1



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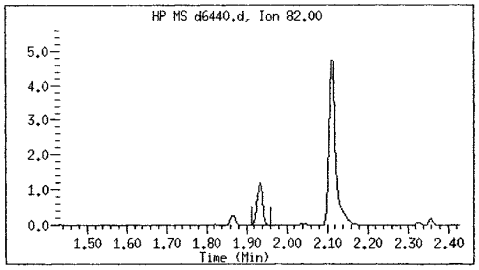

M1 - Target system did not integrate
M2 - Target system integrated incorrectly

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 14.2 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: 4WSED3 (0-0.5) MS
Contract:
Lab File ID: 2080609/d6443
Lab Sample ID: 20806052206
Date Collected: 06/04/08 Time: 1200
Date Received: 06/05/08
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1534
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	3.78		0.011	0.382
95-95-4	2,4,5-Trichlorophenol	3.30		0.00757	0.382
88-06-2	2,4,6-Trichlorophenol	3.33		0.00874	0.382
120-83-2	2,4-Dichlorophenol	3.16		0.00901	0.382
51-28-5	2,4-Dinitrophenol	2.04		0.019	1.91
121-14-2	2,4-Dinitrotoluene	3.23		0.024	0.382
606-20-2	2,6-Dinitrotoluene	2.60		0.00656	0.382
91-58-7	2-Chloronaphthalene	3.45		0.010	0.382
95-57-8	2-Chlorophenol	2.90		0.016	0.382
91-57-6	2-Methylnaphthalene	3.38		0.00930	0.076
88-74-4	2-Nitroaniline	3.46		0.00676	1.91
88-75-5	2-Nitrophenol	3.26		0.011	0.382
91-94-1	3,3'-Dichlorobenzidine	2.20		0.026	0.764
99-09-2	3-Nitroaniline	2.59		0.036	1.91
534-52-1	2-Methyl-4,6-dinitrophenol	2.86		0.045	1.91
59-50-7	4-Chloro-3-methylphenol	2.99		0.00933	0.382
106-47-8	4-Chloroaniline	2.31		0.00463	0.382
7005-72-3	4-Chlorophenyl-phenylether	3.27		0.00742	0.382
83-32-9	Acenaphthene	3.24		0.010	0.076
208-96-8	Acenaphthylene	3.65		0.00741	0.076
98-86-2	Acetophenone	2.98		0.00947	0.382
62-53-3	Aniline	4.01		0.020	0.382
120-12-7	Anthracene	3.27		0.00683	0.076
1912-24-9	Atrazine (Aatrex)	6.90		0.018	0.764
100-52-7	Benzaldehyde	3.55		0.030	0.764
92-87-5	Benzidine	1.91	U	0.292	1.91
56-55-3	Benzo(a)anthracene	3.40		0.00485	0.076
50-32-8	Benzo(a)pyrene	3.81		0.00827	0.076
205-99-2	Benzo(b)fluoranthene	4.06		0.011	0.382

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 14.2 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: 4WSED3 (0-0.5) MS
Contract:
Lab File ID: 2080609/d6443
Lab Sample ID: 20806052206
Date Collected: 06/04/08 Time: 1200
Date Received: 06/05/08
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1534
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	4.16		0.00828	0.382
207-08-9	Benzo(k)fluoranthene	3.46		0.010	0.382
65-85-0	Benzoic acid	2.28		0.038	1.91
100-51-6	Benzyl alcohol	3.10		0.012	0.382
92-52-4	Biphenyl	3.33		0.00638	0.382
111-91-1	Bis(2-Chloroethoxy)methane	3.16		0.00864	0.382
111-44-4	Bis(2-Chloroethyl)ether	2.91		0.034	0.382
108-60-1	bis(2-Chloroisopropyl)ether	2.77		0.038	0.382
117-81-7	bis(2-ethylhexyl)phthalate	3.37		0.044	0.076
101-55-3	4-Bromophenyl-phenylether	3.68		0.00698	0.382
85-68-7	Butylbenzylphthalate	3.19		0.00880	0.382
105-60-2	Caprolactam	3.19		0.011	0.382
86-74-8	Carbazole	3.04		0.00886	0.382
218-01-9	Chrysene	3.20		0.00724	0.382
84-74-2	Di-n-butylphthalate	3.47		0.00769	0.382
117-84-0	Di-n-octylphthalate	3.52		0.021	0.382
53-70-3	Dibenz(a,h)anthracene	4.42		0.00631	0.076
132-64-9	Dibenzofuran	3.45		0.00585	0.382
84-66-2	Diethylphthalate	3.26		0.00729	0.382
131-11-3	Dimethyl-phthalate	3.54		0.00589	0.382
105-67-9	2,4-Dimethylphenol	3.25		0.010	0.382
206-44-0	Fluoranthene	3.05		0.00621	0.382
86-73-7	Fluorene	3.15		0.00632	0.076
118-74-1	Hexachlorobenzene	3.46		0.012	0.382
77-47-4	Hexachlorocyclopentadiene	1.76		0.022	0.382
67-72-1	Hexachloroethane	2.72		0.033	0.382
193-39-5	Indeno(1,2,3-cd)pyrene	5.91		0.012	0.382
78-59-1	Isophorone	3.24		0.00867	0.382
100-01-6	4-Nitroaniline	2.42		0.00931	1.91

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208060522

Matrix: Soil

Sample wt/vol: 30.2 Units: g

Level: (low/med) LOW

% Moisture: 14.2 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: 4WSED3 (0-0.5) MS

Contract:

Lab File ID: 2080609/d6443

Lab Sample ID: 20806052206

Date Collected: 06/04/08 Time: 1200

Date Received: 06/05/08

Date Extracted: 06/09/08

Date Analyzed: 06/09/08 Time: 1534

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV5

Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	3.24		0.046	0.382
100-02-7	4-Nitrophenol	3.41		0.039	1.91
87-86-5	Pentachlorophenol	2.66		0.020	1.91
85-01-8	Phenanthrene	3.26		0.00669	0.076
108-95-2	Phenol	2.88		0.012	0.382
129-00-0	Pyrene	3.02		0.00783	0.382
110-86-1	Pyridine	2.49		0.019	0.382
1319-77-3M	m,p-Cresol	2.98		0.011	0.382
621-64-7	N-Nitroso-di-n-propylamine	3.10		0.011	0.076
62-75-9	N-Nitrosodimethylamine	4.61		0.113	0.382
86-30-6	N-Nitrosodiphenylamine	3.68		0.00653	0.382
95-48-7	o-Cresol	3.01		0.019	0.382

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080609.s.b/d6443.d
Lab Smp Id: 20806052206 Client Smp ID: 20806052206
Inj Date : 09-JUN-2008 15:34
Operator : KCB Inst ID: MSSV5.i
Smp Info : 20806052206*MS*
Misc Info : 20806052205*MSSV~5025~*060522*30.2-1*375218*
Comment :
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Meth Date : 09-Jun-2008 10:06 root Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.d
Als bottle: 38 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	Weigth 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	0.312	0.301	(0.202)	649536	64.5578	2140
	1 n-Nitrosodimethylamine	42	0.312	0.296	(0.202)	263722	119.610	3960
$	3 2-Fluorophenol	112	0.708	0.697	(0.457)	1225163	86.2587	2860
$	4 Phenol-d5	99	1.425	1.425	(0.921)	2526864	77.6399	2570
	5 Aniline	93	1.334	1.323	(0.862)	1879507	103.776	3440
	6 Phenol +	94	1.435	1.430	(0.927)	2642906	74.4821	2470
	7 bis(-2-Chloroethyl)Ether	63	1.403	1.398	(0.907)	1399617	75.4511	2500
	8 2-Chlorophenol	128	1.430	1.425	(0.924)	1556578	75.2706	2490
	9 1,3-Dichlorobenzene	146	1.500	1.494	(0.969)	1787002	73.4605	2430
*	10 1,4-Dichlorobenzene-d4	152	1.548	1.537	(1.000)	635569	40.0000	
	11 1,4-Dichlorobenzene +	146	1.558	1.548	(1.007)	1817782	74.5816	2470

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							CONCENTRATIONS	
		QUANT SIG					ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/Kg)
	12 Benzyl alcohol	108	1.703	1.692	(1.100)	1335565	80.3578	2660
	13 1,2-Dichlorobenzene	146	1.655	1.649	(1.069)	1725102	74.6882	2470
	15 2-Methylphenol	108	1.826	1.826	(1.180)	1732202	78.0335	2580
	14 Bis(2-chloroisopropyl)ether	45	1.778	1.772	(1.149)	1805896	71.8697	2380
	17 3- & 4-Methylphenol	108	1.933	1.927	(1.249)	1807669	77.2668	2560
	16 N-Nitroso-di-n-propylamine++	70	1.879	1.869	(1.214)	1742349	80.2108	2660
	18 Hexachloroethane	117	1.869	1.863	(1.207)	749732	70.3104	2330
$	19 Nitrobenzene-d5	82	1.933	1.927	(0.819)	1203787	43.1671	1430
	20 Nitrobenzene	77	1.944	1.938	(0.823)	3410427	83.8311	2780
	21 Isophorone	82	2.109	2.104	(0.893)	4440304	84.0641	2780
	22 2-Nitrophenol +	139	2.147	2.141	(0.909)	831454	84.6524	2800
	23 2,4-Dimethyphenol	107	2.238	2.238	(0.948)	2035903	84.2341	2790
	24 bis(-2-Chloroethoxy)methane	93	2.270	2.264	(0.961)	2394894	81.8217	2710
	25 Benzoic Acid	122	2.393	2.387	(1.014)	474862	59.1263	1960
	26 2,4-Dichlorophenol +	162	2.329	2.329	(0.986)	1162504	81.7890	2710
	27 1,2,4-Trichlorobenzene	180	2.334	2.334	(0.989)	1452737	81.5966	2700
*	28 Naphthalene-d8	136	2.361	2.355	(1.000)	2143452	40.0000	
	29 Naphthalene	128	2.371	2.371	(1.005)	4469988	80.0157	2650
	30 4-Chloroaniline	127	2.441	2.441	(1.034)	909826	59.9007	1980
	31 Hexachlorobutadiene +	225	2.468	2.462	(1.045)	995981	82.4097	2730
	32 4-Chloro-3-Methylphenol +	107	2.805	2.805	(1.188)	1384559	77.7051	2570
	33 2-Methylnaphthalene	142	2.794	2.794	(1.183)	3204109	87.5069	2900(M1)
	145 1-Methylnapthalene	142	2.853	2.847	(1.208)	2399171	75.0263	2480
	34 Hexachlorocyclopentadiene ++	237	2.896	2.896	(0.848)	412415	45.7289	1510(R)
	35 2,4,6-Trichlorophenol +	196	3.003	3.003	(0.879)	756362	86.3991	2860
	36 2,4,5-Trichlorphenol	196	3.051	3.051	(0.893)	771140	85.5804	2830
$	37 2-Fluorobiphenyl	172	3.035	3.035	(0.889)	1411501	46.0004	1520
	38 2-Chloronaphthalene	162	3.083	3.083	(0.903)	2456198	89.5139	2960
	39 2-Nitroaniline	138	3.184	3.179	(0.933)	785887	89.7283	2970
	40 Dimethylphthalate	163	3.307	3.307	(0.969)	2570282	91.9568	3040
	41 2,6-Dinitrotoluene	165	3.340	3.334	(0.978)	587886	67.2100	2230
	42 Acenaphthylene	152	3.324	3.323	(0.973)	3773224	94.6161	3130
	43 3-Nitroaniline	138	3.436	3.430	(1.006)	408886	67.1313	2220
*	44 Acenaphthene-d10	164	3.414	3.414	(1.000)	983705	40.0000	
	45 Acenaphthene +	153	3.436	3.430	(1.006)	2226940	83.9213	2780
	46 2,4-Dinitrophenol ++	184	3.505	3.505	(1.027)	219045	52.9398	1750(M1)
	49 4-Nitrophenol ++	109	3.639	3.644	(1.066)	321289	88.3545	2930
	47 Dibenzofuran	168	3.543	3.537	(1.038)	3175424	89.5264	2960
	48 2,4-Dinitrotoluene	165	3.575	3.575	(1.047)	731452	83.6232	2770
	50 Diethylphthalate	149	3.741	3.735	(1.096)	2196676	84.7006	2800
	52 4-Chlorophenyl-phenylether	204	3.767	3.762	(1.103)	1191010	84.8557	2810
	51 Fluorene	166	3.746	3.741	(1.097)	2363445	81.5338	2700
	53 4-Nitroaniline	138	3.805	3.805	(1.114)	379116	62.8314	2080
	54 4,6-Dinitro-o-cresol	198	3.826	3.821	(0.890)	350349	73.8557	2450
	55 N-nitrosodiphenylamine (1)+	169	3.848	3.848	(0.895)	1528412	95.4549	3160
	56 Azobenzene	77	3.858	3.858	(0.898)	3810803	97.6970	3240
$	57 2,4,6-Tribromophenol	332	3.896	3.896	(1.141)	297492	80.6829	2670

170873

		QUANT SIG				CONCENTRATIONS ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/Kg)
	58 4-Bromophenyl-phenylether	248	4.051	4.051	(0.943)	562783	95.5377	3160
	59 Hexachlorobenzene	284	4.072	4.072	(0.948)	677097	89.6201	2970
	60 Pentachlorophenol +	266	4.217	4.217	(0.981)	314856	68.9594	2280
*	61 Phenanthrene-d10	188	4.297	4.292	(1.000)	1286955	40.0000	
	62 Phenanthrene	178	4.308	4.308	(1.002)	2813069	84.6562	2800
	63 Anthracene	178	4.340	4.340	(1.010)	2739908	84.7276	2810
	64 Carbazole	167	4.463	4.463	(1.039)	2220752	78.7572	2610
	65 Di-n-butylphthalate	149	4.720	4.719	(1.098)	2943050	90.0197	2980
	67 Fluoranthene +	202	5.019	5.014	(1.168)	2582613	79.0237	2620
	69 Pyrene	202	5.147	5.142	(0.872)	2586617	78.3481	2590
$	70 Terphenyl-d14	244	5.276	5.276	(0.894)	884909	41.3676	1370
	71 Butylbenzylphthalate	149	5.607	5.607	(0.950)	1061192	82.6412	2740
	73 3,3'-Dichlorobenzidine	252	5.912	5.912	(1.002)	464325	56.9973	1890
	72 Benzo(a)anthracene	228	5.896	5.891	(0.999)	2411012	88.2975	2920
*	74 Chrysene-d12	240	5.902	5.902	(1.000)	953949	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.014	6.014	(1.019)	1416086	87.1985	2890
	75 Chrysene	228	5.918	5.918	(1.003)	2585451	82.9422	2750
	77 Di-n-octylphthalate +	149	6.479	6.474	(1.098)	2566708	91.1435	3020
	78 Benzo(b)fluoranthene	252	6.640	6.629	(0.964)	2997902	104.979	3480
	79 Benzo(k)fluoranthene	252	6.656	6.645	(0.966)	3502678	89.6652	2970
	80 Benzo(a)pyrene +	252	6.854	6.843	(0.995)	3077006	98.8827	3270
*	81 Perylene-d12	264	6.891	6.880	(1.000)	1020008	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.618	7.586	(1.291)	3285345	153.176	5070(RM2)
	83 Dibenzo(a,h)anthracene	278	7.635	7.608	(1.108)	3668487	114.362	3790
	84 Benzo(g,h,i)perylene	276	7.779	7.747	(1.129)	4015659	107.810	3570
M	66 Total Methylphenol	108				3539871	155.300	5140
	91 Acetophenone	105	1.842	1.842	(1.190)	2429397	77.1716	2560
	155 Benzaldehyde	77	1.227	1.221	(0.793)	838733	92.1300	3050
	156 Caprolactam	113	2.708	2.687	(1.147)	397739	82.8226	2740
	157 Biphenyl	154	3.088	3.088	(1.308)	3166361	86.4987	2860
	158 Atrazine	200	4.206	4.195	(0.979)	523209	178.693	5920(R)
	174 1,4-Dioxane	88	0.269	0.259	(0.174)	159590	62.8538	2080

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.

170874

Data File: /var/chem/MSSV5.i/2080609.s.b/d6443.d

Date : 09-JUN-2008 15:34

Client ID: 20806052206

Sample Info: 20806052206MS

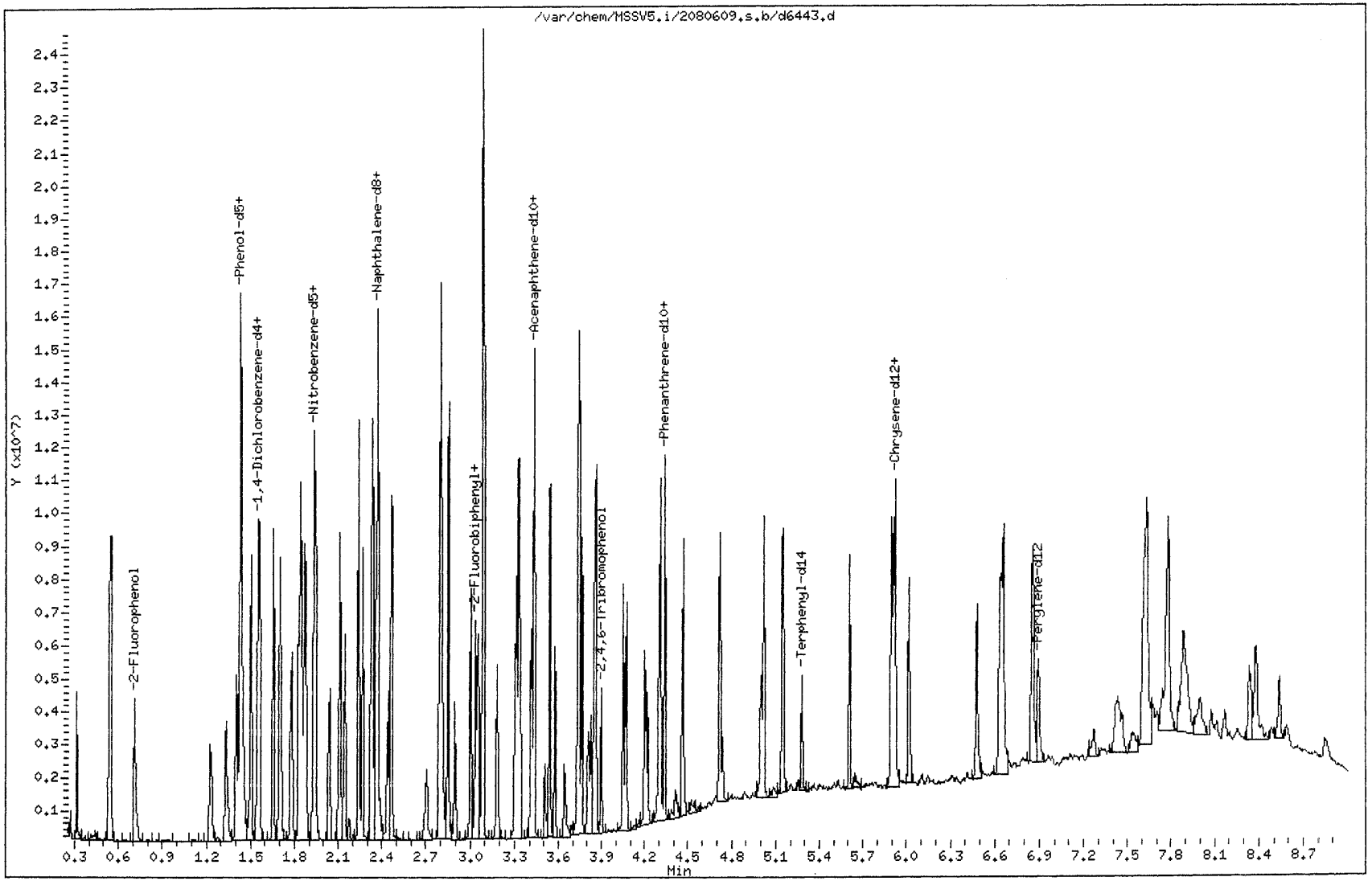
Volume Injected (uL): 1.0

Column phase: RTX-5MS-30M

Instrument: MSSV5.i

Operator: KCB

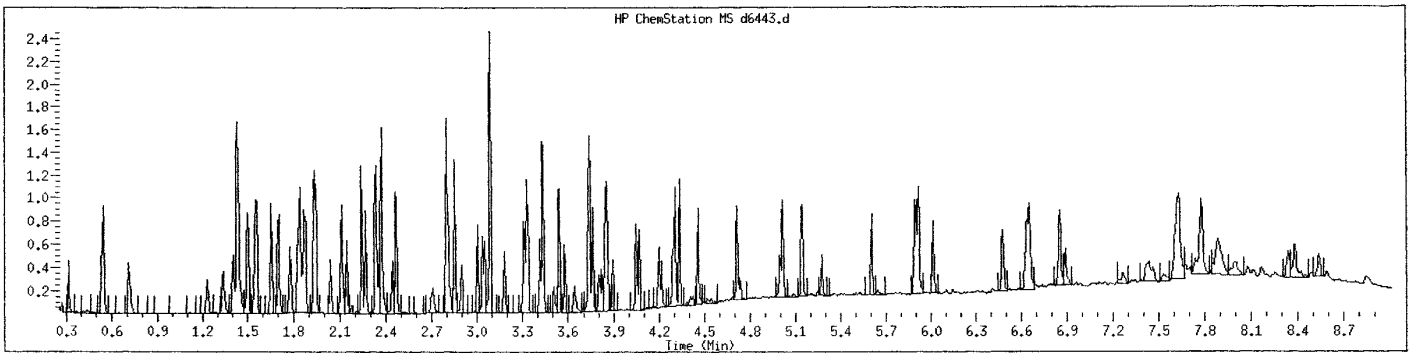
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2080609.s.b/d6443.d Page: 1
Report Date: 06/09/2008 17:00

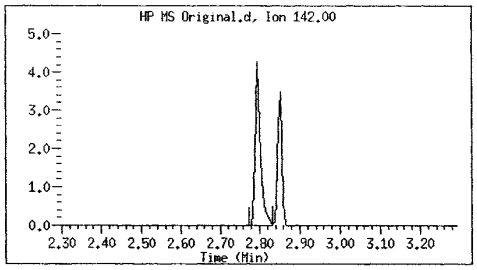
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052206 SampleType : MS
Injection Date: 06/09/2008 15:34 Instrument : MSSV5.i
Operator : KCB
Sample Info : 20806052206*MS*
Misc Info : 20806052205*MSSV~5025~*060522*30.2-1*375218*
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



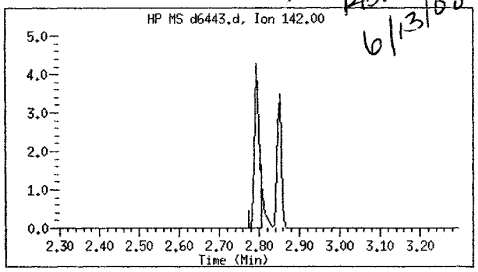
Original Final

33 2-Methylnaphthalene CAS#: 91-57-6 Reason: M1

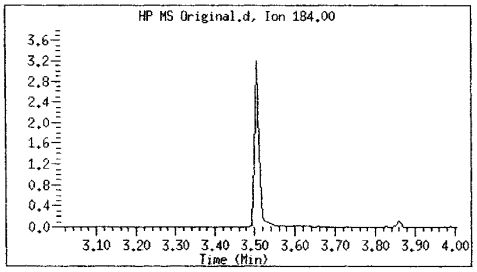


Electronic Signature Applied

User: root
Date: 06/09/2008 16:51



46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



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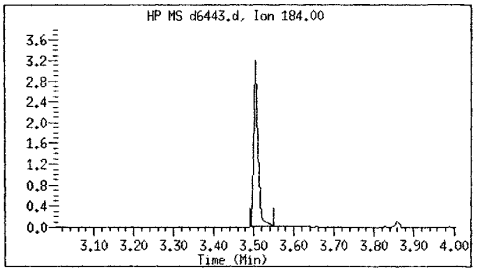
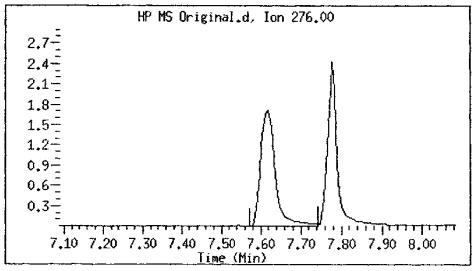


804

170876

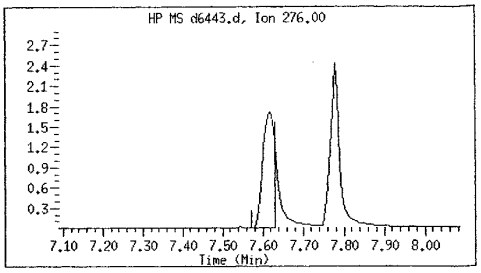
Original Final

82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



Electronic Signature Applied

User: root
Date: 06/09/2008 16:51



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

170877

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 14.2 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: 4WSED3 (0-0.5) MSD
Contract:
Lab File ID: 2080609/d6442
Lab Sample ID: 20806052207
Date Collected: 06/04/08 Time: 1200
Date Received: 06/05/08
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1518
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	3.93		0.011	0.382
95-95-4	2,4,5-Trichlorophenol	3.37		0.00757	0.382
88-06-2	2,4,6-Trichlorophenol	3.51		0.00874	0.382
120-83-2	2,4-Dichlorophenol	3.23		0.00901	0.382
51-28-5	2,4-Dinitrophenol	2.05		0.019	1.91
121-14-2	2,4-Dinitrotoluene	3.24		0.024	0.382
606-20-2	2,6-Dinitrotoluene	2.66		0.00656	0.382
91-58-7	2-Chloronaphthalene	3.54		0.010	0.382
95-57-8	2-Chlorophenol	3.05		0.016	0.382
91-57-6	2-Methylnaphthalene	3.90		0.00930	0.076
88-74-4	2-Nitroaniline	3.41		0.00676	1.91
88-75-5	2-Nitrophenol	3.37		0.011	0.382
91-94-1	3,3'-Dichlorobenzidine	2.03		0.026	0.764
99-09-2	3-Nitroaniline	2.49		0.036	1.91
534-52-1	2-Methyl-4,6-dinitrophenol	2.88		0.045	1.91
59-50-7	4-Chloro-3-methylphenol	2.97		0.00933	0.382
106-47-8	4-Chloroaniline	2.12		0.00463	0.382
7005-72-3	4-Chlorophenyl-phenylether	3.46		0.00742	0.382
83-32-9	Acenaphthene	3.24		0.010	0.076
208-96-8	Acenaphthylene	3.73		0.00741	0.076
98-86-2	Acetophenone	3.04		0.00947	0.382
62-53-3	Aniline	3.75		0.020	0.382
120-12-7	Anthracene	3.43		0.00683	0.076
1912-24-9	Atrazine (Aatrex)	7.00		0.018	0.764
100-52-7	Benzaldehyde	2.10		0.030	0.764
92-87-5	Benzidine	1.91	U	0.292	1.91
56-55-3	Benzo(a)anthracene	3.64		0.00485	0.076
50-32-8	Benzo(a)pyrene	3.80		0.00827	0.076
205-99-2	Benzo(b)fluoranthene	4.28		0.011	0.382

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 14.2 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: 4WSED3 (0-0.5) MSD
Contract:
Lab File ID: 2080609/d6442
Lab Sample ID: 20806052207
Date Collected: 06/04/08 Time: 1200
Date Received: 06/05/08
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1518
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	4.44		0.00828	0.382
207-08-9	Benzo(k)fluoranthene	3.30		0.010	0.382
65-85-0	Benzoic acid	2.18		0.038	1.91
100-51-6	Benzyl alcohol	3.17		0.012	0.382
92-52-4	Biphenyl	3.34		0.00638	0.382
111-91-1	Bis(2-Chloroethoxy)methane	3.31		0.00864	0.382
111-44-4	Bis(2-Chloroethyl)ether	3.02		0.034	0.382
108-60-1	bis(2-Chloroisopropyl)ether	2.88		0.038	0.382
117-81-7	bis(2-ethylhexyl)phthalate	3.54		0.044	0.076
101-55-3	4-Bromophenyl-phenylether	3.60		0.00698	0.382
85-68-7	Butylbenzylphthalate	3.38		0.00880	0.382
105-60-2	Caprolactam	3.20		0.011	0.382
86-74-8	Carbazole	3.11		0.00886	0.382
218-01-9	Chrysene	3.18		0.00724	0.382
84-74-2	Di-n-butylphthalate	3.47		0.00769	0.382
117-84-0	Di-n-octylphthalate	3.59		0.021	0.382
53-70-3	Dibenz(a,h)anthracene	4.67		0.00631	0.076
132-64-9	Dibenzofuran	3.58		0.00585	0.382
84-66-2	Diethylphthalate	3.34		0.00729	0.382
131-11-3	Dimethyl-phthalate	3.58		0.00589	0.382
105-67-9	2,4-Dimethylphenol	3.30		0.010	0.382
206-44-0	Fluoranthene	3.20		0.00621	0.382
86-73-7	Fluorene	3.19		0.00632	0.076
118-74-1	Hexachlorobenzene	3.73		0.012	0.382
77-47-4	Hexachlorocyclopentadiene	2.44		0.022	0.382
67-72-1	Hexachloroethane	2.91		0.033	0.382
193-39-5	Indeno(1,2,3-cd)pyrene	5.94		0.012	0.382
78-59-1	Isophorone	3.32		0.00867	0.382
100-01-6	4-Nitroaniline	2.27		0.00931	1.91

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 14.2 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: 4WSED3 (0-0.5) MSD
Contract:
Lab File ID: 2080609/d6442
Lab Sample ID: 20806052207
Date Collected: 06/04/08 Time: 1200
Date Received: 06/05/08
Date Extracted: 06/09/08
Date Analyzed: 06/09/08 Time: 1518
Dilution Factor: 1 Analyst: KCB
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 375218 Analytical Batch: 375227

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	3.25		0.046	0.382
100-02-7	4-Nitrophenol	3.47		0.039	1.91
87-86-5	Pentachlorophenol	2.72		0.020	1.91
85-01-8	Phenanthrene	3.44		0.00669	0.076
108-95-2	Phenol	3.01		0.012	0.382
129-00-0	Pyrene	3.25		0.00783	0.382
110-86-1	Pyridine	2.46		0.019	0.382
1319-77-3M	m,p-Cresol	3.08		0.011	0.382
621-64-7	N-Nitroso-di-n-propylamine	3.16		0.011	0.076
62-75-9	N-Nitrosodimethylamine	4.49		0.113	0.382
86-30-6	N-Nitrosodiphenylamine	3.74		0.00653	0.382
95-48-7	o-Cresol	3.09		0.019	0.382

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2080609.s.b/d6442.d
Lab Smp Id: 20806052207 Client Smp ID: 20806052207
Inj Date : 09-JUN-2008 15:18
Operator : KCB Inst ID: MSSV5.i
Smp Info : 20806052207*MSD*
Misc Info : 20806052207*MSSV~5025~*060522*30.2-1*375218*
Comment :
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.m
Meth Date : 09-Jun-2008 10:06 root Quant Type: ISTD
Cal Date : 05-JUN-2008 12:01 Cal File: d6338.d
Als bottle: 37 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	30.20000	Weigth 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	0.312	0.301	(0.202)	645236	63.7967	2110
	1 n-Nitrosodimethylamine	42	0.312	0.296	(0.202)	300150	116.192	3850
$	3 2-Fluorophenol	112	0.708	0.697	(0.457)	1273877	89.1084	2950
$	4 Phenol-d5	99	1.425	1.425	(0.921)	2586136	78.9472	2610
	5 Aniline	93	1.334	1.323	(0.862)	1821076	97.2538	3220
	6 Phenol +	94	1.430	1.430	(0.924)	2778325	77.7921	2580
	7 bis(-2-Chloroethyl)Ether	63	1.403	1.398	(0.907)	1462952	78.3554	2590
	8 2-Chlorophenol	128	1.430	1.425	(0.924)	1649600	79.2529	2620
	9 1,3-Dichlorobenzene	146	1.500	1.494	(0.969)	1858909	75.9223	2510
*	10 1,4-Dichlorobenzene-d4	152	1.543	1.537	(1.000)	639706	40.0000	
	11 1,4-Dichlorobenzene +	146	1.559	1.548	(1.007)	1920337	78.2797	2590

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
	12 Benzyl alcohol	108	1.703	1.692	(1.100)	1373401	82.0999	2720
	13 1,2-Dichlorobenzene	146	1.655	1.649	(1.069)	1792274	77.0946	2550
	15 2-Methylphenol	108	1.826	1.826	(1.180)	1789971	80.1144	2650
	14 Bis(2-chloroisopropyl)ether	45	1.778	1.772	(1.149)	1888121	74.6561	2470
	17 3- & 4-Methylphenol	108	1.928	1.927	(1.245)	1877394	79.7281	2640
	16 N-Nitroso-di-n-propylamine++	70	1.879	1.869	(1.214)	1789359	81.8422	2710
	18 Hexachloroethane	117	1.863	1.863	(1.204)	811599	75.6201	2500
$	19 Nitrobenzene-d5	82	1.933	1.927	(0.819)	1132023	39.9780	1320(M1)
	20 Nitrobenzene	77	1.944	1.938	(0.823)	3486543	84.4023	2790
	21 Isophorone	82	2.109	2.104	(0.894)	4615152	86.0491	2850
	22 2-Nitrophenol +	139	2.147	2.141	(0.909)	869583	87.1916	2890
	23 2,4-Dimethyphenol	107	2.238	2.238	(0.948)	2096151	85.4115	2830
	24 bis(-2-Chloroethoxy)methane	93	2.270	2.264	(0.961)	2552520	85.8844	2840
	25 Benzoic Acid	122	2.388	2.387	(1.011)	457075	56.5326	1870
	26 2,4-Dichlorophenol +	162	2.323	2.329	(0.984)	1206953	83.6284	2770
	27 1,2,4-Trichlorobenzene	180	2.334	2.334	(0.989)	1544473	85.4335	2830
*	28 Naphthalene-d8	136	2.361	2.355	(1.000)	2176462	40.0000	
	29 Naphthalene	128	2.372	2.371	(1.005)	4709039	83.0164	2750
	30 4-Chloroaniline	127	2.441	2.441	(1.034)	863392	54.8226	1820
	31 Hexachlorobutadiene +	225	2.468	2.462	(1.045)	1049802	85.5065	2830
	32 4-Chloro-3-Methylphenol +	107	2.805	2.805	(1.188)	1392413	76.9606	2550
	33 2-Methylnaphthalene	142	2.794	2.794	(1.183)	3842403	101.251	3350
	145 1-Methylnapthalene	142	2.853	2.847	(1.208)	2464782	75.9090	2510
	34 Hexachlorocyclopentadiene ++	237	2.896	2.896	(0.848)	592179	63.1283	2090
	35 2,4,6-Trichlorophenol +	196	3.003	3.003	(0.879)	792106	90.8558	3010
	36 2,4,5-Trichlorphenol	196	3.051	3.051	(0.893)	783212	87.2790	2890
$	37 2-Fluorobiphenyl	172	3.035	3.035	(0.889)	1373444	44.9450	1490
	38 2-Chloronaphthalene	162	3.083	3.083	(0.903)	2512057	91.9276	3040
	39 2-Nitroaniline	138	3.185	3.179	(0.933)	771610	88.4620	2930
	40 Dimethylphthalate	163	3.308	3.307	(0.969)	2582651	92.7808	3070
	41 2,6-Dinitrotoluene	165	3.340	3.334	(0.978)	600124	68.8924	2280
	42 Acenaphthylene	152	3.324	3.323	(0.973)	3842873	96.7605	3200
	43 3-Nitroaniline	138	3.436	3.430	(1.006)	392268	64.6689	2140
*	44 Acenaphthene-d10	164	3.415	3.414	(1.000)	979660	40.0000	
	45 Acenaphthene +	153	3.431	3.430	(1.005)	2221232	84.0518	2780
	46 2,4-Dinitrophenol ++	184	3.505	3.505	(1.027)	218938	53.1106	1760(M1)
	49 4-Nitrophenol ++	109	3.639	3.644	(1.066)	325561	89.8990	2980
	47 Dibenzofuran	168	3.538	3.537	(1.036)	3277800	92.7943	3070
	48 2,4-Dinitrotoluene	165	3.575	3.575	(1.047)	730188	83.8234	2780
	50 Diethylphthalate	149	3.735	3.735	(1.094)	2235959	86.5713	2870
	52 4-Chlorophenyl-phenylether	204	3.762	3.762	(1.102)	1253836	89.7007	2970
	51 Fluorene	166	3.741	3.741	(1.096)	2386468	82.6679	2740
	53 4-Nitroaniline	138	3.805	3.805	(1.114)	354762	59.0380	1950
	54 4,6-Dinitro-o-cresol	198	3.821	3.821	(0.889)	350994	74.7074	2470
	55 N-nitrosodiphenylamine (1)+	169	3.848	3.848	(0.895)	1538788	97.0885	3210
	56 Azobenzene	77	3.858	3.858	(0.898)	3931463	101.824	3370
$	57 2,4,6-Tribromophenol	332	3.896	3.896	(1.141)	290887	79.2173	2620

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			QUANT SIG					CONCENTRATIONS	
								ON-COLUMN	FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/Kg)
	58	4-Bromophenyl-phenylether	248	4.051	4.051	(0.943)	543276	93.1720	3090
	59	Hexachlorobenzene	284	4.072	4.072	(0.948)	721878	96.5271	3200
	60	Pentachlorophenol +	266	4.217	4.217	(0.981)	318220	70.3294	2330
*	61	Phenanthrene-d10	188	4.297	4.292	(1.000)	1273891	40.0000	
	62	Phenanthrene	178	4.308	4.308	(1.002)	2926584	88.9756	2950
	63	Anthracene	178	4.340	4.340	(1.010)	2838993	88.6920	2940
	64	Carbazole	167	4.463	4.463	(1.039)	2247623	80.5276	2670
	65	Di-n-butylphthalate	149	4.720	4.719	(1.098)	2915796	90.1007	2980
	67	Fluoranthene +	202	5.019	5.014	(1.168)	2683438	82.9509	2750
	69	Pyrene	202	5.142	5.142	(0.871)	2667227	84.2865	2790
$	70	Terphenyl-d14	244	5.276	5.276	(0.894)	875378	42.6933	1410
	71	Butylbenzylphthalate	149	5.607	5.607	(0.950)	1076843	87.4897	2900
	73	3,3'-Dichlorobenzidine	252	5.912	5.912	(1.002)	409652	52.4625	1740
	72	Benzo(a)anthracene	228	5.896	5.891	(0.999)	2467331	94.0814	3120
*	74	Chrysene-d12	240	5.902	5.902	(1.000)	914373	40.0000	
	76	bis(2-Ethylhexyl)phthalate	149	6.014	6.014	(1.019)	1429228	91.8169	3040
	75	Chrysene	228	5.918	5.918	(1.003)	2463391	82.4469	2730
	77	Di-n-octylphthalate +	149	6.474	6.474	(1.097)	2517196	93.1393	3080
	78	Benzo(b)fluoranthene	252	6.634	6.629	(0.963)	2995029	110.853	3670(R)
	79	Benzo(k)fluoranthene	252	6.656	6.645	(0.966)	3142542	85.5749	2830
	80	Benzo(a)pyrene +	252	6.848	6.843	(0.994)	2882288	98.5439	3260
*	81	Perylene-d12	264	6.891	6.880	(1.000)	958875	40.0000	
	82	Indeno(1,2,3-cd)pyrene	276	7.613	7.586	(1.290)	3181079	154.139	5100(RM2)
	83	Dibenzo(a,h)anthracene	278	7.629	7.608	(1.107)	3686829	121.007	4010
	84	Benzo(g,h,i)perylene	276	7.774	7.747	(1.128)	4063290	114.928	3810
M	66	Total Methylphenol	108				3667365	159.843	5290
	91	Acetophenone	105	1.842	1.842	(1.190)	2500254	78.9088	2610
	155	Benzaldehyde	77	1.227	1.221	(0.793)	498635	54.4180	1800
	156	Caprolactam	113	2.709	2.687	(1.147)	405667	83.1923	2750
	157	Biphenyl	154	3.088	3.088	(1.308)	3224743	86.7575	2870
	158	Atrazine	200	4.201	4.195	(0.978)	532215	181.407	6010(R)
	174	1,4-Dioxane	88	0.270	0.259	(0.174)	164815	64.4919	2140

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/MSSV5.i/2080609.s.b/d6442.d

Date : 09-JUN-2008 15:18

Client ID: 20806052207

Sample Info: 20806052207*MSD*

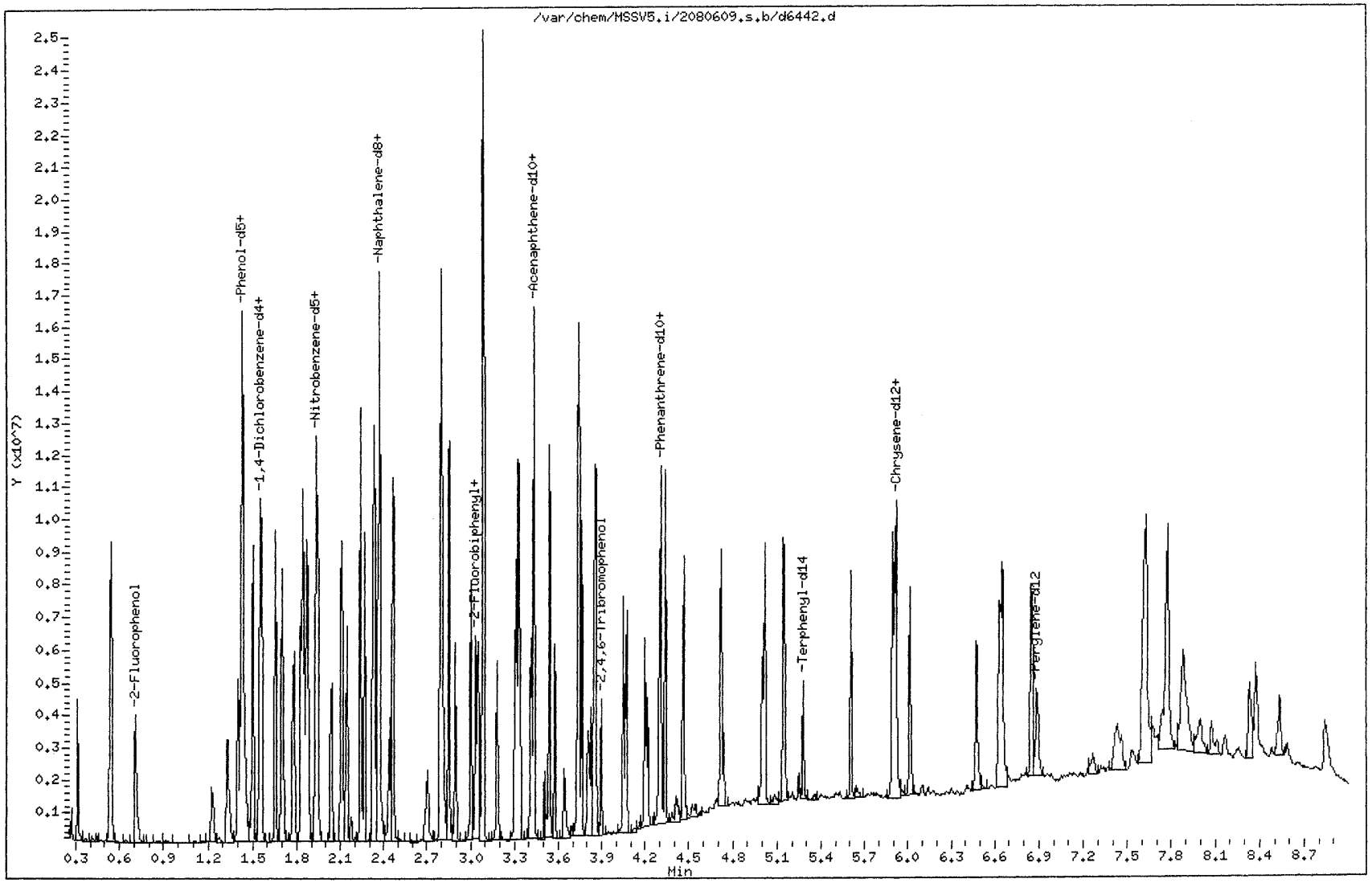
Volume Injected (uL): 1.0

Column phase: RTX-5MS-30M

Instrument: MSSV5.i

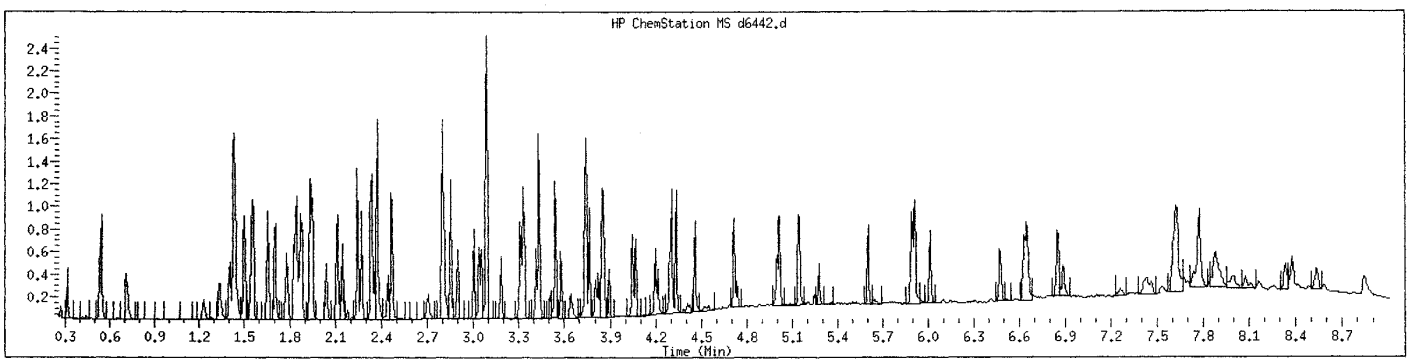
Operator: KCB

Column diameter: 0.25



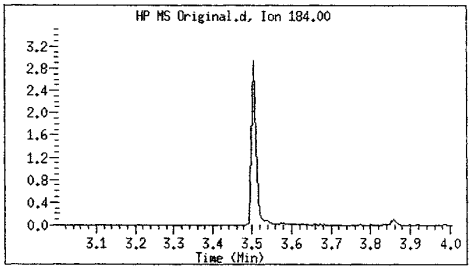
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052207 SampleType : MSD
Injection Date: 06/09/2008 15:18 Instrument : MSSV5.i
Operator : KCB
Sample Info : 20806052207*MSD*
Misc Info : 20806052207*MSSV~5025~*060522*30.2-1*375218*
Method : /var/chem/MSSV5.i/2080609.s.b/8270CE_05.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

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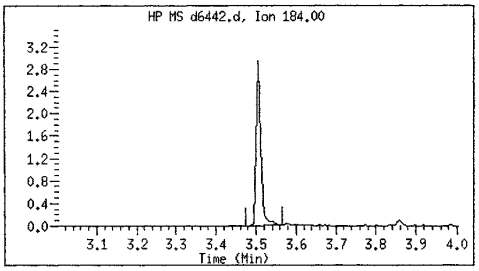
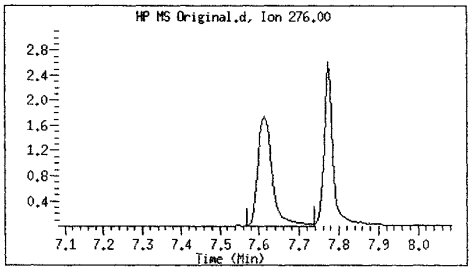
Date: 06/09/2008 16:27



82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5 Reason: M2



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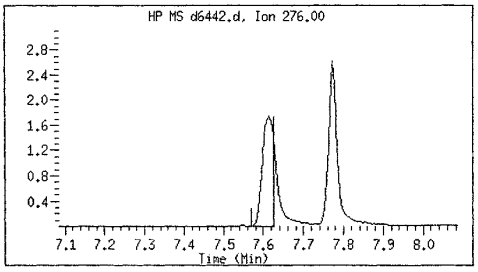
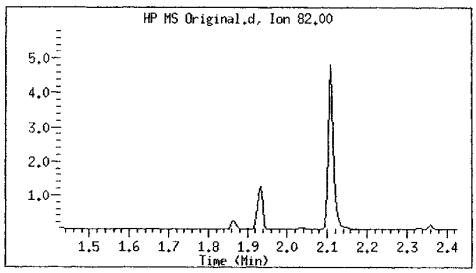


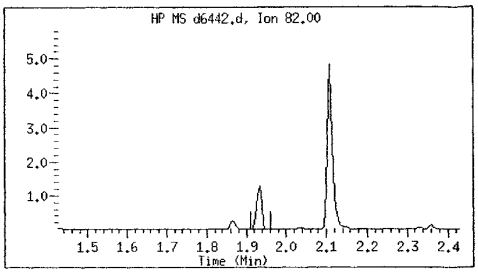
Original Final

$ 19 Nitrobenzene-d5 CAS#: 4165-60-0 Reason: M1



Electronic Signature
Applied

User: root
Date: 06/09/2008 16:27



M1 - Target system did not integrate
M2 - Target system integrated incorrectly

170886

BASE NEUTRAL/ACID SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	6/6/08 15:00	BATCH NO:	375004
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 375004 [EXTO/20414]	611349	30.0	1.0				LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 375004 [EXTO/20414	611350	30.0	1.0				
3	QC ACCOUNT	~~LCSD for HBN 375004 [EXTO/2041~~	~~611351~~	~~30.0~~	~~1.0~~			No LCSD	SEPARATORY FUNNEL/3510
4	4569	WR-1	20806050101	30.2	1.0				
5	4569	WR-2	20806050102	30.2	1.0				SONICATOR/3550
6	4569	WR-3	20806050103	30.1	1.0				
7	4569	WR-4	20806050104	30.0	1.0				SOXHLET/3540
8	4569	WR-5	20806050105	30.0	1.0				
9	4569	WR-6	20806050106	30.0	1.0				GPC CLEANUP/3640
10	4569	WR-7	20806050107	30.3	1.0				
11	4569	WR-8	20806050108	30.3	1.0				WASTE DILUTION/3580
12	4569	WR-9	20806050109	30.1	1.0				
13	4569	WR-10	20806050110	30.4	1.0				TCLP EXTRACTION FLUID 1
14	4482	4WSED3	20806052205	30.0	1.0			Reprep	
15	4482	4WSED3 MS	20806052206	30.2	1.0			Reprep	TCLP EXTRACTION FLUID 2
16	4482	4WSED3 MSD	20806052207	30.1	1.0			Reprep	
17	4482	4WSED2	20806052208	30.4	1.0			Reprep	MECL2/Acetone No:
18	4482	SE600	20806052209	30.3	1.0				G17 E15
19	4482	SWSED8	20806052210	30.2	1.0				ACETONE LOT NO:
20	4482	2WSED10	20806052211	30.1	1.0				
21	0115	B-2-2	20805305602	30.4	1.0				MeCL2 Lot No:
22			~~20806050~~						
23									Sodium Sulfate Lot No:
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	430548	8270 SPIKE ID		625 SPIKE ID	43547	TECHNICIAN	DATE
VOLUME	1.0 mL	VOLUME		VOLUME	1.0mL		6-6-08
CONCENTRATION	50/100ug/mL	CONCENTRATION		CONCENTRATION	100ug/mL		
NaOH		ACID				SUPERVISOR	DATE
SPIKE WITNESS	KLB						6-7-08

BASE NEUTRAL/ACID SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12/9/08 0800	BATCH NO:	375218
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 375218 [EXTO/20446]	612544	30.0	1.0				LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 375218 [EXTO/20446	612545	30.0	1.0				
3	QC ACCOUNT	LCSD for HBN 375218 [EXTO/2044	612546	30.0	1.0				SEPARATORY FUNNEL/3510
4	4482	4WSED3 MS	20806052206	30.2	1.0				
5	4482	4WSED3 MSD	20806052207	30.2	1.0				SONICATOR/3550 ✓
6	4482	4WSED3	20806052205	30.0	1.0				
7	4482	4WSED2	20806052208	30.1	1.0				SOXHLET/3540
8									
9									GPC CLEANUP/3640
10									
11									WASTE DILUTION/3580
12									
13									TCLP EXTRACTION FLUID 1
14									
15									TCLP EXTRACTION FLUID 2
16									
17									MECL2/Acetone No: G17 E15
18									
19									ACETONE LOT NO:
20									
21									MeCL2 Lot No: G17 E29
22									
23									Sodium Sulfate Lot No: E40E17
24									
25									
26									
27									
28									

SKB 12/9/08

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

SURROGATE ID	430547	8270 SPIKE ID		625 SPIKE ID	430547	TECHNICIAN	DATE
VOLUME	1.0ml	VOLUME		VOLUME	1.0ml	K. Berry	12/9/08
CONCENTRATION	100ug/ml	CONCENTRATION		CONCENTRATION	100ug/ml		
NaOH	N	ACID				SUPERVISOR	DATE
SPIKE WITNESS	KS					John Bailey	06/09/08

BASE NEUTRAL/ACID SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	6-7-08 1200	BATCH NO:	375086
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 375086 [EXTO/20428]	611830	1000	1.0	>11	<2		LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 375086 [EXTO/20428	611831	1000	1.0	>11	<2		
3	QC ACCOUNT	LCSD for HBN 375086 [EXTO/2042	611832	1000	1.0	>11	<2		SEPARATORY FUNNEL/3510
4	4329	SPENT CATALYST (TCLP)	20806042502	200	1.0	>11	<2		
5	QC ACCOUNT	SPENT CATALYST (T... (611021MS)	611833	200	1.0	>11	<2		SONICATOR/3550
6	QC ACCOUNT	SPENT CATALYST (... (611021MSD)	611834	200	1.0	>11	<2		
7	4482	SE-060408-EB	20806052212	980	1.0	>11	<2		SOXHLET/3540
8	4482	SE-060408-FB	20806052213	990	1.0	>11	<2		
9	4583	FT-2	20806054201	10	1.0	>11	<2		GPC CLEANUP/3640
10	4547	DRUMS 1-8	20806047701	200	1.0	>11	<2		
11	4565	9144-DS 001	20806052601	990	1.0	>11	<2		WASTE DILUTION/3580
12	4565	135137	20806054602	970	1.0	>11	<2		
13	0267	27316-060508-N09R (1)	20806054301	990	1.0	>11	<2		TCLP EXTRACTION FLUID 1
14	4565	134998	20806042803	980	1.0	>11	<2		
15	0176	DEWATER BIN #278938	20806053501	200	1.0	>11	<2		TCLP EXTRACTION FLUID 2
16	4447	WASTE PAD RINSATE RE-ANALYSIS	20806060701	960	1.0	>11	<2		
17	4565	080604X039-02	20806061501	990	1.0	>11	<2		MECL2/Acetone No:
18			TBLK	200	1.0	>11	<2		
19									ACETONE LOT NO:
20									
21									MeCL2 Lot No:
22									G17E29
23									Sodium Sulfate Lot No:
24				SKB 06/09/08					E40617
25									
26									
27									
28									

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

SURROGATE ID	430-54-8	8270 SPIKE ID		625 SPIKE ID	435-4-7	TECHNICIAN	DATE
VOLUME	1.0	VOLUME		VOLUME	1.0	Andrea Stelle	6-7-08
CONCENTRATION	50/100 ug/ml	CONCENTRATION		CONCENTRATION	100 ug/ml		
NaOH	448-8-1	ACID	307-18-1			SUPERVISOR	DATE
SPIKE WITNESS	BW					John Bailey	06/09/08

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 02-JUN-2008
Instrument: MSSV5.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	d6197c.d	0.00 ml	02-JUN-2008 08:07	1.000	KCB	1	all
1100	35-6-6	d6197.d	0.00 ml	02-JUN-2008 08:07	1.000	KCB	1	all
1205	35-22-2	d6198.d	1000.00 ml	02-JUN-2008 08:24	1.000	KCB	2	8270C
1205	35-22-2	d6198D.d	1000.00 ml	02-JUN-2008 08:24	1.000	KCB	2	8270C
1400	35-16-14	d6199.d	1000.00 ml	02-JUN-2008 08:39	1.000	KCB	3	APP9
1400	35-16-14	d6199D.d	1000.00 ml	02-JUN-2008 08:39	1.000	KCB	3	APP9
1400	35-21-1	d6200.d	1000.00 ml	02-JUN-2008 08:54	1.000	KCB	4	APQ
1400	35-21-1	d6200D.d	1000.00 ml	02-JUN-2008 08:54	1.000	KCB	4	APQ
1204	35-22-2	d6201.d	1000.00 ml	02-JUN-2008 09:09	1.000	KCB	5	8270C
1204	35-22-2	d6201D.d	1000.00 ml	02-JUN-2008 09:09	1.000	KCB	5	8270C
1206	35-22-3	d6202.d	1000.00 ml	02-JUN-2008 09:24	1.000	KCB	6	8270C
1206	35-22-3	d6202D.d	1000.00 ml	02-JUN-2008 09:24	1.000	KCB	6	8270C
1207	35-22-4	d6203.d	1000.00 ml	02-JUN-2008 09:39	1.000	KCB	7	8270C
1207	35-22-4	d6203D.d	1000.00 ml	02-JUN-2008 09:39	1.000	KCB	7	8270C
1208	35-22-5	d6204.d	1000.00 ml	02-JUN-2008 09:55	1.000	KCB	8	8270C
1208	35-22-5	d6204D.d	1000.00 ml	02-JUN-2008 09:55	1.000	KCB	8	8270C
1209	35-22-6	d6205.d	1000.00 ml	02-JUN-2008 10:10	1.000	KCB	9	8270C
1209	35-22-6	d6205D.d	1000.00 ml	02-JUN-2008 10:10	1.000	KCB	9	8270C
1203	35-22-7	d6206.d	1000.00 ml	02-JUN-2008 10:25	1.000	KCB	10	8270C
1203	35-22-7	d6206D.d	1000.00 ml	02-JUN-2008 10:25	1.000	KCB	10	8270C
1202	35-22-8	d6207.d	1000.00 ml	02-JUN-2008 10:41	1.000	KCB	11	8270C
1202	35-22-8	d6207D.d	1000.00 ml	02-JUN-2008 10:41	1.000	KCB	11	8270C
1201	35-22-9	d6208.d	1000.00 ml	02-JUN-2008 10:56	1.000	KCB	12	8270C
1201	35-22-9	d6208D.d	1000.00 ml	02-JUN-2008 10:56	1.000	KCB	12	8270C
1600	35-22-10	d6209.d	1000.00 ml	02-JUN-2008 11:12	1.000	KCB	13	ICV
1600	35-22-10	d6209D.d	1000.00 ml	02-JUN-2008 11:12	1.000	KCB	13	ICV
1600	35-22-11	d6210.d	1000.00 ml	02-JUN-2008 12:08	1.000	sah	13	8270C
1600	35-22-11	d6210D.d	1000.00 ml	02-JUN-2008 12:08	1.000	sah	13	8270C
20805221308	4466	d6211.d	990.00 ml	02-JUN-2008 12:23	1.000	sah	14	SA8270
20805221309	4466	d6212.d	980.00 ml	02-JUN-2008 12:39	1.000	sah	15	SA8270
609505	BLK	d6213.d	30.00 g	02-JUN-2008 12:58	1.000	sah	16	all
609506	LCS	d6214.d	30.00 g	02-JUN-2008 13:13	1.000	sah	17	SA8270
609507	LCSD	d6215.d	30.00 g	02-JUN-2008 13:29	1.000	sah	18	SA8270
20805290901	4565	d6216.d	30.10 g	02-JUN-2008 13:44	1.000	sah	19	all
20805290902	4565	d6217.d	30.20 g	02-JUN-2008 14:00	1.000	sah	20	all
20805290903	4565	d6218.d	30.10 g	02-JUN-2008 14:15	1.000	sah	21	all

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 07-JUN-2008
Instrument: MSSV5.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	d6364c.d	0.00 ml	07-JUN-2008 08:41	1.000	KCB	1	all
1100	35-6-6	d6364.d	0.00 ml	07-JUN-2008 08:41	1.000	KCB	1	all
1400	35-22-2	d6365.d	1000.00 ml	07-JUN-2008 08:56	1.000	KCB	2	8270C
1400	35-2312	d6366.d	1000.00 ml	07-JUN-2008 09:12	1.000	KCB	3	APP9
1400	35-22-2	d6367.d	1000.00 ml	07-JUN-2008 09:27	1.000	KCB	2	8270C
1400	35-22-2	d6368.d	1000.00 ml	07-JUN-2008 09:43	1.000	KCB	2	8270C
20806070101	0523	d6369.d	990.00 ml	07-JUN-2008 10:11	1.000	KCB	4	dinoseb+lcs
20806070102	0523	d6370.d	990.00 ml	07-JUN-2008 10:26	1.000	KCB	5	dinoseb+lcs
20806070103	0523	d6371.d	980.00 ml	07-JUN-2008 10:41	1.000	KCB	6	dinoseb+lcs
20806070104	0523	d6372.d	990.00 ml	07-JUN-2008 10:56	1.000	KCB	7	dinoseb+lcs
612216	BLK	d6373.d	1000.00 ml	07-JUN-2008 11:12	1.000	KCB	8	dinoseb+lcs
612217	LCS	d6374.d	1000.00 ml	07-JUN-2008 11:27	1.000	KCB	9	dinoseb+lcs
612218	LCSD	d6375.d	1000.00 ml	07-JUN-2008 11:42	1.000	KCB	10	dinoseb+lcs
611879	BLK	d6376.d	1.00 g	07-JUN-2008 11:58	1.000	KCB	11	HEX
611880	LCS	d6377.d	1.00 g	07-JUN-2008 12:13	1.000	KCB	12	HEX
611881	LCSD	d6378.d	1.00 g	07-JUN-2008 12:28	1.000	KCB	13	HEX
20806045001	4514	d6379.d	1.00 g	07-JUN-2008 12:43	50.000	KCB	14	HEX
611882	MS	d6380.d	1.00 g	07-JUN-2008 12:59	50.000	KCB	15	HEX
611883	MSD	d6381.d	1.00 g	07-JUN-2008 13:14	50.000	KCB	16	HEX
611349	BLK	d6382.d	30.00 g	07-JUN-2008 13:29	1.000	KCB	17	all
611350	LCS	d6383.d	30.00 g	07-JUN-2008 13:44	1.000	KCB	18	SA8270
611351	LCSD	d6384.d	30.00 g	07-JUN-2008 14:00	1.000	KCB	19	SA8270
20806050101	4569	d6385.d	30.20 g	07-JUN-2008 14:15	1.000	KCB	20	all
20806050102	4569	d6386.d	30.20 g	07-JUN-2008 14:30	1.000	KCB	21	all
20806050103	4569	d6387.d	30.10 g	07-JUN-2008 14:46	1.000	KCB	22	all
20806050104	4569	d6388.d	30.00 g	07-JUN-2008 15:01	1.000	KCB	23	all
20806050105	4569	d6389.d	30.00 g	07-JUN-2008 15:16	1.000	KCB	24	all
20806050106	4569	d6390.d	30.10 g	07-JUN-2008 15:32	1.000	KCB	25	all
20806050107	4569	d6391.d	30.30 g	07-JUN-2008 15:47	1.000	KCB	26	all
20806050108	4569	d6392.d	30.30 g	07-JUN-2008 16:02	1.000	KCB	27	all
20806050109	4569	d6393.d	30.10 g	07-JUN-2008 16:17	1.000	KCB	28	all
20806050110	4569	d6394.d	30.40 g	07-JUN-2008 16:33	1.000	KCB	29	all
20806052205	4482	d6395.d	30.00 g	07-JUN-2008 16:48	1.000	KCB	30	SA8270
20806052206	4482	d6396.d	30.20 g	07-JUN-2008 17:03	1.000	KCB	31	SA8270
20806052207	4482	d6397.d	30.10 g	07-JUN-2008 17:19	1.000	KCB	32	SA8270
20806052208	4482	d6398.d	30.40 g	07-JUN-2008 17:34	1.000	KCB	33	SA8270

170891

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 07-JUN-2008
Instrument: MSSV5.i

Standard	Conc ppm	Lot No.
DFTPP	50	
Int. Standard	4000	

Inst. Conditions: _____

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MISC: _____

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Sample ID	ClientName	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
20806052209	4482	d6399.d	30.30 g	07-JUN-2008 17:49	1.000	KCB	34	SA8270
20806052210	4482	d6400.d	30.20 g	07-JUN-2008 18:04	1.000	KCB	35	SA8270
20806052211	4482	d6401.d	30.10 g	07-JUN-2008 18:20	1.000	KCB	36	SA8270
20805305602	0115	d6402.d	30.40 g	07-JUN-2008 18:35	1.000	KCB	37	all

170892

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 09-JUN-2008
Instrument: MSSV5.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	d6415c.d	0.00 ml	09-JUN-2008 08:21	1.000	KCB	1	all
1100	35-6-6	d6415.d	0.00 ml	09-JUN-2008 08:21	1.000	KCB	1	all
1400	35-22-2	d6416.d	1000.00 ml	09-JUN-2008 08:36	1.000	KCB	2	8270C
1400	35-23-12	d6417.d	1000.00 ml	09-JUN-2008 08:51	1.000	KCB	3	APP9
1400	35-21-1	d6418.d	1000.00 ml	09-JUN-2008 09:06	1.000	KCB	4	APQ
20806055502	2554	d6419.d	990.00 ml	09-JUN-2008 09:21	1.000	KCB	5	SA8270
611830	BLK	d6420.d	1000.00 ml	09-JUN-2008 09:37	1.000	KCB	6	all
611831	LCS	d6421.d	1000.00 ml	09-JUN-2008 09:52	1.000	KCB	7	SA8270
611832	LCSD	d6422.d	1000.00 ml	09-JUN-2008 10:09	1.000	KCB	8	SA8270
20806042502	4329	d6423.d	200.00 ml	09-JUN-2008 10:25	1.000	KCB	9	TCLPBA
612469	BLK	d6424.d	1000.00 ml	09-JUN-2008 10:40	1.000	KCB	23	dinoseb+lcs
612470	LCS	d6425.d	1000.00 ml	09-JUN-2008 10:56	1.000	KCB	24	dinoseb+lcs
612471	LCSD	d6426.d	1000.00 ml	09-JUN-2008 11:11	1.000	KCB	25	dinoseb+lcs
20806090101	0523	d6427.d	900.00 ml	09-JUN-2008 11:27	1.000	KCB	26	dinoseb+lcs
20806090102	0523	d6428.d	910.00 ml	09-JUN-2008 11:43	1.000	KCB	27	dinoseb+lcs
20806090103	0523	d6429.d	890.00 ml	09-JUN-2008 11:58	1.000	KCB	28	dinoseb+lcs
20806090104	0523	d6430.d	900.00 ml	09-JUN-2008 12:13	1.000	KCB	29	dinoseb+lcs
20806090201	0523	d6431.d	880.00 ml	09-JUN-2008 12:29	1.000	KCB	30	dinoseb+lcs
20806090202	0523	d6432.d	920.00 ml	09-JUN-2008 12:44	1.000	KCB	31	dinoseb+lcs
20806090203	0523	d6433.d	1000.00 ml	09-JUN-2008 13:00	1.000	KCB	32	dinoseb+lcs
611833	MS	d6434.d	200.00 ml	09-JUN-2008 13:15	1.000	KCB	10	SA8270
611834	MSD	d6435.d	200.00 ml	09-JUN-2008 13:31	1.000	KCB	11	SA8270
20806052212	4482	d6436.d	980.00 ml	09-JUN-2008 13:46	1.000	KCB	12	SA8270
20806052213	4482	d6437.d	990.00 ml	09-JUN-2008 14:02	1.000	KCB	13	SA8270
612544	BLK	d6438.d	30.00 g	09-JUN-2008 14:17	1.000	KCB	33	SA8270
612545	LCS	d6439.d	30.00 g	09-JUN-2008 14:32	1.000	KCB	34	SA8270
612546	LCSD	d6440.d	30.00 g	09-JUN-2008 14:48	1.000	KCB	35	SA8270
20806052205	MS	d6441.d	30.00 g	09-JUN-2008 15:03	1.000	KCB	36	SA8270
20806052207	MSD	d6442.d	30.20 g	09-JUN-2008 15:18	1.000	KCB	37	SA8270
20806052206	4482	d6443.d	30.20 g	09-JUN-2008 15:34	1.000	KCB	38	SA8270
20806052208	4482	d6444.d	30.10 g	09-JUN-2008 15:49	1.000	KCB	39	SA8270
20806054201	4583	d6445.d	10000.00 ml	09-JUN-2008 16:04	10.000	KCB	14	all
20806047701	4547	d6446.d	200.00 ml	09-JUN-2008 16:20	1.000	KCB	15	TCLPBA
20806052601	4565	d6447.d	990.00 ml	09-JUN-2008 16:35	1.000	KCB	16	SA8270
20806054602	0267	d6448.d	970.00 ml	09-JUN-2008 16:51	1.000	KCB	17	pah
20806042803	4565	d6449.d	980.00 ml	09-JUN-2008 17:06	1.000	KCB	18	SA8270

170893

2E

WATER ORGANIC SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

GC Column (1): RTX-35MS-3 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.	SE-060408-EB	55	45	148						49	34	135						0
2.	SE-060408-FB	73	45	148						62	34	135						0
3.	MB611654	74	45	148						77	34	135						0
4.	LCS611655	84	45	148						84	34	135						0
5.	LCSD611656	82	45	148						83	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.: 208060522

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.	4WSED3	0	D			0	D			0
2.	4WSED3 MS	0	D			0	D			0
3.	4WSED3 MSD	0	D			0	D			0
4.	4WSED2	52				125				0
5.	SE600	52				119				0
6.	SWSED8	58				62				0
7.	2WSED10	59				79				0
8.	MB611523	94				92				0
9.	LCS611524	78				84				0
10.	LCSD611525	74				76				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.: 208060522

Contract: Method: SW-846 8081A

Prep Batch: 375060 Analytical Batch: 375340

SAMPLE NO : 611655

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
4,4'-DDD	mg/L	.0005	0	.000418	84		35 - 165
4,4'-DDE	mg/L	.0005	0	.000398	80		57 - 139
4,4'-DDT	mg/L	.0005	0	.000391	78		32 - 148
Aldrin	mg/L	.0005	0	.000388	78		51 - 144
Dieldrin	mg/L	.0005	0	.000415	83		59 - 169
Endosulfan I	mg/L	.0005	0	.00039	78		45 - 159
Endosulfan II	mg/L	.0005	0	.000391	78		49 - 165
Endosulfan sulfate	mg/L	.0005	0	.000414	83		26 - 164
Endrin	mg/L	.0005	0	.000454	91		53 - 168
Endrin aldehyde	mg/L	.0005	0	.000371	74		53 - 186
Endrin ketone	mg/L	.0005	0	.000454	91		31 - 169
Heptachlor	mg/L	.0005	0	.000416	83		51 - 152
Heptachlor epoxide	mg/L	.0005	0	.00043	86		56 - 147
Methoxychlor	mg/L	.0005	0	.000384	77		29 - 179
alpha-BHC	mg/L	.0005	0	.000436	87		45 - 162
alpha-Chlordane	mg/L	.0005	0	.000394	79		55 - 143
beta-BHC	mg/L	.0005	0	.000446	89		53 - 153
delta-BHC	mg/L	.0005	0	.000437	87		61 - 141
gamma-BHC (Lindane)	mg/L	.0005	0	.000435	87		37 - 143
gamma-Chlordane	mg/L	.0005	0	.000397	79		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.: 208060522

Contract: Method: SW-846 8081A

Prep Batch: 375060 Analytical Batch: 375340

SAMPLE NO : ***611656***

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	*REC FLAG*	*% RPD*	*RPD FLAG*	*QC. LIMITS REC*	*RPD*
4,4'-DDD	mg/L	.0005	.000428	86		2		35 - 165	0 - 40
4,4'-DDE	mg/L	.0005	.000405	81		2		57 - 139	0 - 40
4,4'-DDT	mg/L	.0005	.00041	82		5		32 - 148	0 - 40
Aldrin	mg/L	.0005	.000382	76		2		51 - 144	0 - 40
Dieldrin	mg/L	.0005	.000417	83		.5		59 - 169	0 - 40
Endosulfan I	mg/L	.0005	.00039	78		0		45 - 159	0 - 40
Endosulfan II	mg/L	.0005	.000396	79		1		49 - 165	0 - 40
Endosulfan sulfate	mg/L	.0005	.000423	85		2		26 - 164	0 - 40
Endrin	mg/L	.0005	.000459	92		1		53 - 168	0 - 40
Endrin aldehyde	mg/L	.0005	.000376	75		1		53 - 186	0 - 40
Endrin ketone	mg/L	.0005	.00046	92		1		31 - 169	0 - 40
Heptachlor	mg/L	.0005	.000406	81		2		51 - 152	0 - 40
Heptachlor epoxide	mg/L	.0005	.000431	86		.2		56 - 147	0 - 40
Methoxychlor	mg/L	.0005	.000401	80		4		29 - 179	0 - 40
alpha-BHC	mg/L	.0005	.000417	83		4		45 - 162	0 - 40
alpha-Chlordane	mg/L	.0005	.000396	79		.5		55 - 143	0 - 40
beta-BHC	mg/L	.0005	.000441	88		1		53 - 153	0 - 40
delta-BHC	mg/L	.0005	.000444	89		2		61 - 141	0 - 40
gamma-BHC (Lindane)	mg/L	.0005	.000436	87		.2		37 - 143	0 - 40
gamma-Chlordane	mg/L	.0005	.000398	80		.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: 4WSED3

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Method: SW-846 8081A

Prep Batch: 375037 Analytical Batch: 375231

Spike HSN : 20806052206

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*MS % REC FLAG*	*QC. LIMITS*
4,4'-DDD	mg/kg	.02	0	.02	101		31 - 141
4,4'-DDE	mg/kg	.02	0	.023	120		30 - 145
4,4'-DDT	mg/kg	.02	0	.024	124		23 - 134
Aldrin	mg/kg	.02	0	.017	92		35 - 132
Dieldrin	mg/kg	.02	0	.019	98		31 - 134
Endosulfan I	mg/kg	.02	0	.02	101		45 - 153
Endosulfan II	mg/kg	.02	0	.019	97		0 - 202
Endosulfan sulfate	mg/kg	.02	0	.021	105		26 - 144
Endrin	mg/kg	.02	0	.026	134		42 - 139
Endrin aldehyde	mg/kg	.02	0	.019	97		0 - 202
Endrin ketone	mg/kg	.02	0	.024	128		26 - 144
Heptachlor	mg/kg	.02	0	.022	113		35 - 130
Heptachlor epoxide	mg/kg	.02	0	.023	119		37 - 142
Methoxychlor	mg/kg	.02	0	.026	134		26 - 144
alpha-BHC	mg/kg	.02	0	.021	107		37 - 134
alpha-Chlordane	mg/kg	.02	0	.02	104		45 - 119
beta-BHC	mg/kg	.02	0	.026	129		17 - 147
delta-BHC	mg/kg	.02	0	.022	112		19 - 140
gamma-BHC (Lindane)	mg/kg	.02	0	.022	114		46 - 127
gamma-Chlordane	mg/kg	.02	0	.026	131	*	45 - 119

RPD : 11 out of 20 outside limits

Spike Recovery: 1 out of 40 outside limits

3F

SOILORGANIC MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 4WSED3

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Method: SW-846 8081A

Prep Batch: 375037 Analytical Batch: 375231

Spike Dupe HSN : 20806052207

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	*REC FLAG*	*% RPD*	*RPD FLAG*	*QC. LIMITS REC*	*RPD*
4,4'-DDD	mg/kg	.02	.015	77		27		31 - 141	0 - 40
4,4'-DDE	mg/kg	.02	.014	70		50	*	30 - 145	0 - 40
4,4'-DDT	mg/kg	.02	.00973	50		86	*	23 - 134	0 - 40
Aldrin	mg/kg	.02	.014	72		22		35 - 132	0 - 40
Dieldrin	mg/kg	.02	.013	68		37		31 - 134	0 - 40
Endosulfan I	mg/kg	.02	.012	62		52	*	45 - 153	0 - 40
Endosulfan II	mg/kg	.02	.014	70		29		0 - 202	0 - 40
Endosulfan sulfate	mg/kg	.02	.014	74		40		26 - 144	0 - 40
Endrin	mg/kg	.02	.015	77		51	*	42 - 139	0 - 40
Endrin aldehyde	mg/kg	.02	.013	68		37		0 - 202	0 - 40
Endrin ketone	mg/kg	.02	.015	79		47	*	26 - 144	0 - 40
Heptachlor	mg/kg	.02	.015	76		38		35 - 130	0 - 40
Heptachlor epoxide	mg/kg	.02	.015	77		42	*	37 - 142	0 - 40
Methoxychlor	mg/kg	.02	.011	56		82	*	26 - 144	0 - 40
alpha-BHC	mg/kg	.02	.014	74		40		37 - 134	0 - 40
alpha-Chlordane	mg/kg	.02	.013	66		43	*	45 - 119	0 - 40
beta-BHC	mg/kg	.02	.015	79		51	*	17 - 147	0 - 40
delta-BHC	mg/kg	.02	.014	74		45	*	19 - 140	0 - 40
gamma-BHC (Lindane)	mg/kg	.02	.015	75		38		46 - 127	0 - 40
gamma-Chlordane	mg/kg	.02	.014	72		59	*	45 - 119	0 - 40

RPD : 11 out of 20 outside limits

Spike Recovery: 1 out of 40 outside limits

FORM III ORG-2

170899

3F

SOIL ORGANIC LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Method: SW-846 8081A

Prep Batch: 375037 Analytical Batch: 375231

Spike HSN : 611524

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
4,4'-DDD	mg/kg	.017	0	.014	85		31 - 141
4,4'-DDE	mg/kg	.017	0	.014	82		30 - 145
4,4'-DDT	mg/kg	.017	0	.013	80		23 - 134
Aldrin	mg/kg	.017	0	.013	80		35 - 132
Dieldrin	mg/kg	.017	0	.014	83		31 - 134
Endosulfan I	mg/kg	.017	0	.013	79		45 - 153
Endosulfan II	mg/kg	.017	0	.013	79		0 - 202
Endosulfan sulfate	mg/kg	.017	0	.014	85		26 - 144
Endrin	mg/kg	.017	0	.015	91		42 - 139
Endrin aldehyde	mg/kg	.017	0	.013	76		0 - 202
Endrin ketone	mg/kg	.017	0	.015	92		26 - 144
Heptachlor	mg/kg	.017	0	.014	86		35 - 130
Heptachlor epoxide	mg/kg	.017	0	.014	86		37 - 142
Methoxychlor	mg/kg	.017	0	.013	79		26 - 144
alpha-BHC	mg/kg	.017	0	.014	86		37 - 134
alpha-Chlordane	mg/kg	.017	0	.013	79		45 - 119
beta-BHC	mg/kg	.017	0	.015	89		17 - 147
delta-BHC	mg/kg	.017	0	.015	89		19 - 140
gamma-BHC (Lindane)	mg/kg	.017	0	.014	86		46 - 127
gamma-Chlordane	mg/kg	.017	0	.014	84		45 - 119

RPD : 0 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.: 208060522

Contract: Method: SW-846 8081A

Prep Batch: 375037 Analytical Batch: 375231

Spike Dupe HSN : 611525

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	.013	80		7		31 - 141	0 - 40
4,4'-DDE	mg/kg	.017	.013	77		7		30 - 145	0 - 40
4,4'-DDT	mg/kg	.017	.012	70		8		23 - 134	0 - 40
Aldrin	mg/kg	.017	.013	77		0		35 - 132	0 - 40
Dieldrin	mg/kg	.017	.013	79		7		31 - 134	0 - 40
Endosulfan I	mg/kg	.017	.013	76		0		45 - 153	0 - 40
Endosulfan II	mg/kg	.017	.013	75		0		0 - 202	0 - 40
Endosulfan sulfate	mg/kg	.017	.013	79		7		26 - 144	0 - 40
Endrin	mg/kg	.017	.014	85		7		42 - 139	0 - 40
Endrin aldehyde	mg/kg	.017	.012	72		8		0 - 202	0 - 40
Endrin ketone	mg/kg	.017	.014	86		7		26 - 144	0 - 40
Heptachlor	mg/kg	.017	.014	83		0		35 - 130	0 - 40
Heptachlor epoxide	mg/kg	.017	.014	82		0		37 - 142	0 - 40
Methoxychlor	mg/kg	.017	.011	68		17		26 - 144	0 - 40
alpha-BHC	mg/kg	.017	.014	84		0		37 - 134	0 - 40
alpha-Chlordane	mg/kg	.017	.012	74		8		45 - 119	0 - 40
beta-BHC	mg/kg	.017	.014	86		7		17 - 147	0 - 40
delta-BHC	mg/kg	.017	.014	85		7		19 - 140	0 - 40
gamma-BHC (Lindane)	mg/kg	.017	.014	82		0		46 - 127	0 - 40
gamma-Chlordane	mg/kg	.017	.013	77		7		45 - 119	0 - 40

RPD : 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

FORM III ORG-2

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB611523

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

Lab Sample ID: 611523 | SAS No.: | SDG No.: 208060522

Matrix: Soil | Sulfur Cleanup: (Y/N) N | Date Extracted: 06/05/08

Date Analyzed (1): 06/07/08 | Time (1): 1440 | Date Analyzed (2): | Time (2):

Instrument ID (1): GCS16A | Instrument ID (2):

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

Method: SW-846 8081A | Prep Batch: 375037 | Analytical Batch: 375231

Lab File ID: 2080606/sv16a0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	4WSED3	20806052205	06/06/08	1415		
2.	4WSED2	20806052208	06/06/08	1437		
3.	SE600	20806052209	06/06/08	1456		
4.	2WSED10	20806052211	06/06/08	1533		
5.	LCS611524	611524	06/06/08	1800		
6.	LCSD611525	611525	06/06/08	1819		
7.	4WSED3 MS	20806052206	06/07/08	1505		
8.	4WSED3 MSD	20806052207	06/07/08	1524		
9.	SWSED8	20806052210	06/09/08	1352		

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB611654

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

Lab Sample ID: 611654 | SAS No.: | SDG No.: 208060522

Matrix: Water | Sulfur Cleanup: (Y/N) N | Date Extracted: 06/05/08

Date Analyzed (1): 06/08/08 | Time (1): 1802 | Date Analyzed (2): | Time (2):

Instrument ID (1): GCS16A | Instrument ID (2):

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

Method: SW-846 8081A | Prep Batch: 375060 | Analytical Batch: 375340

Lab File ID: 2080608/sv16a0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS611655	611655	06/08/08	1820		
2.	LCSD611656	611656	06/08/08	1839		
3.	SE-060408-EB	20806052212	06/08/08	1935		
4.	SE-060408-FB	20806052213	06/08/08	1954		

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED3

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30.2 | Units: g | Lab Sample ID: 20806052205

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 1200

% Moisture: 14.2 | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/06/08 | Time: 1415

Soil Aliquot Volume: (µL) | Dilution Factor: 10 | Analyst: TLS

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

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

Prep Batch: 375037 | Analytical Batch: 375231 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080606/sv16a007

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.023	U	0.00515	0.023
72-55-9	4,4'-DDE	0.023	U	0.00446	0.023
50-29-3	4,4'-DDT	0.023	U	0.00498	0.023
309-00-2	Aldrin	0.012	U	0.00440	0.012
60-57-1	Dieldrin	0.023	U	0.00434	0.023
959-98-8	Endosulfan I	0.012	U	0.00417	0.012
33213-65-9	Endosulfan II	0.023	U	0.00504	0.023
1031-07-8	Endosulfan sulfate	0.023	U	0.00527	0.023
72-20-8	Endrin	0.023	U	0.00521	0.023
7421-93-4	Endrin aldehyde	0.023	U	0.00579	0.023
53494-70-5	Endrin ketone	0.023	U	0.00527	0.023
76-44-8	Heptachlor	0.012	U	0.00388	0.012
1024-57-3	Heptachlor epoxide	0.012	U	0.00417	0.012
72-43-5	Methoxychlor	0.116	U	0.00637	0.116
8001-35-2	Toxaphene	1.16	U	0.054	1.16
319-84-6	alpha-BHC	0.012	U	0.00388	0.012
5103-71-9	alpha-Chlordane	0.012	U	0.00399	0.012
319-85-7	beta-BHC	0.023	U	0.00480	0.023
319-86-8	delta-BHC	0.012	U	0.00504	0.012
58-89-9	gamma-BHC (Lindane)	0.012	U	0.00365	0.012
5103-74-2	gamma-Chlordane	0.012	U	0.00423	0.012

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a007.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a007.d
Lab Smp Id: 20806052205
Inj Date : 06-JUN-2008 14:15
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052205*10
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 7
Dil Factor: 10.00000
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	10.00000	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

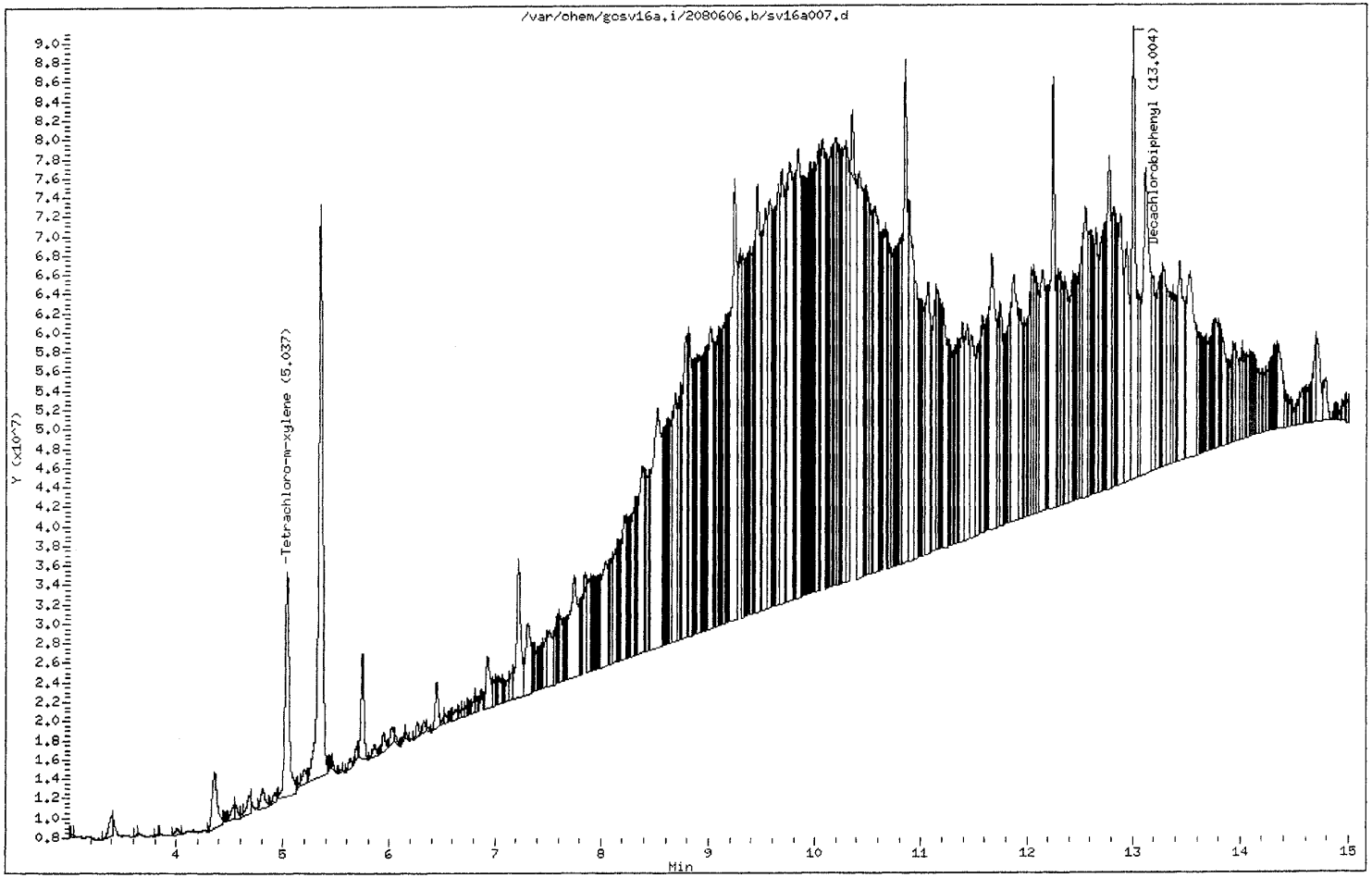
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	5.037	5.017	0.020	63437908	8.09928	13
$ 22 Decachlorobiphenyl	13.004	12.990	0.014	117171172	20.2123	33

170905

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a007.d
Date : 06-JUN-2008 14:15
Client ID:
Sample Info: 20806052205x10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

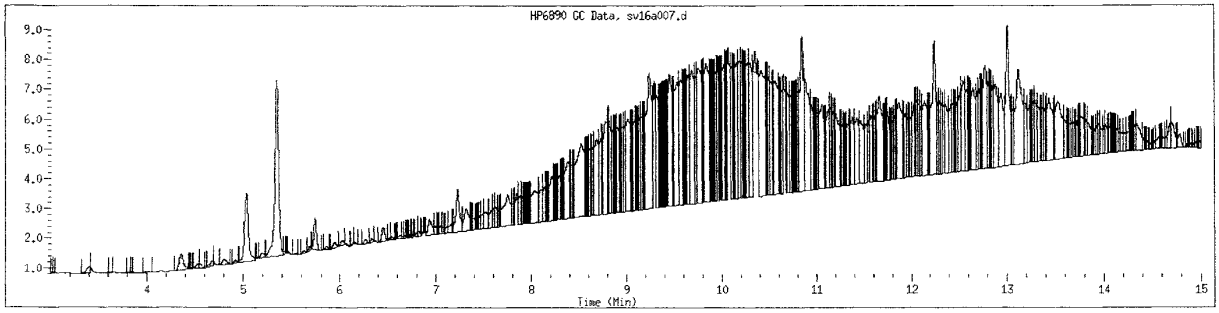
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080606.b/sv16a007.d Page: 1
Report Date: 06/09/2008 12:31

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052205 SampleType : SAMPLE
Injection Date: 06/06/2008 14:15 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20806052205*10
Misc Info :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Dilution : 10
Matrix : SOIL
Integrator : Falcon Compound Sublist: all



NO MANUAL INTEGRATIONS

170907

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED2

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20806052208

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 1245

% Moisture: 33.3 | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/06/08 | Time: 1437

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: 375037 | Analytical Batch: 375231 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080606/sv16a008

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00299	U	0.000665	0.00299
72-55-9	4,4'-DDE	0.00299	U	0.000575	0.00299
50-29-3	4,4'-DDT	0.00299	U	0.000642	0.00299
309-00-2	Aldrin	0.00149	U	0.000568	0.00149
60-57-1	Dieldrin	0.00299	U	0.000560	0.00299
959-98-8	Endosulfan I	0.00149	U	0.000538	0.00149
33213-65-9	Endosulfan II	0.00299	U	0.000650	0.00299
1031-07-8	Endosulfan sulfate	0.00299	U	0.000680	0.00299
72-20-8	Endrin	0.00299	U	0.000672	0.00299
7421-93-4	Endrin aldehyde	0.00299	U	0.000747	0.00299
53494-70-5	Endrin ketone	0.00299	U	0.000680	0.00299
76-44-8	Heptachlor	0.00149	U	0.000501	0.00149
1024-57-3	Heptachlor epoxide	0.00149	U	0.000538	0.00149
72-43-5	Methoxychlor	0.015	U	0.000822	0.015
8001-35-2	Toxaphene	0.149	U	0.00700	0.149
319-84-6	alpha-BHC	0.00149	U	0.000501	0.00149
5103-71-9	alpha-Chlordane	0.00149	U	0.000515	0.00149
319-85-7	beta-BHC	0.00299	U	0.000620	0.00299
319-86-8	delta-BHC	0.00149	U	0.000650	0.00149
58-89-9	gamma-BHC (Lindane)	0.00149	U	0.000471	0.00149
5103-74-2	gamma-Chlordane	0.00149	U	0.000545	0.00149

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a008.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a008.d
Lab Smp Id: 20806052208
Inj Date : 06-JUN-2008 14:37
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052208*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 8
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

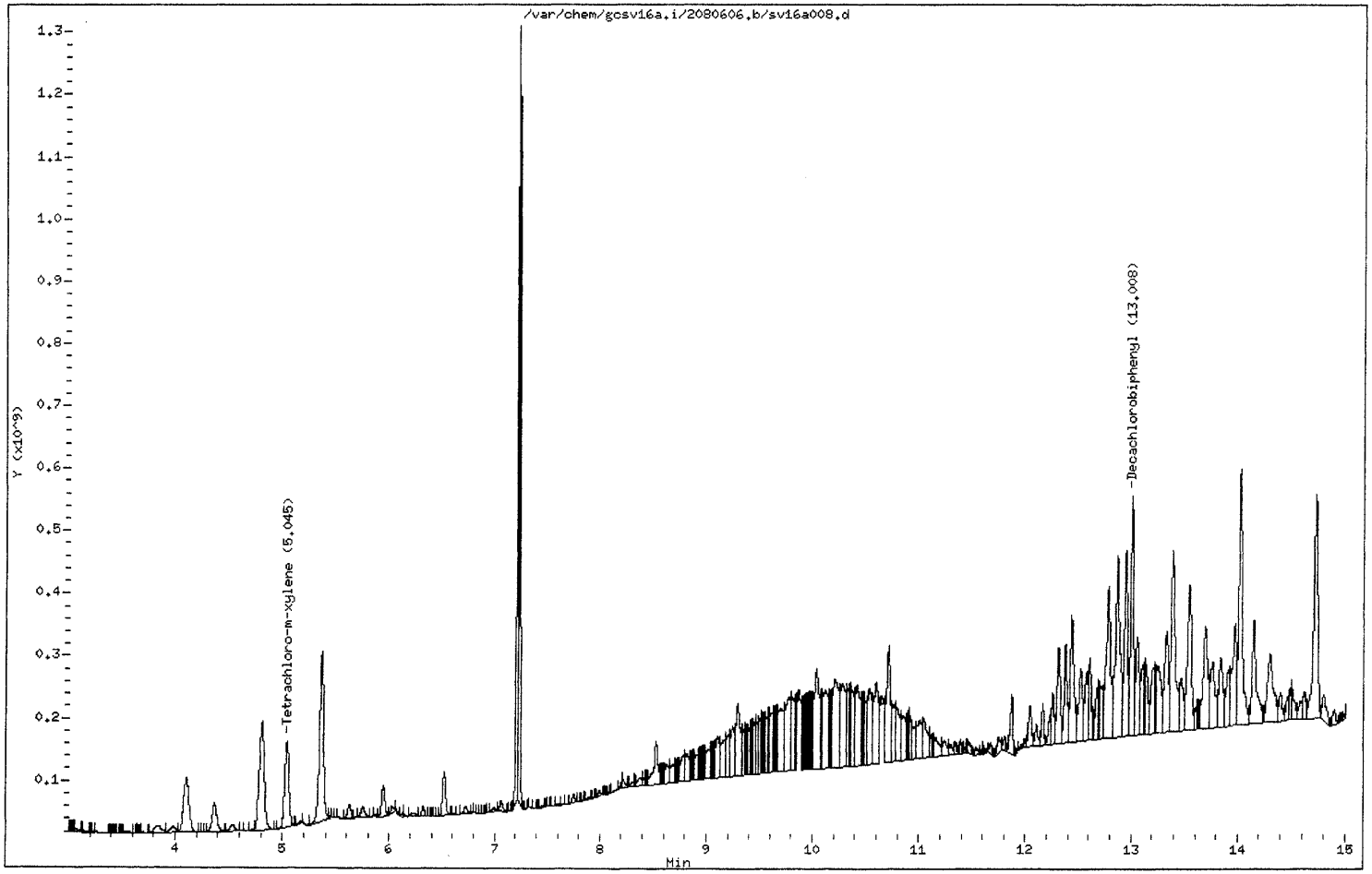
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	5.045	5.017	0.028	376478093	48.0659	8.0
$ 22 Decachlorobiphenyl	13.008	12.990	0.018	725639294	125.174	21

170909

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a008.d
Date : 06-JUN-2008 14:37
Client ID:
Sample Info: 20806052208*1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

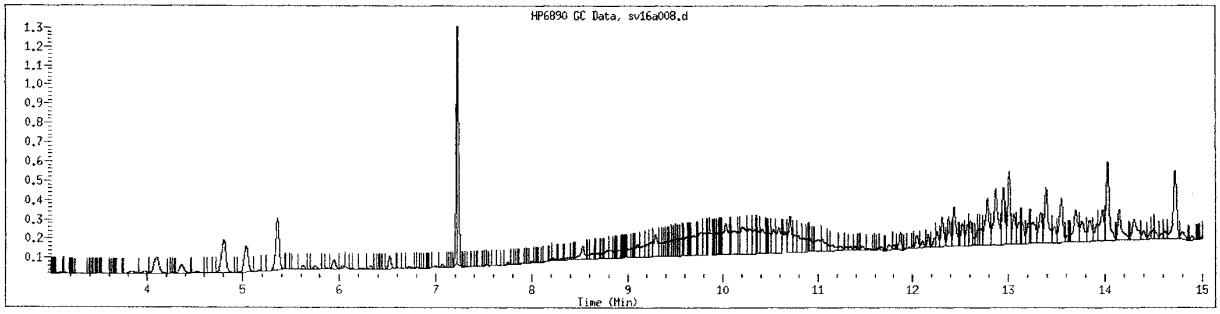
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080606.b/sv16a008.d Page: 1
Report Date: 06/09/2008 12:31

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052208 SampleType : SAMPLE
Injection Date: 06/06/2008 14:37 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20806052208*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: all



NO MANUAL INTEGRATIONS

170911

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SE600

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30.4 | Units: g | Lab Sample ID: 20806052209

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 0000

% Moisture: 32.7 | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/06/08 | Time: 1456

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: 375037 | Analytical Batch: 375231 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080606/sv16a009

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00293	U	0.000653	0.00293
72-55-9	4,4'-DDE	0.00293	U	0.000565	0.00293
50-29-3	4,4'-DDT	0.00293	U	0.000631	0.00293
309-00-2	Aldrin	0.00147	U	0.000558	0.00147
60-57-1	Dieldrin	0.00293	U	0.000550	0.00293
959-98-8	Endosulfan I	0.00147	U	0.000528	0.00147
33213-65-9	Endosulfan II	0.00293	U	0.000638	0.00293
1031-07-8	Endosulfan sulfate	0.00293	U	0.000668	0.00293
72-20-8	Endrin	0.00293	U	0.000660	0.00293
7421-93-4	Endrin aldehyde	0.00293	U	0.000734	0.00293
53494-70-5	Endrin ketone	0.00293	U	0.000668	0.00293
76-44-8	Heptachlor	0.00147	U	0.000492	0.00147
1024-57-3	Heptachlor epoxide	0.00147	U	0.000528	0.00147
72-43-5	Methoxychlor	0.015	U	0.000807	0.015
8001-35-2	Toxaphene	0.147	U	0.00687	0.147
319-84-6	alpha-BHC	0.00147	U	0.000492	0.00147
5103-71-9	alpha-Chlordane	0.00147	U	0.000506	0.00147
319-85-7	beta-BHC	0.00293	U	0.000609	0.00293
319-86-8	delta-BHC	0.00147	U	0.000638	0.00147
58-89-9	gamma-BHC (Lindane)	0.00147	U	0.000462	0.00147
5103-74-2	gamma-Chlordane	0.00147	U	0.000536	0.00147

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a009.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a009.d
Lab Smp Id: 20806052209
Inj Date : 06-JUN-2008 14:56
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052209*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 9
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	30.40000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

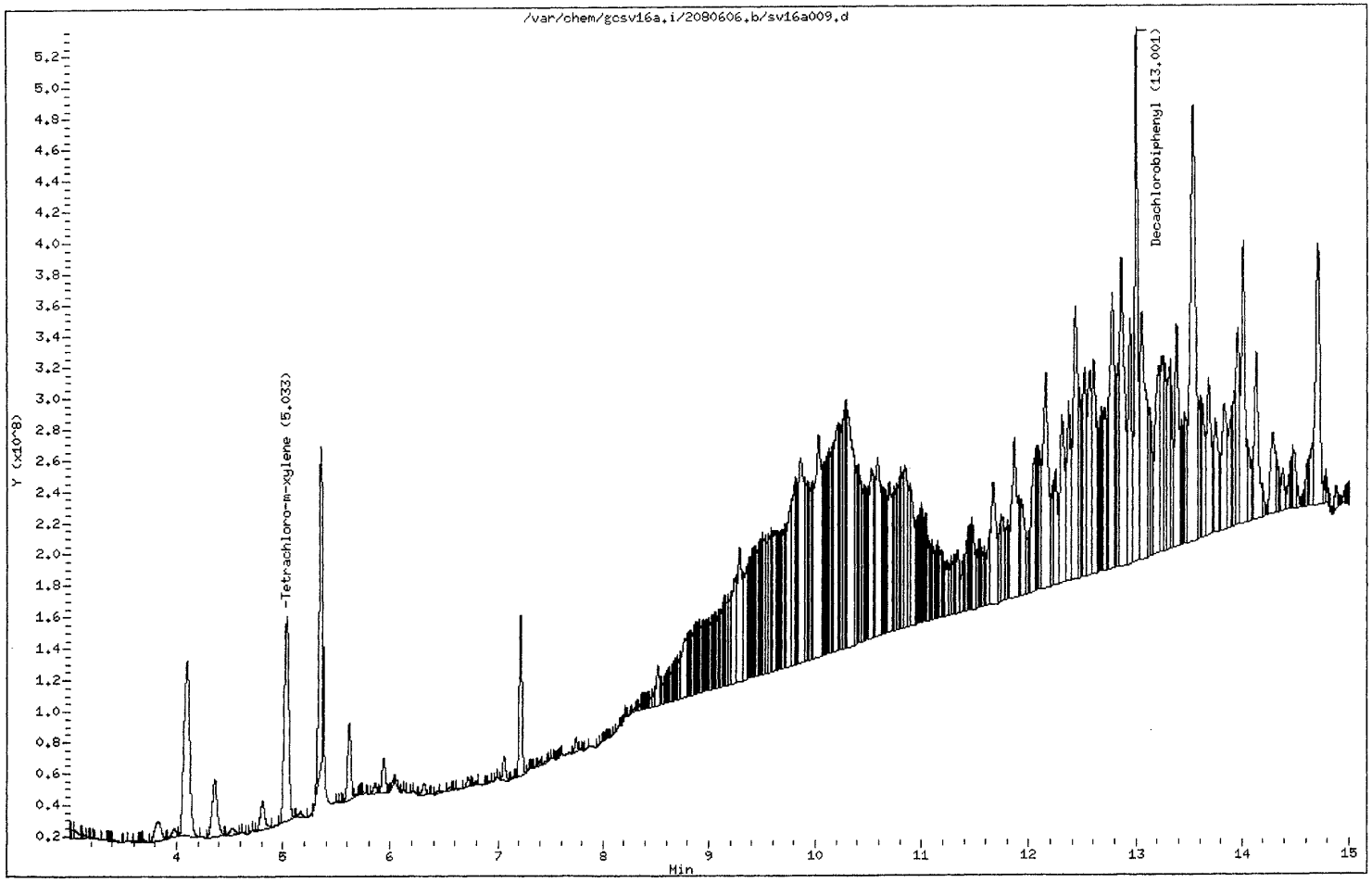
					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	5.033	5.017	0.016	373880444	47.7343	7.9
$ 22 Decachlorobiphenyl	13.001	12.990	0.011	691961171	119.365	20

170913

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a009.d
Date : 06-JUN-2008 14:56
Client ID:
Sample Info: 20806052209m1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

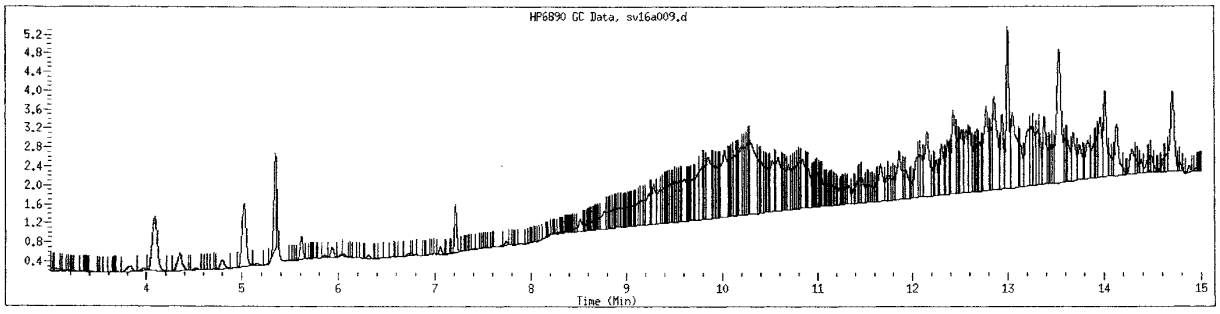
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080606.b/sv16a009.d Page: 1
Report Date: 06/09/2008 12:31

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052209 SampleType : SAMPLE
Injection Date: 06/06/2008 14:56 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20806052209*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080606.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: SWSED8

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30.2 | Units: g | Lab Sample ID: 20806052210

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 1345

% Moisture: 26.4 | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/09/08 | Time: 1352

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: 375037 | Analytical Batch: 375231 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080609/sv16a006

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00270	U	0.000601	0.00270
72-55-9	4,4'-DDE	0.00270	U	0.000520	0.00270
50-29-3	4,4'-DDT	0.00270	U	0.000580	0.00270
309-00-2	Aldrin	0.00135	U	0.000513	0.00135
60-57-1	Dieldrin	0.00270	U	0.000506	0.00270
959-98-8	Endosulfan I	0.00135	U	0.000486	0.00135
33213-65-9	Endosulfan II	0.00270	U	0.000587	0.00270
1031-07-8	Endosulfan sulfate	0.00270	U	0.000614	0.00270
72-20-8	Endrin	0.00270	U	0.000607	0.00270
7421-93-4	Endrin aldehyde	0.00270	U	0.000675	0.00270
53494-70-5	Endrin ketone	0.00270	U	0.000614	0.00270
76-44-8	Heptachlor	0.00135	U	0.000452	0.00135
1024-57-3	Heptachlor epoxide	0.00135	U	0.000486	0.00135
72-43-5	Methoxychlor	0.013	U	0.000742	0.013
8001-35-2	Toxaphene	0.135	U	0.00632	0.135
319-84-6	alpha-BHC	0.00135	U	0.000452	0.00135
5103-71-9	alpha-Chlordane	0.00135	U	0.000466	0.00135
319-85-7	beta-BHC	0.00270	U	0.000560	0.00270
319-86-8	delta-BHC	0.00135	U	0.000587	0.00135
58-89-9	gamma-BHC (Lindane)	0.00135	U	0.000425	0.00135
5103-74-2	gamma-Chlordane	0.00204		0.000493	0.00135

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SWSED8-1-2

Lab Name: GCAL Contract: 208060522

Lab Code: Case No.: SAS No.: SDG No.: 208060522

Lab Sample ID: 20806052210 Date(s) Analyzed: 06/09/08 06/09/08

Instrument ID (1): GCSV16A Instrument ID (2): GCSV16B

GC Column(1): RTX-35MS-30M ID: 0.32(mm) GC Column(2): RTX-XLB-30M ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-Chlordane	1	8.75	8.74	8.80	0.58	
	2	8.80	8.80	8.86	1.5	158.6
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

170917

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a006.d
Report Date: 10-Jun-2008 15:29

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080609.b/sv16a006.d
Lab Smp Id: 20806052210
Inj Date : 09-JUN-2008 13:52
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052210*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080609.b/pest35MS.m
Meth Date : 10-Jun-2008 15:10 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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	30.20000	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	5.027	5.015	0.012	454296954	58.0013	9.6
10 gamma-Chlordane	8.754	8.771	-0.017	26775659	3.52567	0.58(M2)
$ 22 Decachlorobiphenyl	12.984	12.988	-0.004	357012109	61.5853	10

QC Flag Legend

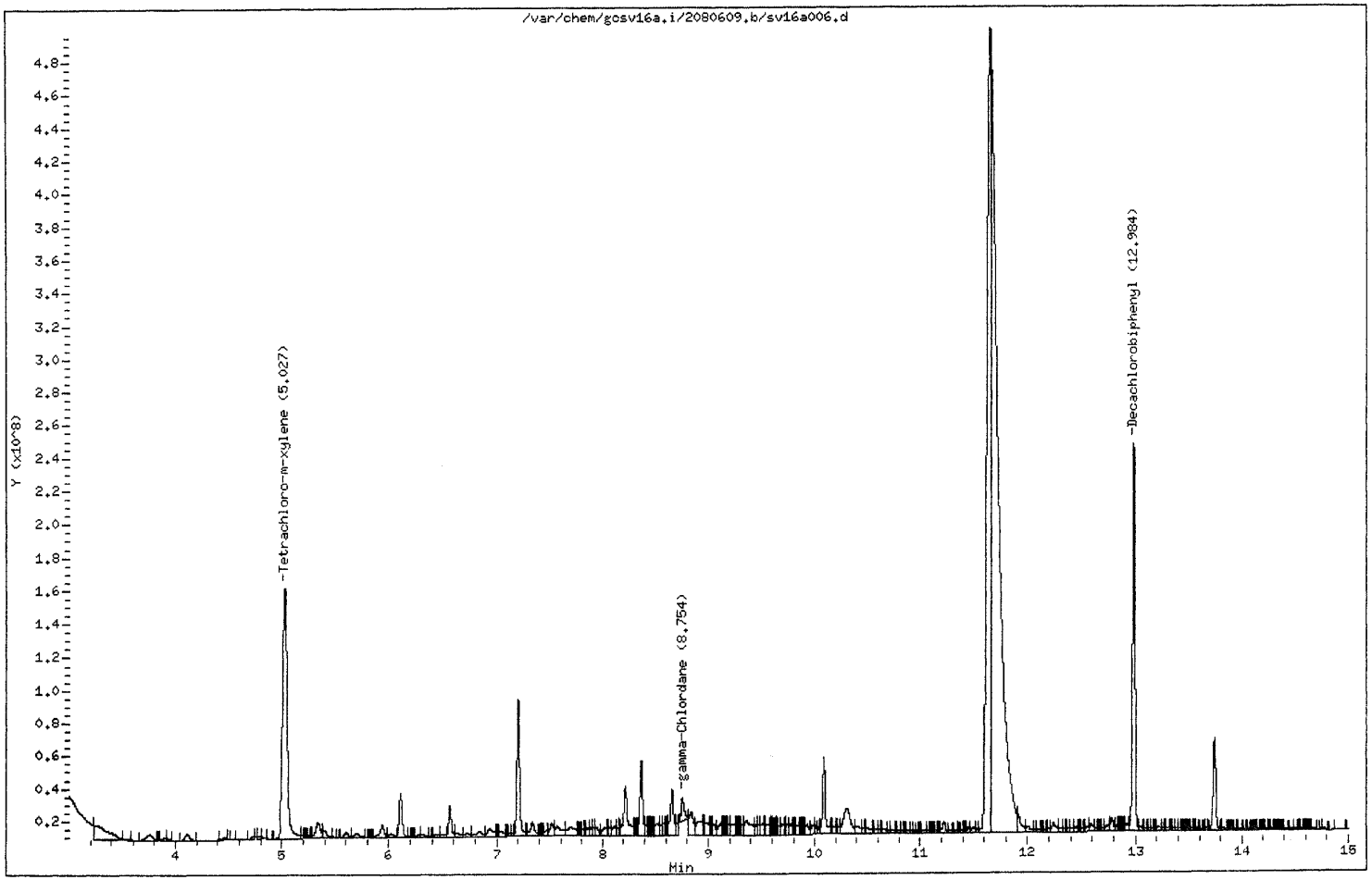
M2- Compound response manually integrated because
Target system integrated incorrectly.

170918

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a006.d
Date : 09-JUN-2008 13:52
Client ID:
Sample Info: 20806052210*1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

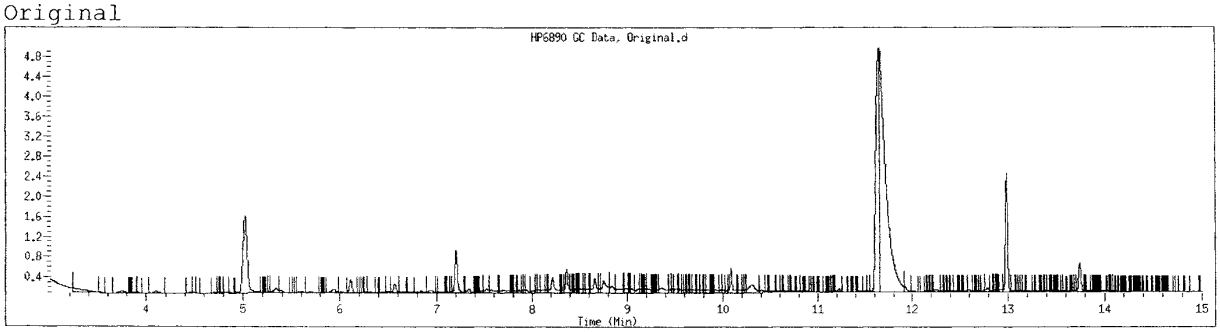


Data file : /var/chem/gcsv16a.i/2080609.b/sv16a006.d Page: 1
Report Date: 06/10/2008 15:29

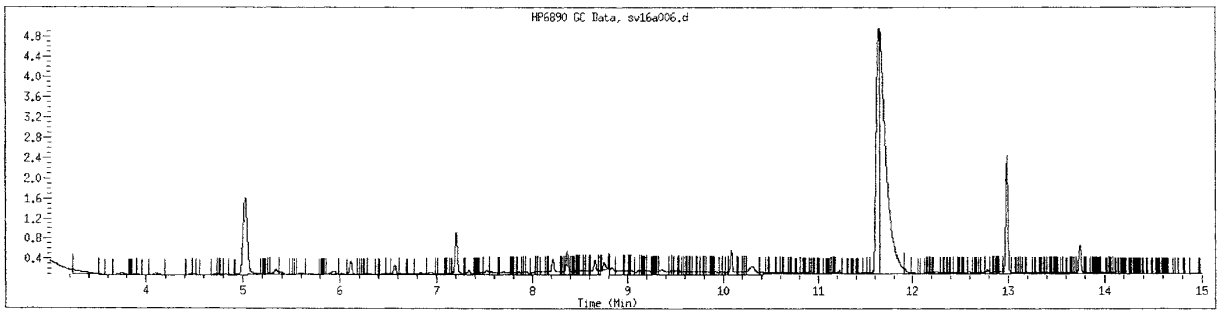
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052210 SampleType : SAMPLE
Injection Date: 06/09/2008 13:52 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20806052210*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080609.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: all

Original



Final



170920

Data File: /var/chem/gcsv16b.i/2080609.b/sv16b006.d
Report Date: 10-Jun-2008 13:26

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2080609.b/sv16b006.d
Lab Smp Id: 20806052210
Inj Date : 09-JUN-2008 14:23
Operator : tls Inst ID: gcsv16b.i
Smp Info : 20806052210*1
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2080609.b/pestXLB.m
Meth Date : 09-Jun-2008 17:23 root Quant Type: ESTD
Cal Date : 30-MAY-2008 01:09 Cal File: sv16b025.d
Als bottle: 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/(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

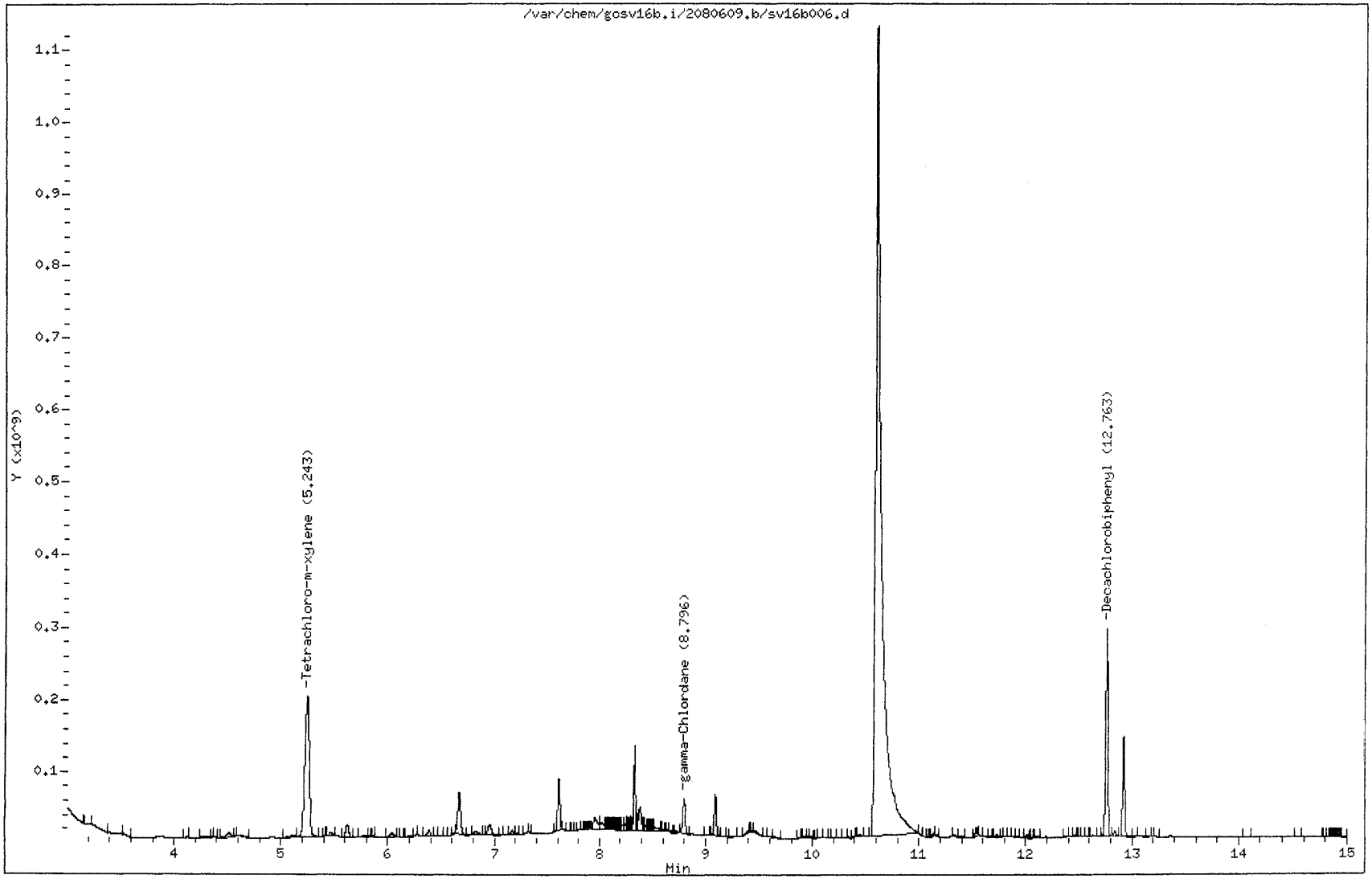
Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	5.243	5.246	-0.003	557085979	58.6392	9.7
10 gamma-Chlordane	8.796	8.825	-0.029	76856883	8.95528	1.5
$ 22 Decachlorobiphenyl	12.763	12.770	-0.007	409565533	62.6790	10

170921

Data File: /var/chem/gcsv16b.i/2080609.b/sv16b006.d
Date : 09-JUN-2008 14:23
Client ID:
Sample Info: 20806052210*1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

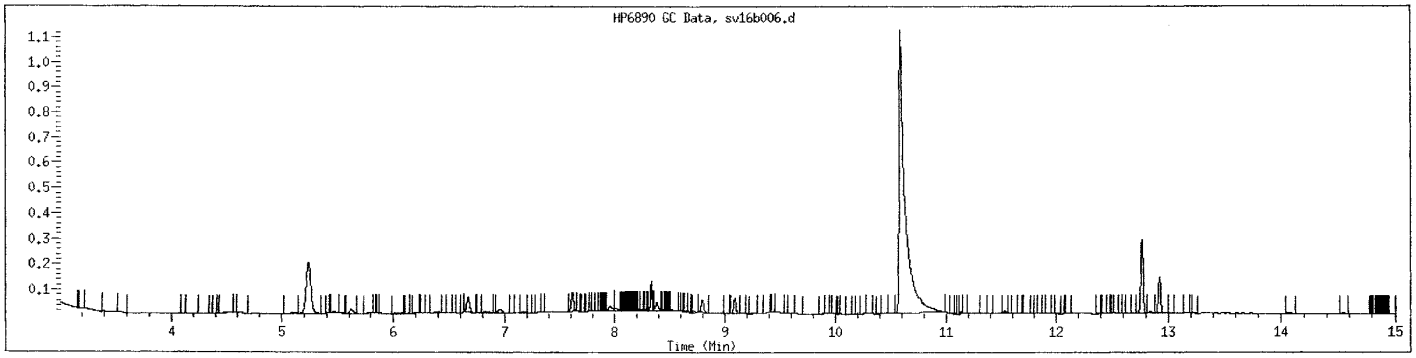
Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16b.i/2080609.b/sv16b006.d Page: 1
Report Date: 06/10/2008 13:26

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052210	SampleType	: SAMPLE
Injection Date	: 06/09/2008 14:23	Instrument	: gcsv16b.i
Operator	: tls		
Sample Info	: 20806052210*1		
Misc Info	:		
Method	: /var/chem/gcsv16b.i/2080609.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

170923

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED10

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30.4 | Units: g | Lab Sample ID: 20806052211

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 1440

% Moisture: 19.5 | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/06/08 | Time: 1533

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: 375037 | Analytical Batch: 375231 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080606/sv16a011

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00245	U	0.000545	0.00245
72-55-9	4,4'-DDE	0.00245	U	0.000472	0.00245
50-29-3	4,4'-DDT	0.00245	U	0.000527	0.00245
309-00-2	Aldrin	0.00123	U	0.000466	0.00123
60-57-1	Dieldrin	0.00245	U	0.000460	0.00245
959-98-8	Endosulfan I	0.00123	U	0.000441	0.00123
33213-65-9	Endosulfan II	0.00245	U	0.000533	0.00245
1031-07-8	Endosulfan sulfate	0.00245	U	0.000558	0.00245
72-20-8	Endrin	0.00245	U	0.000552	0.00245
7421-93-4	Endrin aldehyde	0.00245	U	0.000613	0.00245
53494-70-5	Endrin ketone	0.00245	U	0.000558	0.00245
76-44-8	Heptachlor	0.00123	U	0.000411	0.00123
1024-57-3	Heptachlor epoxide	0.00123	U	0.000441	0.00123
72-43-5	Methoxychlor	0.012	U	0.000674	0.012
8001-35-2	Toxaphene	0.123	U	0.00574	0.123
319-84-6	alpha-BHC	0.00123	U	0.000411	0.00123
5103-71-9	alpha-Chlordane	0.00123	U	0.000423	0.00123
319-85-7	beta-BHC	0.00245	U	0.000509	0.00245
319-86-8	delta-BHC	0.00123	U	0.000533	0.00123
58-89-9	gamma-BHC (Lindane)	0.00123	U	0.000386	0.00123
5103-74-2	gamma-Chlordane	0.00123	U	0.000447	0.00123

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a011.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a011.d
Lab Smp Id: 20806052211
Inj Date : 06-JUN-2008 15:33
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052211*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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/(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

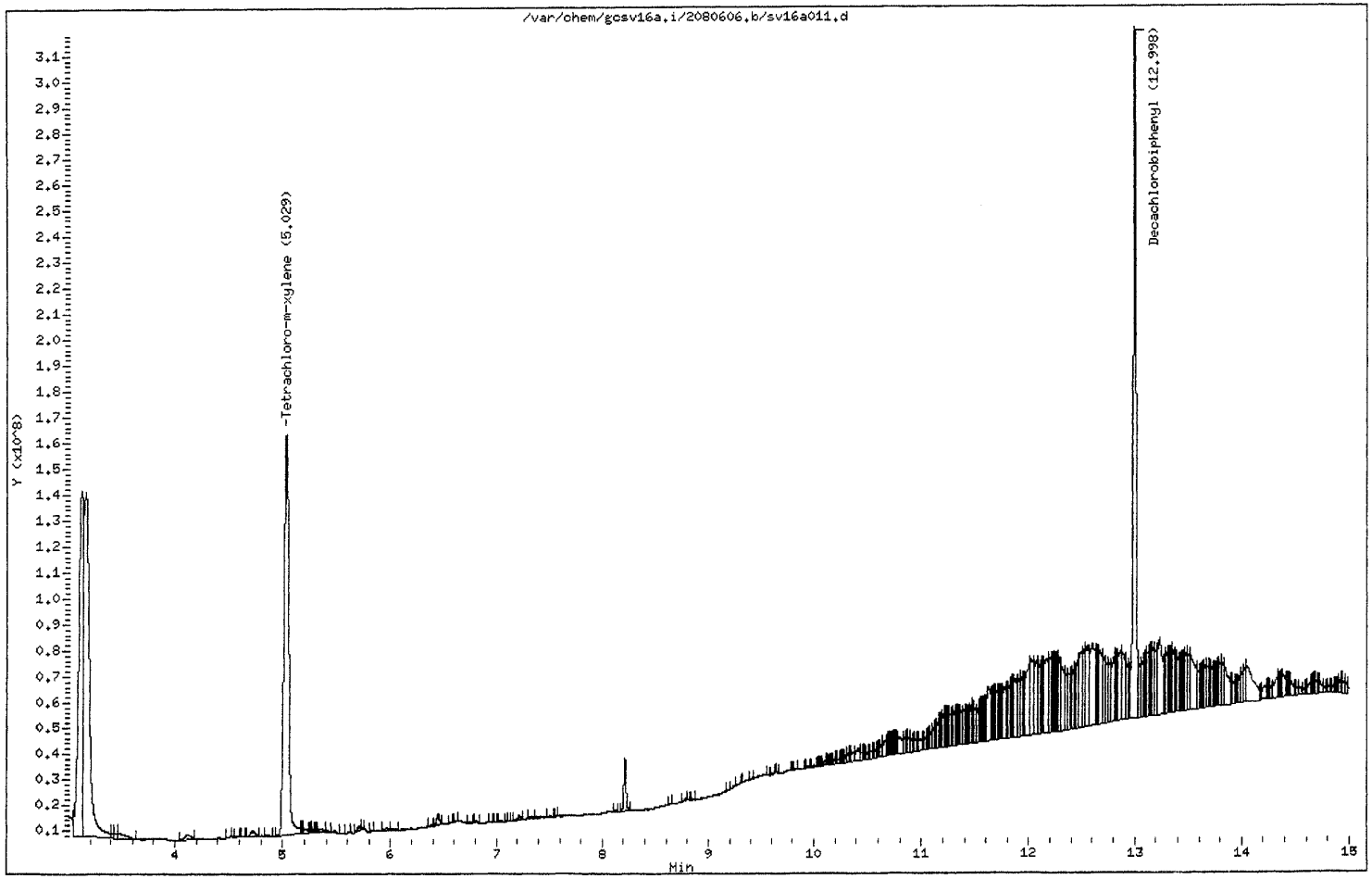
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	5.029	5.017	0.012	464661747	59.3246	9.8
$ 22 Decachlorobiphenyl	12.998	12.990	0.008	456856220	78.8087	13

170925

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a011.d
Date : 06-JUN-2008 15:33
Client ID:
Sample Info: 20806052211*1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

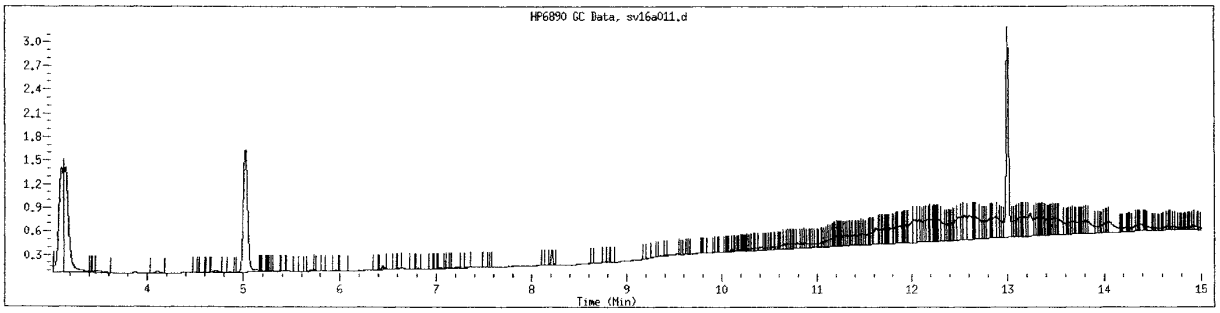
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080606.b/sv16a011.d Page: 1
Report Date: 06/09/2008 12:31

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052211 SampleType : SAMPLE
Injection Date: 06/06/2008 15:33 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20806052211*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: all



NO MANUAL INTEGRATIONS

170927

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SE-060408-EB

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

Matrix: Water | SAS No.: | SDG No.: 208060522

Sample wt/vol: 990 | Units: mL | Lab Sample ID: 20806052212

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 1500

% Moisture: | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/08/08 | Time: 1935

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: 375060 | Analytical Batch: 375340 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2080608/sv16a014

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.0000505	U	0.000002	0.000050
72-55-9	4,4'-DDE	0.0000505	U	0.000001	0.000050
50-29-3	4,4'-DDT	0.0000505	U	0.000001	0.000050
309-00-2	Aldrin	0.0000253	U	0.000002	0.000025
60-57-1	Dieldrin	0.0000505	U	0.000004	0.000050
959-98-8	Endosulfan I	0.0000253	U	0.000003	0.000025
33213-65-9	Endosulfan II	0.0000505	U	0.000001	0.000050
1031-07-8	Endosulfan sulfate	0.0000505	U	0.000001	0.000050
72-20-8	Endrin	0.0000505	U	0.000001	0.000050
7421-93-4	Endrin aldehyde	0.0000505	U	0.000001	0.000050
53494-70-5	Endrin ketone	0.0000505	U	0.000001	0.000050
76-44-8	Heptachlor	0.0000253	U	0.000002	0.000025
1024-57-3	Heptachlor epoxide	0.0000253	U	0.000002	0.000025
72-43-5	Methoxychlor	0.000253	U	0.000002	0.000253
8001-35-2	Toxaphene	0.00253	U	0.000278	0.00253
319-84-6	alpha-BHC	0.0000253	U	0.000001	0.000025
5103-71-9	alpha-Chlordane	0.0000253	U	0.000004	0.000025
319-85-7	beta-BHC	0.0000253	U	0.000001	0.000025
319-86-8	delta-BHC	0.0000253	U	0.000001	0.000025
58-89-9	gamma-BHC (Lindane)	0.0000253	U	0.000001	0.000025
5103-74-2	gamma-Chlordane	0.0000253	U	0.000005	0.000025

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a014.d
Report Date: 10-Jun-2008 16:21

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a014.d
Lab Smp Id: 20806052212
Inj Date : 08-JUN-2008 19:35
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052212*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Meth Date : 10-Jun-2008 15:57 tls Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 14
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	990.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

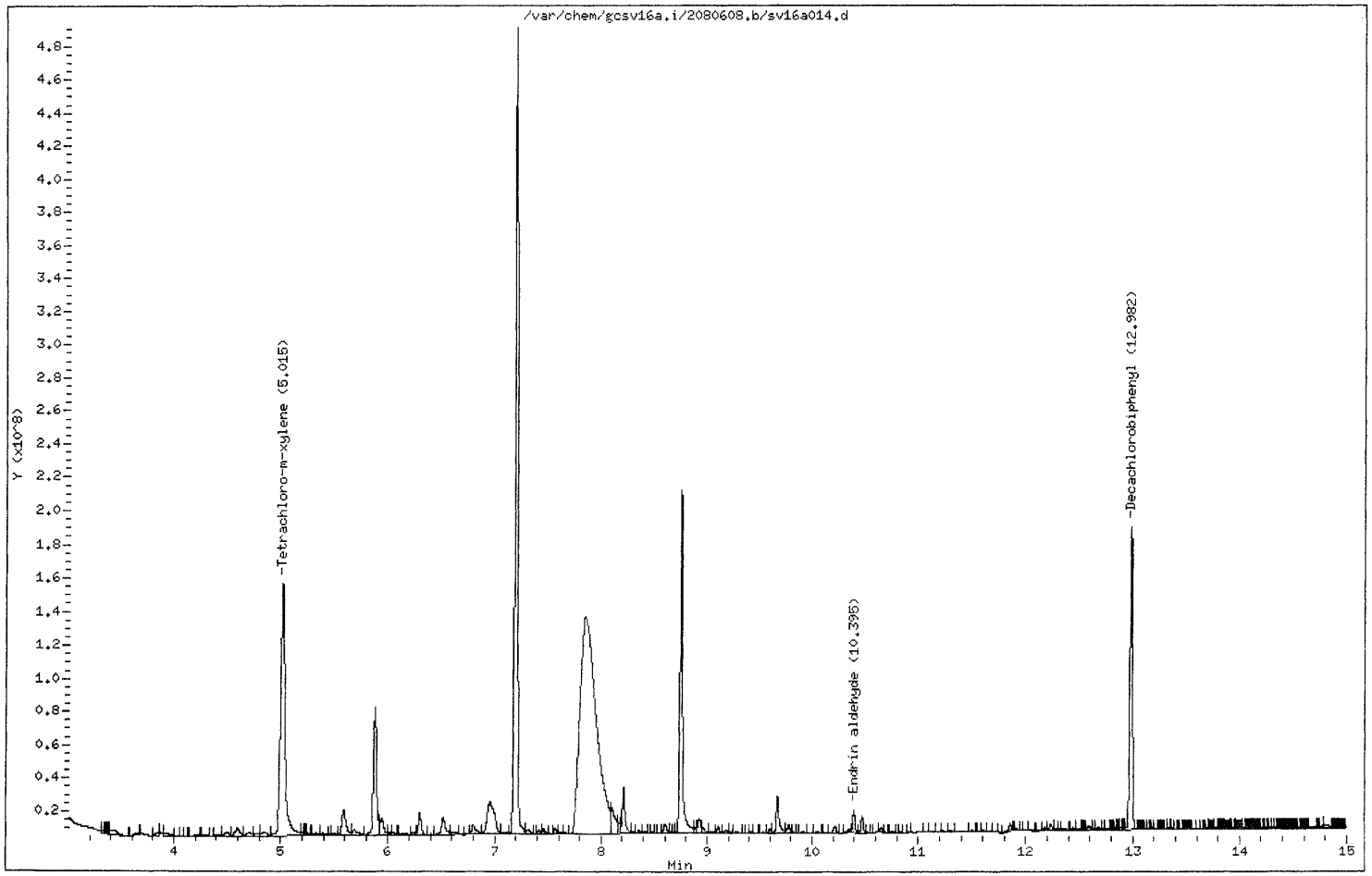
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$ 1 Tetrachloro-m-xylene	5.015	5.016	-0.001	434442527	55.4664	0.28
$ 22 Decachlorobiphenyl	12.982	12.989	-0.007	282313026	48.6996	0.25

170929

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a014.d
Date : 08-JUN-2008 19:35
Client ID:
Sample Info: 20806052212*1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

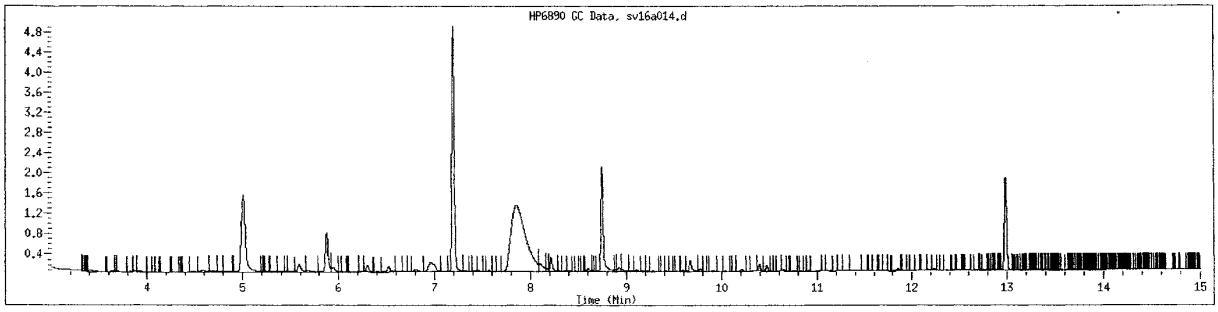
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080608.b/sv16a014.d Page: 1
Report Date: 06/10/2008 15:54

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052212 SampleType : SAMPLE
Injection Date: 06/08/2008 19:35 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20806052212*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: all



NO MANUAL INTEGRATIONS

170931

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: SE-060408-FB

Lab Code: LA024 Case No.:
Contract:

Matrix: Water
SAS No.: SDG No.: 208060522

Sample wt/vol: 990 Units: mL
Lab Sample ID: 20806052213

Level: (low/med) LOW
Date Collected: 06/04/08 Time: 1535

% Moisture: decanted: (Y/N)
Date Received: 06/05/08

GC Column: RTX-35MS-3 ID: .25 (mm)
Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL)
Date Analyzed: 06/08/08 Time: 1954

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: 375060 Analytical Batch: 375340
Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L*
Lab File ID: 2080608/sv16a015

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.0000505	U	0.000002	0.000050
72-55-9	4,4'-DDE	0.0000505	U	0.000001	0.000050
50-29-3	4,4'-DDT	0.0000505	U	0.000001	0.000050
309-00-2	Aldrin	0.0000253	U	0.000002	0.000025
60-57-1	Dieldrin	0.0000505	U	0.000004	0.000050
959-98-8	Endosulfan I	0.0000253	U	0.000003	0.000025
33213-65-9	Endosulfan II	0.0000505	U	0.000001	0.000050
1031-07-8	Endosulfan sulfate	0.0000505	U	0.000001	0.000050
72-20-8	Endrin	0.0000505	U	0.000001	0.000050
7421-93-4	Endrin aldehyde	0.0000505	U	0.000001	0.000050
53494-70-5	Endrin ketone	0.0000505	U	0.000001	0.000050
76-44-8	Heptachlor	0.0000253	U	0.000002	0.000025
1024-57-3	Heptachlor epoxide	0.0000253	U	0.000002	0.000025
72-43-5	Methoxychlor	0.000253	U	0.000002	0.000253
8001-35-2	Toxaphene	0.00253	U	0.000278	0.00253
319-84-6	alpha-BHC	0.0000253	U	0.000001	0.000025
5103-71-9	alpha-Chlordane	0.0000253	U	0.000004	0.000025
319-85-7	beta-BHC	0.0000253	U	0.000001	0.000025
319-86-8	delta-BHC	0.0000253	U	0.000001	0.000025
58-89-9	gamma-BHC (Lindane)	0.0000253	U	0.000001	0.000025
5103-74-2	gamma-Chlordane	0.0000253	U	0.000005	0.000025

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a015.d
Report Date: 10-Jun-2008 15:54

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a015.d
Lab Smp Id: 20806052213
Inj Date : 08-JUN-2008 19:54
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052213*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Meth Date : 10-Jun-2008 15:54 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 15
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

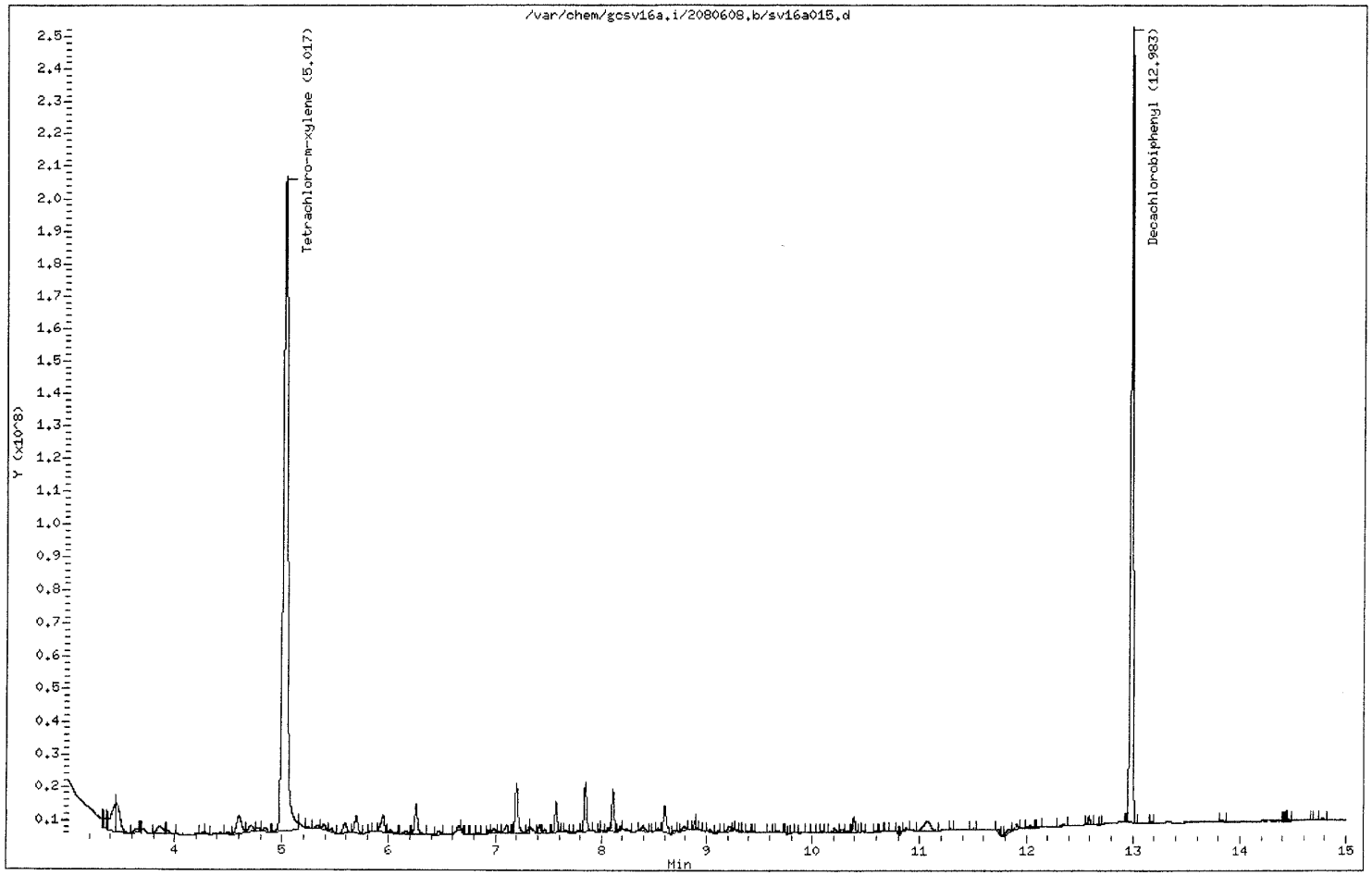
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	990.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
$ 1 Tetrachloro-m-xylene	5.017	5.016	0.001	569886005	72.7588	0.37
$ 22 Decachlorobiphenyl	12.983	12.989	-0.006	361134055	62.2964	0.31

170933

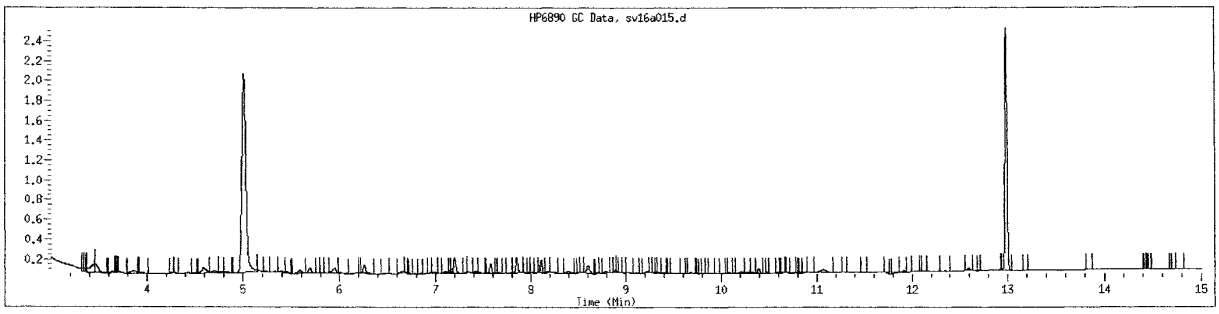
Data File: /var/chem/gcsv16a.i/2080608.b/sv16a015.d
Date : 08-JUN-2008 19:54
Client ID:
Instrument: gcsv16a.i
Sample Info: 20806052213x1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080608.b/sv16a015.d Page: 1
Report Date: 06/10/2008 15:54

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052213	SampleType	: SAMPLE
Injection Date	: 06/08/2008 19:54	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 20806052213*1		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080608.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist:	all



NO MANUAL INTEGRATIONS

170935

Report Date : 11-Jun-2008 16:25

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-MAY-2008 17:58
End Cal Date : 30-MAY-2008 00:50
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Cal Date : 09-Jun-2008 12:31 root
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv16a.i/2080529.b/sv16a021.d
Level 2: /var/chem/gcsv16a.i/2080529.b/sv16a022.d
Level 3: /var/chem/gcsv16a.i/2080529.b/sv16a023.d
Level 4: /var/chem/gcsv16a.i/2080529.b/sv16a024.d
Level 5: /var/chem/gcsv16a.i/2080529.b/sv16a025.d
Level 6: /var/chem/gcsv16a.i/2080529.b/sv16a020.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	9136906	10152165	10398924	10635477	10493928	10669663	10247844	5.614
3	gamma-BHC (Lindane)	8049629	8828865	8991817	9213766	9086188	+++++	8834053	5.212
4	Heptachlor	7363353	7638128	7958933	8048377	7964330	+++++	7794624	3.689
5	Aldrin	7591430	8473382	8591015	8710654	8552207	+++++	8383738	5.381
6	beta-BHC	3713754	3822589	3777624	3829911	3759656	+++++	3780707	1.262
7	delta-BHC	7901983	8560200	8862725	9175140	9031370	+++++	8706284	5.795
8	Heptachlor epoxide	6835491	7461886	7535031	7645059	7514879	+++++	7398469	4.348
9	Endosulfan I	6366344	6497437	6969133	7032462	6941989	+++++	6761473	4.528
10	gamma-Chlordane	7006170	7640766	7743369	7847938	7734240	+++++	7594496	4.437
11	alpha-Chlordane	6472875	6589768	6957439	7157458	7065881	+++++	6848684	4.396
12	4,4'-DDE	6875348	7588066	7766770	7908724	7763145	+++++	7580410	5.411
13	Dieldrin	7115680	7878743	8051880	8185635	8049407	+++++	7856269	5.449
14	Endrin	5561549	6074574	6135773	6292289	6247516	+++++	6062340	4.834
15	4,4'-DDD	5686444	6322142	6515870	6655862	6604003	+++++	6356864	6.225
16	Endosulfan II	5992723	6613019	6739018	6864646	6789688	+++++	6599819	5.326
17	4,4'-DDT	5060113	5873189	6063915	6130407	6172211	+++++	5859967	7.877
18	Endrin aldehyde	4696803	5116864	5212440	5288801	5206254	+++++	5104232	4.619
19	Methoxychlor	2609230	2940383	3078926	3164200	3054698	+++++	2969487	7.297
20	Endosulfan sulfate	5354743	5817377	5879753	5967871	5905188	+++++	5784986	4.261
21	Endrin ketone	6012391	6579103	6695188	6796657	6742494	+++++	6565166	4.863
M 23	AR 1016-AVG	1258651	1185804	1155373	1110195	1059231	1308804	1179677	7.850

Report Date : 11-Jun-2008 16:25

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-MAY-2008 17:58
End Cal Date : 30-MAY-2008 00:50
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Cal Date : 09-Jun-2008 12:31 root
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	137579	127318	122729	115338	107218	144656	125806	11.018
	25 AR 1016-PEAK2	318892	300540	284856	269917	254730	334201	293856	10.191
	26 AR 1016-PEAK3	619452	587036	567839	548318	527231	640185	581677	7.353
	27 AR 1016-PEAK4	182728	170910	179949	176622	170052	189762	178337	4.190
	28 AR 1016-PEAK5	200897	187770	181171	179515	174700	209899	188992	7.238
M	29 AR 1260-AVG	2154083	2131837	2127212	2127243	2109978	2161309	2135277	0.892
	30 AR 1260-PEAK1	317195	301006	294175	294537	289844	323601	303393	4.547
	31 AR 1260-PEAK2	403569	386053	376849	368663	359645	411183	384327	5.210
	32 AR 1260-PEAK3	268294	274018	290941	294737	292301	271577	281978	4.222
	33 AR 1260-PEAK4	735793	753812	751100	750142	749020	728150	744669	1.377
	34 AR 1260-PEAK5	429232	416948	414147	419164	419167	426797	420909	1.391
M	35 AR 1221-AVG	+++++	+++++	225010	+++++	+++++	+++++	225010	0.000
	36 AR 1221-PEAK1	+++++	+++++	58452	+++++	+++++	+++++	58452	0.000
	37 AR 1221-PEAK2	+++++	+++++	75683	+++++	+++++	+++++	75683	0.000
	38 AR 1221-PEAK3	+++++	+++++	47368	+++++	+++++	+++++	47368	0.000
	39 AR 1221-PEAK4	+++++	+++++	43507	+++++	+++++	+++++	43507	0.000
	40 AR 1221-PEAK5	+++++	+++++	34478	+++++	+++++	+++++	34478	0.000
M	41 AR 1232-AVG	+++++	+++++	612756	+++++	+++++	+++++	612756	0.000
	42 AR 1232-PEAK1	+++++	+++++	124233	+++++	+++++	+++++	124233	0.000
	43 AR 1232-PEAK2	+++++	+++++	142109	+++++	+++++	+++++	142109	0.000
	44 AR 1232-PEAK3	+++++	+++++	260851	+++++	+++++	+++++	260851	0.000
	45 AR 1232-PEAK4	+++++	+++++	85564	+++++	+++++	+++++	85564	0.000
	46 AR 1232-PEAK5	+++++	+++++	85265	+++++	+++++	+++++	85265	0.000
M	47 AR 1242-AVG	+++++	+++++	970538	+++++	+++++	+++++	970538	0.000
	48 AR 1242-PEAK1	+++++	+++++	227033	+++++	+++++	+++++	227033	0.000
	49 AR 1242-PEAK2	+++++	+++++	451486	+++++	+++++	+++++	451486	0.000
	50 AR 1242-PEAK3	+++++	+++++	135162	+++++	+++++	+++++	135162	0.000
	51 AR 1242-PEAK4	+++++	+++++	156857	+++++	+++++	+++++	156857	0.000
	52 AR 1242-PEAK5	+++++	+++++	160294	+++++	+++++	+++++	160294	0.000

Report Date : 11-Jun-2008 16:25

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-MAY-2008 17:58
End Cal Date : 30-MAY-2008 00:50
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Cal Date : 09-Jun-2008 12:31 root
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
M	53 AR 1248-AVG	+++++	+++++	662370	+++++	+++++	+++++	662370	0.000
	54 AR 1248-PEAK1	+++++	+++++	166399	+++++	+++++	+++++	166399	0.000
	55 AR 1248-PEAK2	+++++	+++++	217716	+++++	+++++	+++++	217716	0.000
	56 AR 1248-PEAK3	+++++	+++++	278255	+++++	+++++	+++++	278255	0.000
	57 AR 1248-PEAK4	+++++	+++++	1364537	+++++	+++++	+++++	1364537	0.000
	58 AR 1248-PEAK5	+++++	+++++	181163	+++++	+++++	+++++	181163	0.000
M	59 AR 1254-AVG	+++++	+++++	774999	+++++	+++++	+++++	774999	0.000
	60 AR 1254-PEAK1	+++++	+++++	96305	+++++	+++++	+++++	96305	0.000
	61 AR 1254-PEAK2	+++++	+++++	81565	+++++	+++++	+++++	81565	0.000
	62 AR 1254-PEAK3	+++++	+++++	187639	+++++	+++++	+++++	187639	0.000
	63 AR 1254-PEAK4	+++++	+++++	409488	+++++	+++++	+++++	409488	0.000
	64 AR 1254-PEAK5	+++++	+++++	274836	+++++	+++++	+++++	274836	0.000
M	65 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	764117	+++++	764117	0.000
	66 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	209479	+++++	209479	0.000
	67 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	253133	+++++	253133	0.000
	68 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	162041	+++++	162041	0.000
	69 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	139465	+++++	139465	0.000
M	70 CHLORDANE-AVG	+++++	+++++	+++++	+++++	2012770	+++++	2012770	0.000
	71 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	296648	+++++	296648	0.000
	72 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	331726	+++++	331726	0.000
	73 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	742261	+++++	742261	0.000
	74 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	642136	+++++	642136	0.000
M	75 AR 1268-AVG	+++++	+++++	2420593	+++++	+++++	+++++	2420593	0.000
	76 AR 1268-PEAK1	+++++	+++++	199613	+++++	+++++	+++++	199613	0.000
	77 AR 1268-PEAK2	+++++	+++++	870444	+++++	+++++	+++++	870444	0.000
	78 AR 1268-PEAK3	+++++	+++++	681718	+++++	+++++	+++++	681718	0.000
	79 AR 1268-PEAK4	+++++	+++++	668818	+++++	+++++	+++++	668818	0.000
	80 AR 1268-PEAK5	+++++	+++++	274188	+++++	+++++	+++++	274188	0.000
M	81 AR 1262-AVG	+++++	+++++	1781148	+++++	+++++	+++++	1781148	0.000

Report Date : 11-Jun-2008 16:25

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-MAY-2008 17:58
End Cal Date : 30-MAY-2008 00:50
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Cal Date : 09-Jun-2008 12:31 root
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-PEAK1	+++++	+++++	274408	+++++	+++++	+++++	274408	0.000
83 AR 1262-PEAK2	+++++	+++++	382817	+++++	+++++	+++++	382817	0.000
84 AR 1262-PEAK3	+++++	+++++	352569	+++++	+++++	+++++	352569	0.000
85 AR 1262-PEAK4	+++++	+++++	771354	+++++	+++++	+++++	771354	0.000
86 AR 1262-PEAK5	+++++	+++++	336821	+++++	+++++	+++++	336821	0.000
87 Diallate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
88 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
89 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
90 Kepone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 1 Tetrachloro-m-xylene	7082821	8095136	8097464	8164254	7723004	+++++	7832536	5.792
$ 22 Decachlorobiphenyl	5707037	5920872	5816466	5826166	5714613	+++++	5797031	1.530

Report Date : 11-Jun-2008 16:25

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-MAY-2008 17:58
End Cal Date : 30-MAY-2008 00:50
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Cal Date : 09-Jun-2008 12:31 root
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 5.10661
Maximun Average %RSD = 20.00000
* Passed Average %RSD Test.

170940

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:

$$\frac{7855259 + 1994767}{7855259 + 1994767 + 426214088} \times 100 = 2.3\ \%$$

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:

$$\frac{29769801 + 6029383}{29769801 + 6029383 + 434493164} \times 100 = 7.6\ \%$$

Endrin Breakdown Criteria: < 15%

170941

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a002.d
Report Date: 30-May-2008 09:27

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a002.d
Lab Smp Id: deg
Inj Date : 29-MAY-2008 17:39
Operator : tls Inst ID: gcsv16a.i
Smp Info : deg*1 80-19-6
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 09:27 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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

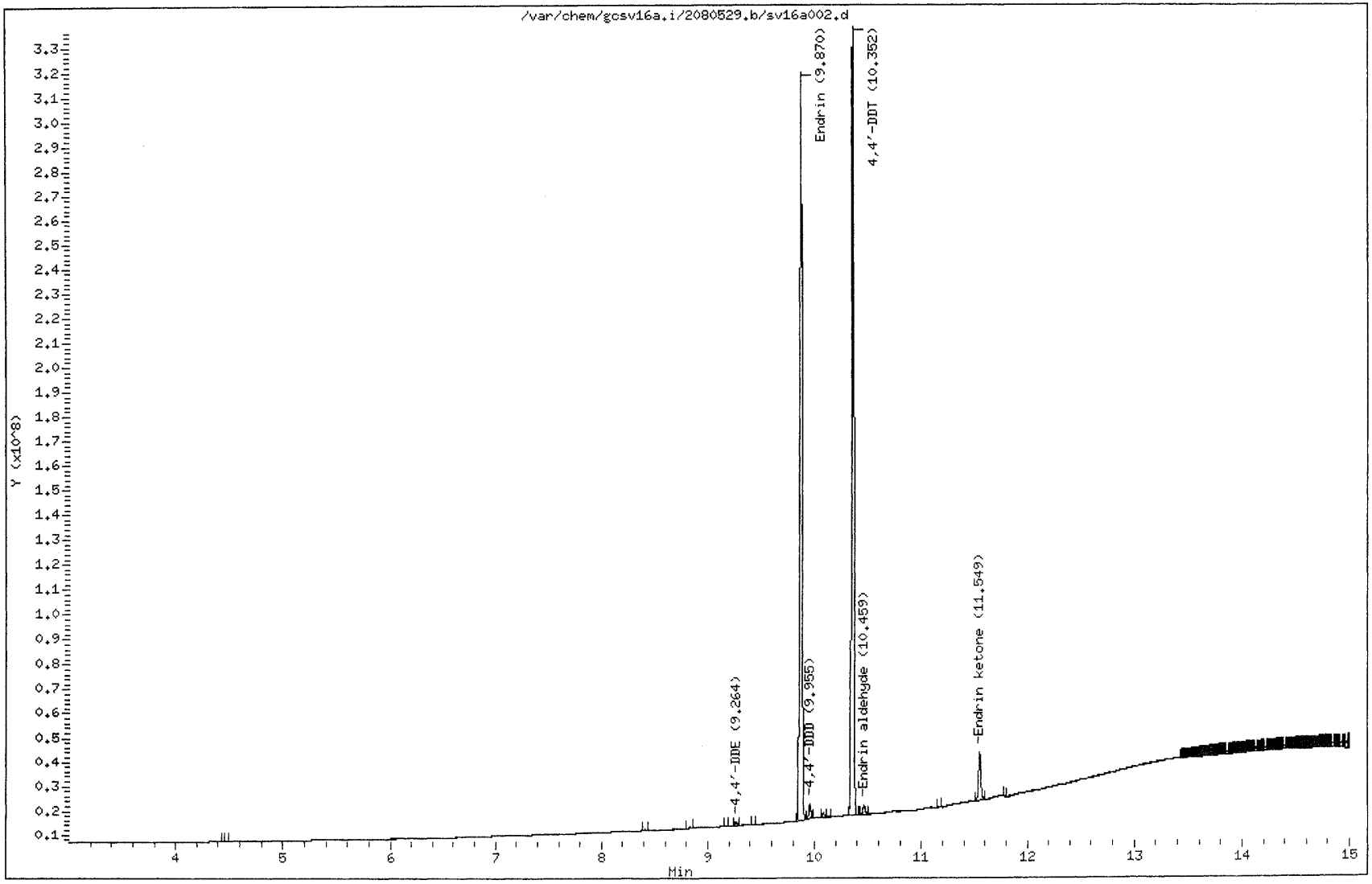
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	9.264	9.262	0.002	1994767	0.26315	0.0026
15 4,4'-DDD	9.955	9.953	0.002	7855259	1.23571	0.012
17 4,4'-DDT	10.352	10.351	0.001	426214088	72.7332	0.73
18 Endrin aldehyde	10.459	10.458	0.001	6029383	1.18125	0.012
21 Endrin ketone	11.549	11.549	0.000	29769801	4.53451	0.045
14 Endrin	9.870	9.870	0.000	434493164	71.6709	0.72

170942

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a002.d
Date : 29-MAY-2008 17:39
Client ID:
Sample Info: deg*1 80-19-6
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

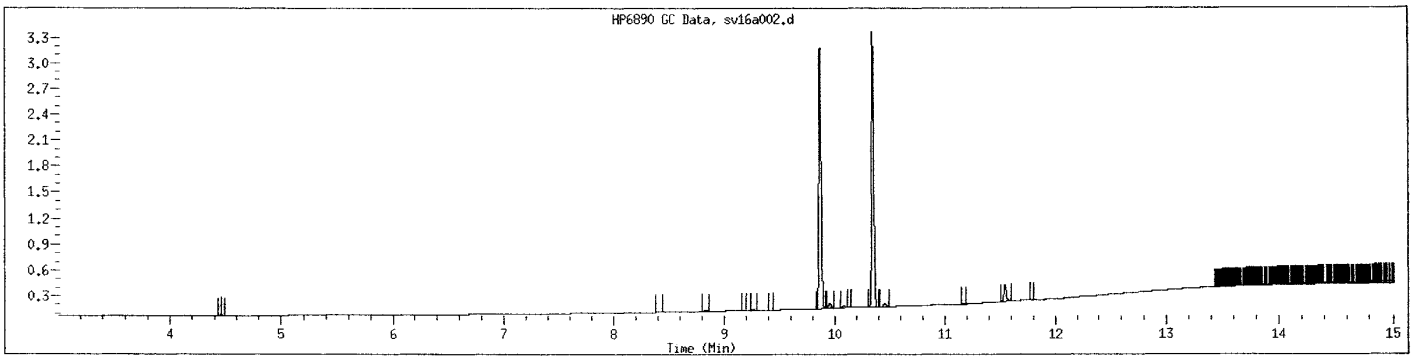
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080529.b/sv16a002.d
Report Date: 05/30/2008 09:27

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: deg	SampleType	: SAMPLE
Injection Date	: 05/29/2008 17:39	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: deg*1 80-19-6		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: deg



NO MANUAL INTEGRATIONS

170944

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a003.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a003.d
Lab Smp Id: 1206
Inj Date : 29-MAY-2008 17:58
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1206*1 2.5
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 29-MAY-2008 23:17 Cal File: sv16a020.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)
$ 1	Tetrachloro-m-xylene	5.055	5.053	0.002	20846334	2.50000	2.7
2	alpha-BHC	6.180	6.180	0.000	26674158	2.50000	2.6
3	gamma-BHC (Lindane)	6.770	6.769	0.001	23763419	2.50000	2.7
6	beta-BHC	6.870	6.869	0.001	11164680	2.50000	3.0
4	Heptachlor	7.351	7.350	0.001	22337516	2.50000	2.9(M2)
7	delta-BHC	7.391	7.390	0.001	23270565	2.50000	2.7(M2)
5	Aldrin	7.825	7.827	-0.002	22117915	2.50000	2.6
8	Heptachlor epoxide	8.555	8.557	-0.002	20548832	2.50000	2.8
10	gamma-Chlordane	8.809	8.808	0.001	22402100	2.50000	2.9
11	alpha-Chlordane	9.007	9.007	0.000	19641850	2.50000	2.9(M2)
9	Endosulfan I	9.045	9.042	0.003	19117344	2.50000	2.8(M2)
12	4,4'-DDE	9.263	9.261	0.002	41040862	5.00000	5.4
13	Dieldrin	9.428	9.428	0.000	42415742	5.00000	5.4

170945

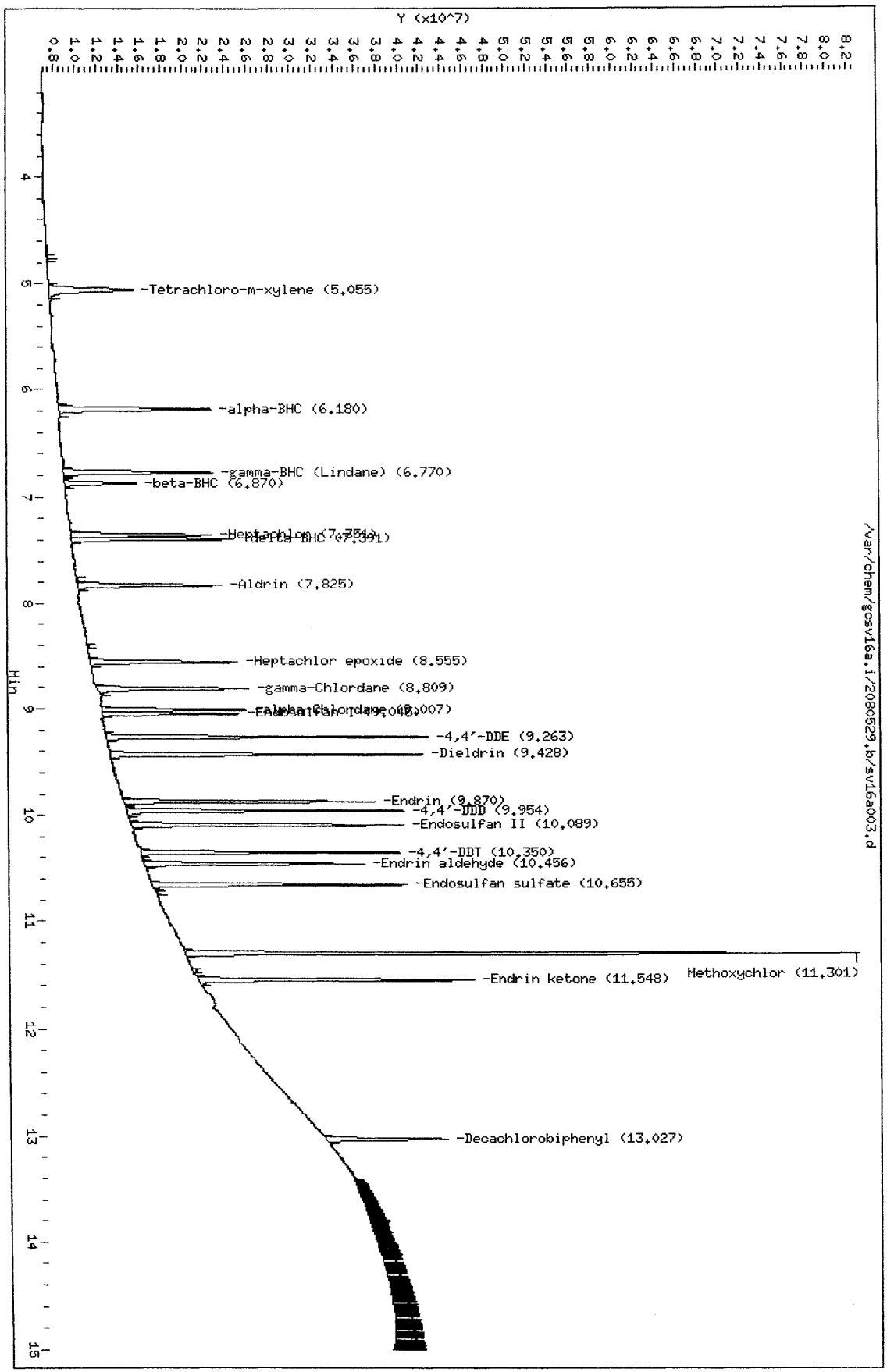
Data File: /var/chem/gcsv16a.i/2080529.b/sv16a003.d
Report Date: 30-May-2008 10:59

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.870	9.869	0.001	33214605	5.00000	5.5
15	4,4'-DDD	9.954	9.952	0.002	34749700	5.00000	5.5
16	Endosulfan II	10.089	10.088	0.001	35651650	5.00000	5.4
17	4,4'-DDT	10.350	10.350	0.000	31983121	5.00000	5.5
18	Endrin aldehyde	10.456	10.457	-0.001	28396113	5.00000	5.6
20	Endosulfan sulfate	10.655	10.654	0.001	32480250	5.00000	5.6
19	Methoxychlor	11.301	11.298	0.003	82031675	25.0000	28
21	Endrin ketone	11.548	11.548	0.000	36621687	5.00000	5.6
$ 22	Decachlorobiphenyl	13.027	13.027	0.000	17545568	2.50000	3.0

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

170946

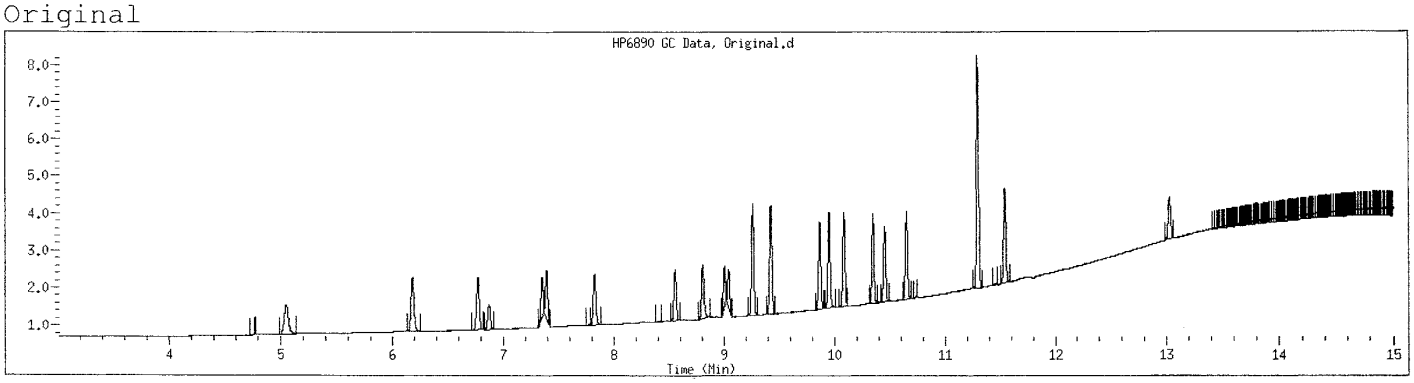

Data File: /var/chem/gcsv16a.i/20080529.b/sv16a003.d
Date : 29-MAY-2008 17:58
Client ID:
Sample Info: 1206*1 2.5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
Y (x10^7)
Min
/var/chem/gcsv16a.i/20080529.b/sv16a003.d
-Tetrachloro-m-xylene (5.055)
-alpha-BHC (6.180)
-gamma-BHC (Lindane) (6.770)
-beta-BHC (6.870)
-Heptachlor (7.354)
-Aldrin (7.825)
-Heptachlor epoxide (8.555)
-gamma-Chlordane (8.809)
-4,4'-DDE (9.263)
-Dieldrin (9.428)
-Endrin (9.870)
-4,4'-DDD (9.954)
-Endosulfan II (10.089)
-4,4'-DDT (10.350)
-Endrin aldehyde (10.456)
-Endosulfan sulfate (10.655)
Methoxychlor (11.301)
-Endrin ketone (11.548)
-Decachlorobiphenyl (13.027)

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a003.d
Report Date: 05/30/2008 10:59

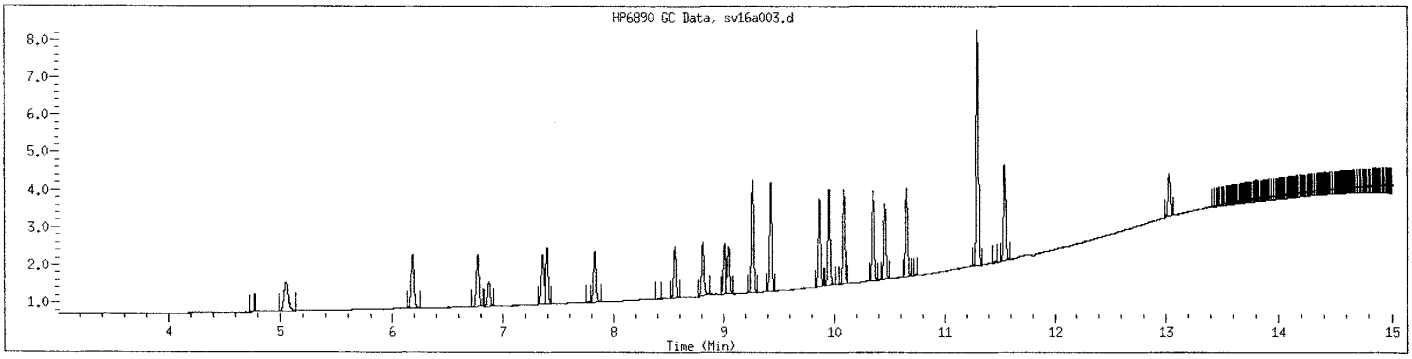
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1206	SampleType	: CALIB_6
Injection Date	: 05/29/2008 17:58	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1206*1 2.5		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



170948

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a004.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a004.d
Lab Smp Id: 1201
Inj Date : 29-MAY-2008 18:16
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1201*1 5
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 29-MAY-2008 23:35 Cal File: sv16a021.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	5.055	5.053	0.002	35414105	5.00000	4.5
2	alpha-BHC	6.181	6.180	0.001	45684532	5.00000	4.5
3	gamma-BHC (Lindane)	6.769	6.769	0.000	40248147	5.00000	4.6
6	beta-BHC	6.870	6.869	0.001	18568770	5.00000	4.9
4	Heptachlor	7.350	7.350	0.000	36816764	5.00000	4.7(M2)
7	delta-BHC	7.390	7.390	0.000	39509915	5.00000	4.5(M2)
5	Aldrin	7.826	7.826	0.000	37957152	5.00000	4.5
8	Heptachlor epoxide	8.556	8.556	0.000	34177455	5.00000	4.6
10	gamma-Chlordane	8.808	8.808	0.000	35030848	5.00000	4.6
11	alpha-Chlordane	9.007	9.007	0.000	32364375	5.00000	4.7(M2)
9	Endosulfan I	9.044	9.042	0.002	31831722	5.00000	4.7(M2)
12	4,4'-DDE	9.263	9.261	0.002	68753475	10.0000	9.1
13	Dieldrin	9.427	9.428	-0.001	71156801	10.0000	9.1

170949

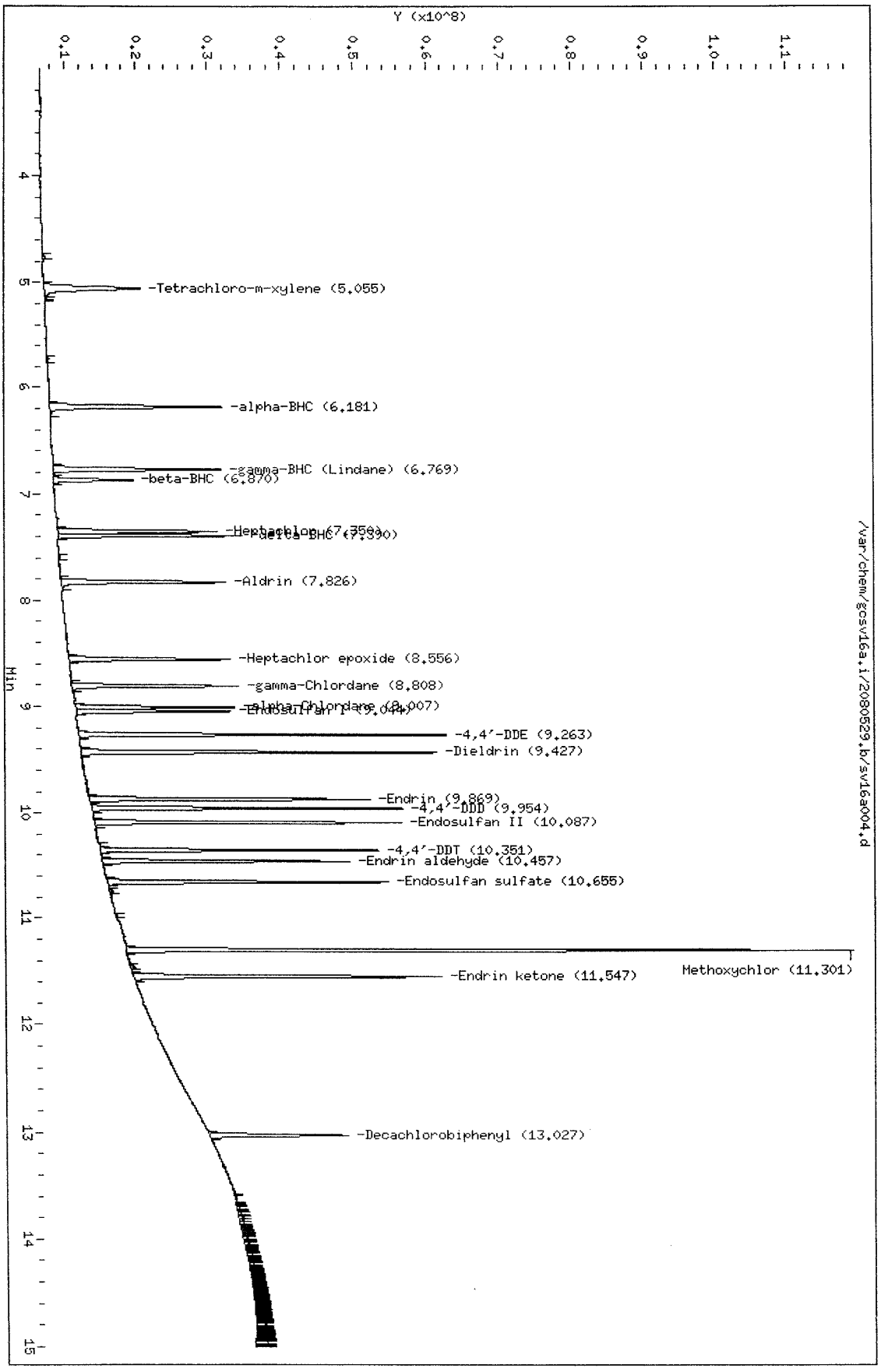
Data File: /var/chem/gcsv16a.i/2080529.b/sv16a004.d
Report Date: 30-May-2008 10:59

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.869	9.869	0.000	55615489	10.0000	9.2
15 4,4'-DDD	9.954	9.952	0.002	56864444	10.0000	8.9
16 Endosulfan II	10.087	10.088	-0.001	59927228	10.0000	9.1
17 4,4'-DDT	10.351	10.350	0.001	50601131	10.0000	8.6(M2)
18 Endrin aldehyde	10.457	10.457	0.000	46968030	10.0000	9.2
20 Endosulfan sulfate	10.655	10.654	0.001	53547430	10.0000	9.3
19 Methoxychlor	11.301	11.299	0.002	130461503	50.0000	44
21 Endrin ketone	11.547	11.548	-0.001	60123910	10.0000	9.2
$ 22 Decachlorobiphenyl	13.027	13.027	0.000	28535185	5.00000	4.9

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

170950


Data File: /var/chem/gcsv16a.i/20080529.b/sv16a004.d
Date : 29-MAY-2008 18:16
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
/var/chem/gcsv16a.i/20080529.b/sv16a004.d
Y (x10^8)
Min
-Tetrachloro-m-xylene (5.055)
-alpha-BHC (6.181)
-gamma-BHC (Lindane) (6.769)
-beta-BHC (6.870)
-Heptachlor (7.359)
-Aldrin (7.826)
-Heptachlor epoxide (8.556)
-gamma-Chlordane (8.808)
-alpha-Chlordane (9.007)
-4,4'-DDE (9.263)
-Dieldrin (9.427)
-Endrin (9.869)
-4,4'-DDD (9.954)
-Endosulfan II (10.087)
-4,4'-DDT (10.351)
-Endrin aldehyde (10.457)
-Endosulfan sulfate (10.655)
Methoxychlor (11.301)
-Endrin ketone (11.547)
-Decachlorobiphenyl (13.027)

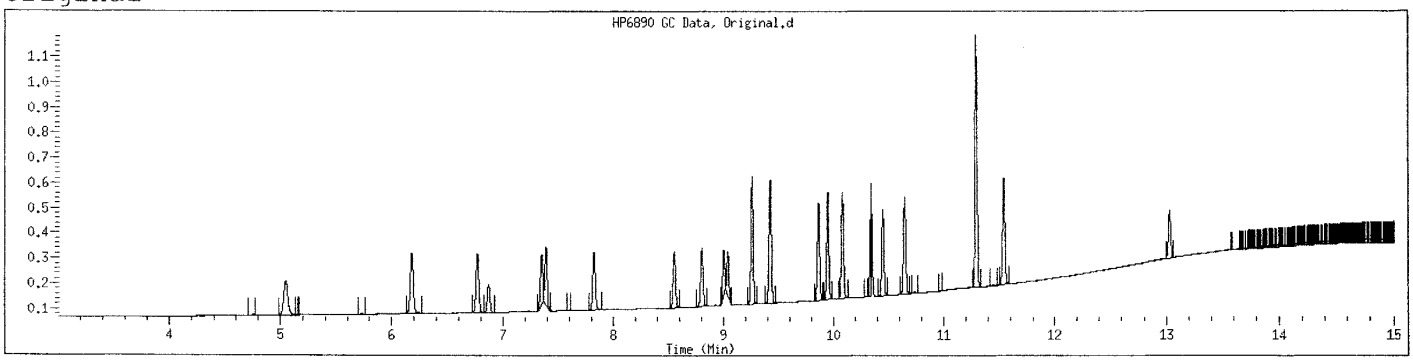
170951

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a004.d Page: 1
Report Date: 05/30/2008 10:59

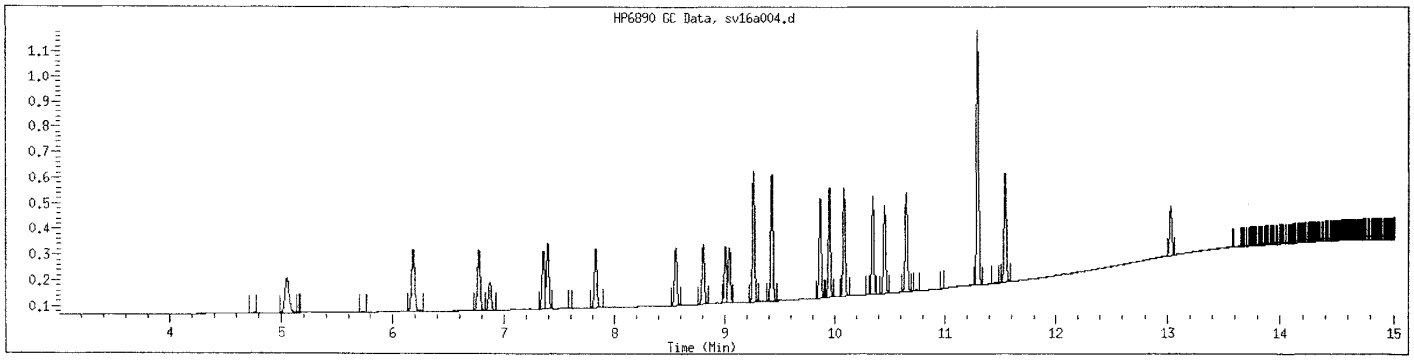
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1201	SampleType	: CALIB_1
Injection Date	: 05/29/2008 18:16	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1201*1 5		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



170952

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a005.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a005.d
Lab Smp Id: 1202
Inj Date : 29-MAY-2008 18:35
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1202*1 20
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 29-MAY-2008 23:54 Cal File: sv16a022.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

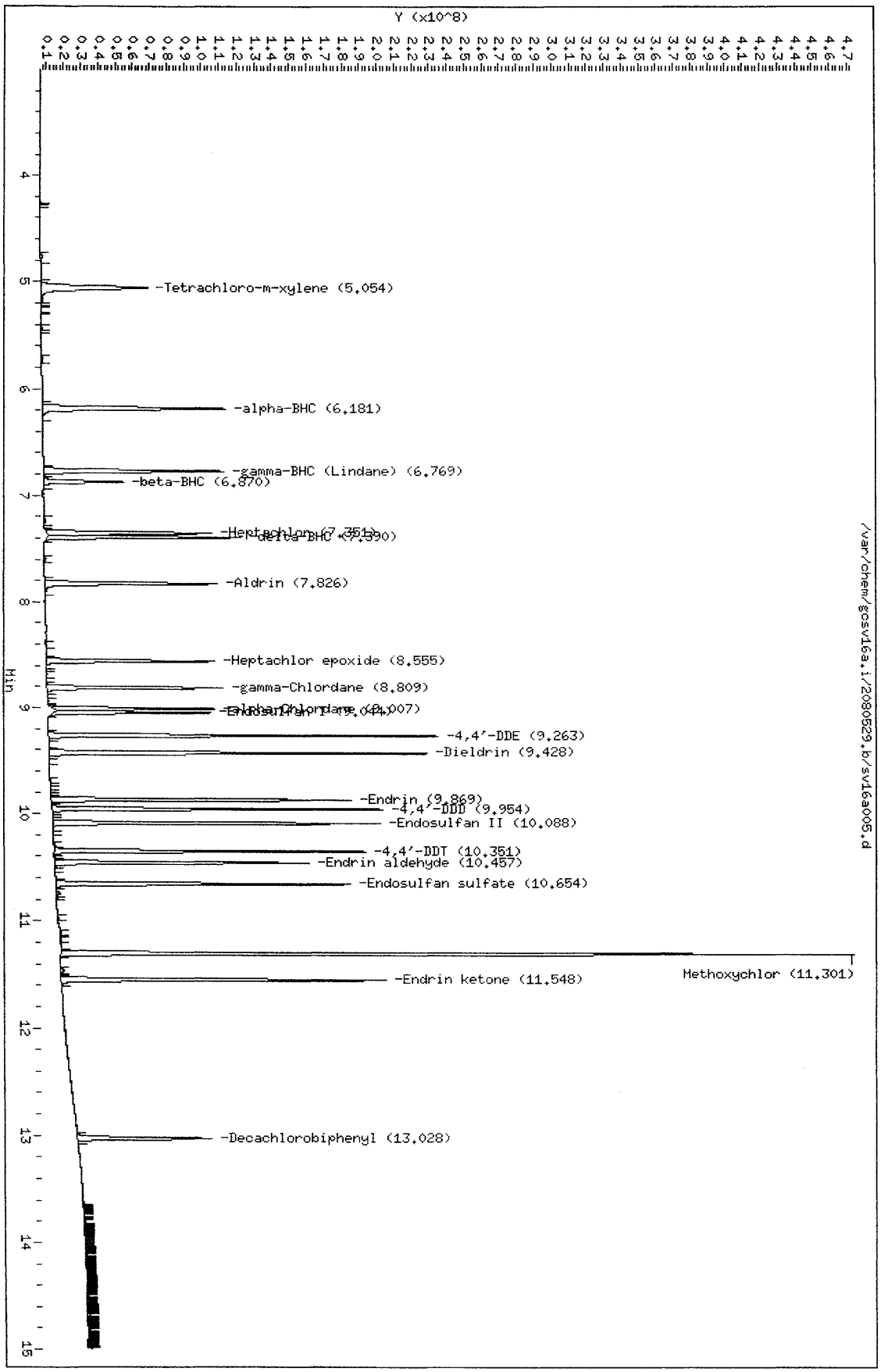
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	5.054	5.053	0.001	161902718	20.0000	21
2	alpha-BHC	6.181	6.180	0.001	203043300	20.0000	20
3	gamma-BHC (Lindane)	6.769	6.769	0.000	176577302	20.0000	20
6	beta-BHC	6.870	6.869	0.001	76451782	20.0000	20
4	Heptachlor	7.351	7.350	0.001	152762569	20.0000	20
7	delta-BHC	7.390	7.390	0.000	171203992	20.0000	20
5	Aldrin	7.826	7.826	0.000	169467641	20.0000	20
8	Heptachlor epoxide	8.555	8.556	-0.001	149237726	20.0000	20
10	gamma-Chlordane	8.809	8.808	0.001	152815313	20.0000	20
11	alpha-Chlordane	9.007	9.007	0.000	131795357	20.0000	19
9	Endosulfan I	9.044	9.042	0.002	129948737	20.0000	19
12	4,4'-DDE	9.263	9.261	0.002	303522647	40.0000	40
13	Dieldrin	9.428	9.428	0.000	315149710	40.0000	40

170953

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a005.d
Report Date: 30-May-2008 10:59

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.869	9.869	0.000	242982974	40.0000	40
	15 4,4'-DDD	9.954	9.952	0.002	252885660	40.0000	40
	16 Endosulfan II	10.088	10.088	0.000	264520748	40.0000	40
	17 4,4'-DDT	10.351	10.350	0.001	234927568	40.0000	40
	18 Endrin aldehyde	10.457	10.457	0.000	204674543	40.0000	40
	20 Endosulfan sulfate	10.654	10.654	0.000	232695075	40.0000	40
	19 Methoxychlor	11.301	11.299	0.002	588076589	200.000	200
	21 Endrin ketone	11.548	11.548	0.000	263164113	40.0000	40
$	22 Decachlorobiphenyl	13.028	13.027	0.001	118417436	20.0000	20

170954

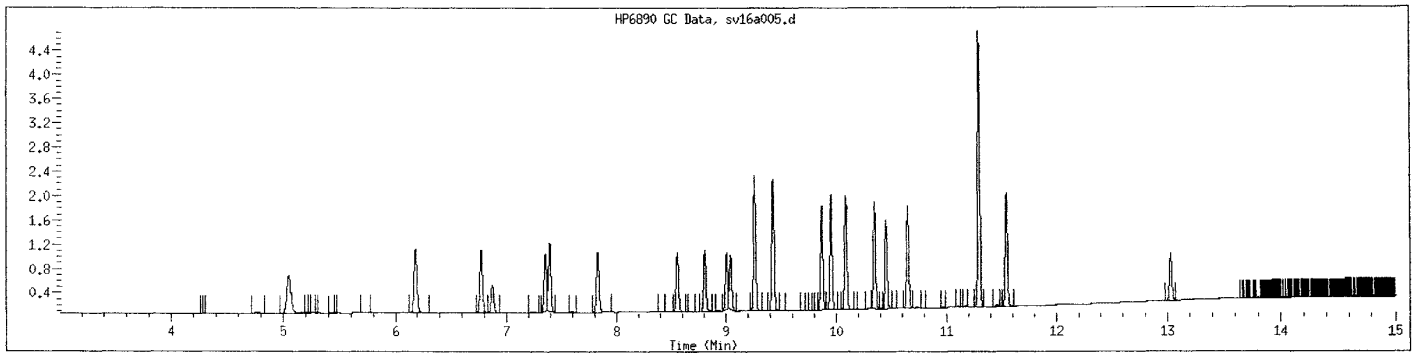

Data File: /var/chem/gcsv16a.i/20080529.b/sv16a005.d
Date : 29-MAY-2008 18:35
Client ID:
Sample Info: 1202x1 20
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
Min
/var/chem/gcsv16a.i/20080529.b/sv16a005.d
-Tetrachloro-m-xylene (5.054)
-alpha-BHC (6.181)
-gamma-BHC (Lindane) (6.769)
-beta-BHC (6.870)
-Heptachlor (7.351)
-delta-BHC (7.390)
-Aldrin (7.826)
-Heptachlor epoxide (8.555)
-gamma-Chlordane (8.809)
-alpha-Chlordane (9.007)
-Endosulfan I (9.044)
-4,4'-DDE (9.263)
-Dieldrin (9.428)
-Endrin (9.869)
-4,4'-DDD (9.954)
-Endosulfan II (10.088)
-4,4'-DDT (10.351)
-Endrin aldehyde (10.457)
-Endosulfan sulfate (10.654)
Methoxychlor (11.301)
-Endrin ketone (11.548)
-Decachlorobiphenyl (13.028)

170955

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a005.d Page: 1
Report Date: 05/30/2008 10:59

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1202	SampleType	: CALIB_2
Injection Date	: 05/29/2008 18:35	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1202*1 20		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

170956

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a006.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a006.d
Lab Smp Id: 1203
Inj Date : 29-MAY-2008 18:54
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 60
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:13 Cal File: sv16a023.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	5.054	5.053	0.001	485847816	60.0000	62
2	alpha-BHC	6.181	6.180	0.001	623935419	60.0000	61
3	gamma-BHC (Lindane)	6.769	6.770	-0.001	539509025	60.0000	61
6	beta-BHC	6.870	6.870	0.000	226657451	60.0000	60
4	Heptachlor	7.352	7.351	0.001	477536005	60.0000	61
7	delta-BHC	7.391	7.390	0.001	531763503	60.0000	61
5	Aldrin	7.825	7.827	-0.002	515460887	60.0000	61
8	Heptachlor epoxide	8.556	8.557	-0.001	452101835	60.0000	61
10	gamma-Chlordane	8.808	8.809	-0.001	464602166	60.0000	61
11	alpha-Chlordane	9.007	9.008	-0.001	417446328	60.0000	61
9	Endosulfan I	9.044	9.043	0.001	418147995	60.0000	62
12	4,4'-DDE	9.263	9.262	0.001	932012353	120.000	120
13	Dieldrin	9.428	9.429	-0.001	966225616	120.000	120

170957

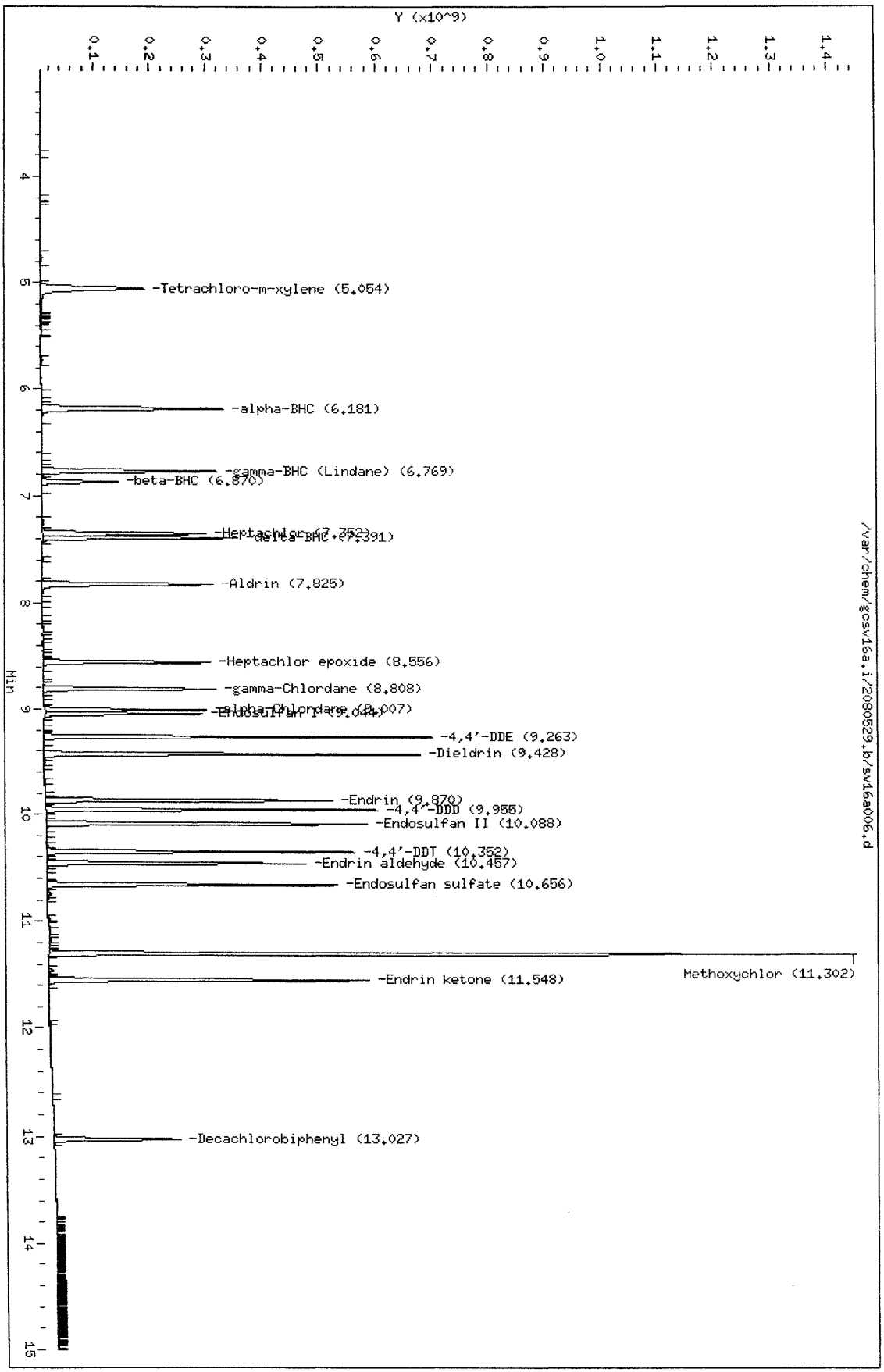
Data File: /var/chem/gcsv16a.i/2080529.b/sv16a006.d
Report Date: 30-May-2008 10:59

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.870	9.870	0.000	736292809	120.000	120
	15 4,4'-DDD	9.955	9.953	0.002	781904422	120.000	120
	16 Endosulfan II	10.088	10.089	-0.001	808682124	120.000	120
	17 4,4'-DDT	10.352	10.351	0.001	727669816	120.000	120
	18 Endrin aldehyde	10.457	10.458	-0.001	625492853	120.000	120
	20 Endosulfan sulfate	10.656	10.655	0.001	705570343	120.000	120
	19 Methoxychlor	11.302	11.300	0.002	1847355366	600.000	620(M2)
	21 Endrin ketone	11.548	11.549	-0.001	803422588	120.000	120
$	22 Decachlorobiphenyl	13.027	13.028	-0.001	348987942	60.0000	60

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

170958


Data File: /var/chem/gcsv16a.i/20080529.b/sv16a006.d
Date : 29-MAY-2008 18:54
Client ID:
Sample Info: 1203*1 60
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/20080529.b/sv16a006.d
-Tetrachloro-m-xylene (5.054)
-alpha-BHC (6.181)
-gamma-BHC (Lindane) (6.769)
-beta-BHC (6.870)
-Heptachlor (7.252)
-delta-BHC (7.391)
-Aldrin (7.825)
-Heptachlor epoxide (8.556)
-gamma-Chlordane (8.808)
-alpha-Chlordane (8.907)
-Endosulfan I (9.044)
-4,4'-DDE (9.263)
-Dieldrin (9.428)
-Endrin (9.870)
-4,4'-DDD (9.955)
-Endosulfan II (10.088)
-4,4'-DDT (10.352)
-Endrin aldehyde (10.457)
-Endosulfan sulfate (10.656)
Methoxychlor (11.302)
-Endrin ketone (11.548)
-Decachlorobiphenyl (13.027)

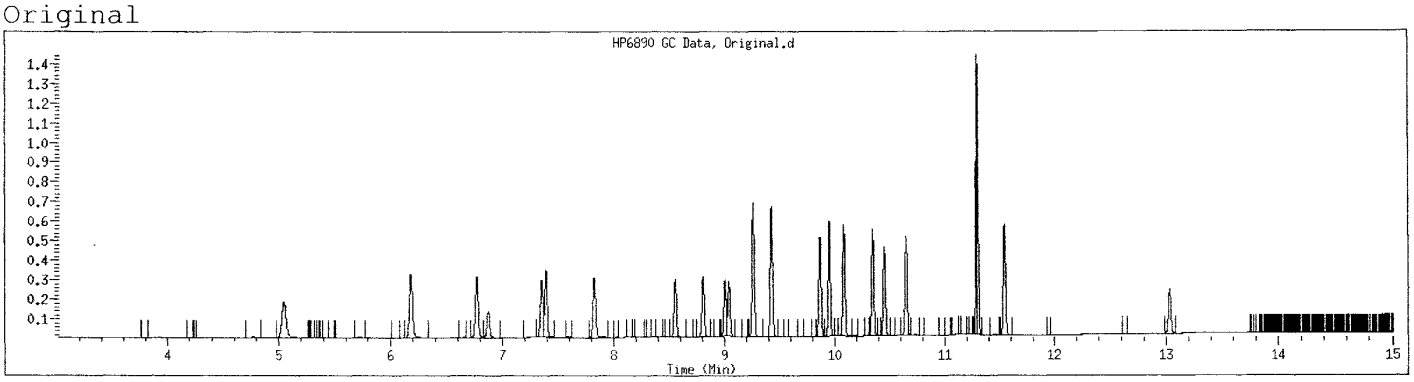
170959

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a006.d Page: 1
Report Date: 05/30/2008 10:59

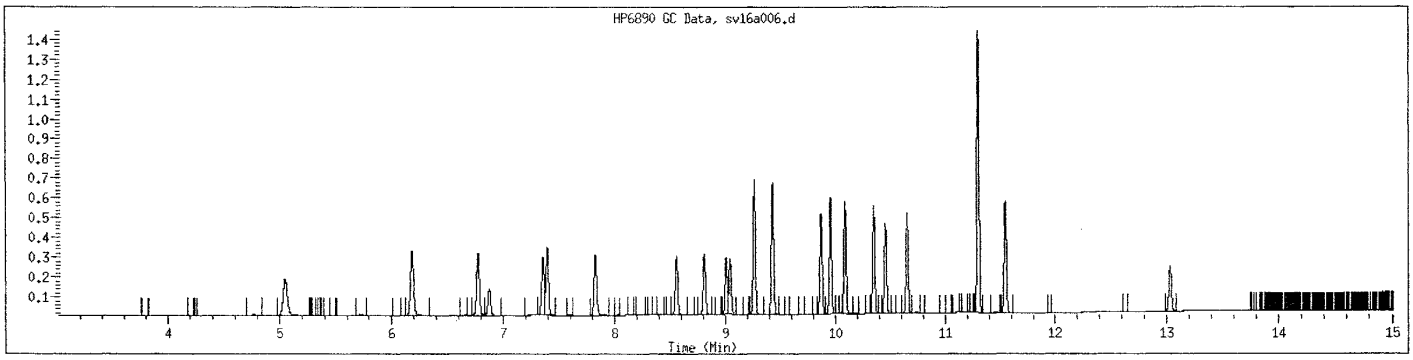
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 05/29/2008 18:54	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1203*1 60		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



888

170960

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a007.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a007.d
Lab Smp Id: 1204
Inj Date : 29-MAY-2008 19:13
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1204*1 80
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:31 Cal File: sv16a024.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	5.054	5.054	0.000	653140280	80.0000	83
2	alpha-BHC	6.181	6.180	0.001	850838179	80.0000	83
3	gamma-BHC (Lindane)	6.770	6.770	0.000	737101319	80.0000	83
6	beta-BHC	6.870	6.870	0.000	306392851	80.0000	81
4	Heptachlor	7.351	7.351	0.000	643870172	80.0000	83
7	delta-BHC	7.391	7.390	0.001	734011213	80.0000	84
5	Aldrin	7.826	7.827	-0.001	696852318	80.0000	83
8	Heptachlor epoxide	8.556	8.557	-0.001	611604741	80.0000	83
10	gamma-Chlordane	8.809	8.809	0.000	627835000	80.0000	83
11	alpha-Chlordane	9.007	9.008	-0.001	572596632	80.0000	84
9	Endosulfan I	9.044	9.043	0.001	562596924	80.0000	83
12	4,4'-DDE	9.264	9.262	0.002	1265395799	160.000	170
13	Dieldrin	9.429	9.429	0.000	1309701604	160.000	170

170961

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a007.d
Report Date: 30-May-2008 10:59

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.871	9.870	0.001	1006766165	160.000	170
	15 4,4'-DDD	9.955	9.953	0.002	1064937944	160.000	170
	16 Endosulfan II	10.088	10.089	-0.001	1098343366	160.000	170
	17 4,4'-DDT	10.352	10.351	0.001	980865141	160.000	170
	18 Endrin aldehyde	10.457	10.458	-0.001	846208087	160.000	170
	20 Endosulfan sulfate	10.655	10.655	0.000	954859421	160.000	170
	19 Methoxychlor	11.302	11.300	0.002	2531359726	800.000	850(M2)
	21 Endrin ketone	11.548	11.549	-0.001	1087465053	160.000	170
$	22 Decachlorobiphenyl	13.027	13.028	-0.001	466093303	80.0000	80

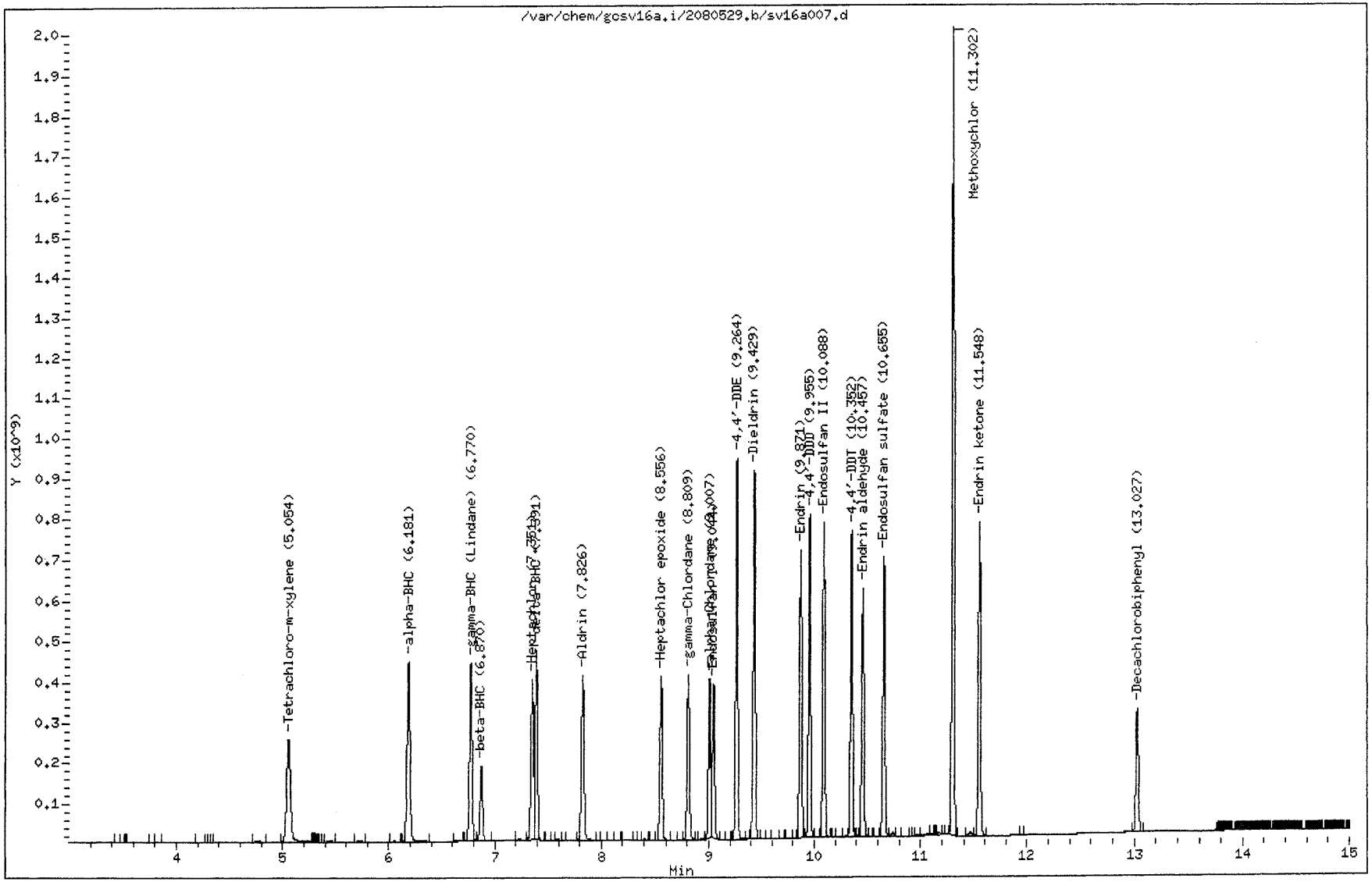
QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

170962

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a007.d
Date : 29-MAY-2008 19:13
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



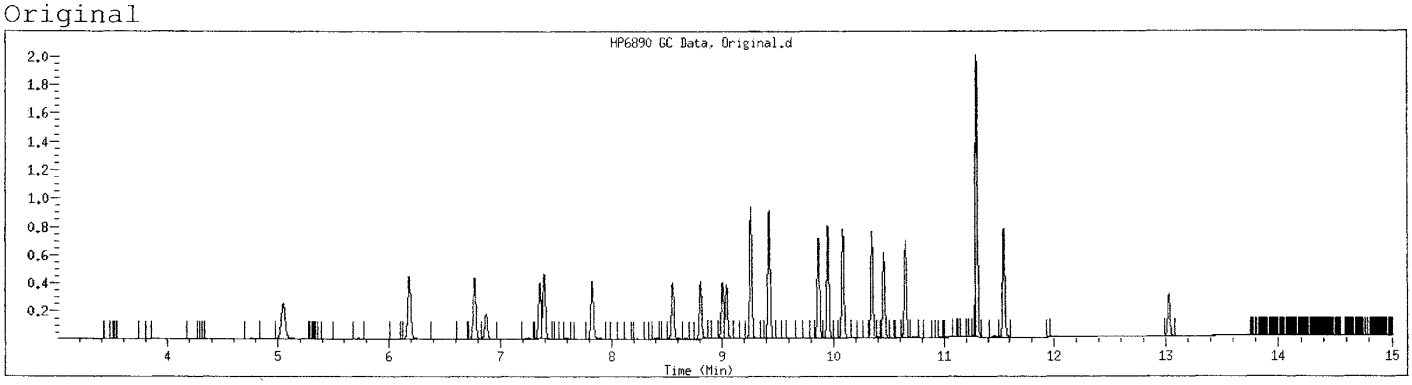
170963

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a007.d Page: 1
Report Date: 05/30/2008 10:59

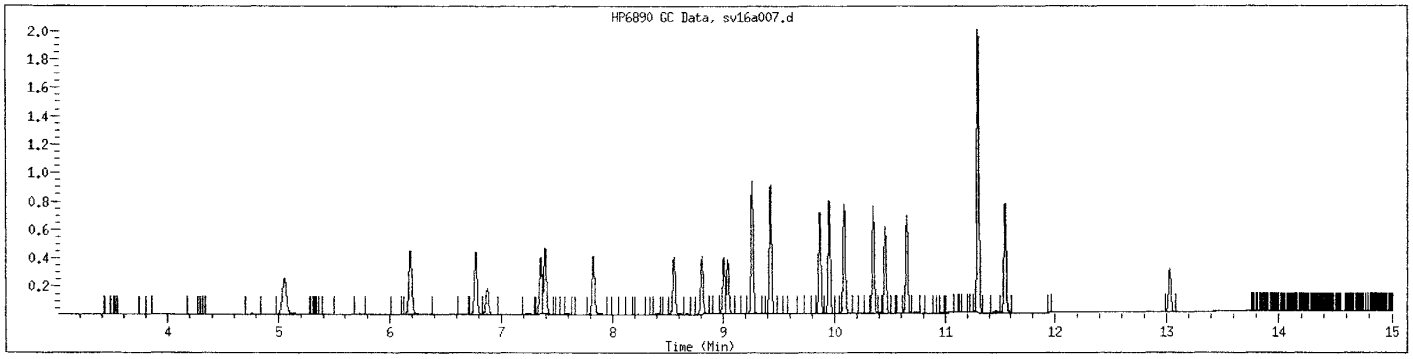
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1204	SampleType	: CALIB_4
Injection Date	: 05/29/2008 19:13	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1204*1 80		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



170964

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a008.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a008.d
Lab Smp Id: 1205
Inj Date : 29-MAY-2008 19:31
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1205*1 80-22-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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	5.054	5.054	0.000	772300426	100.000	99
2	alpha-BHC	6.180	6.180	0.000	1049392788	100.000	100(A)
3	gamma-BHC (Lindane)	6.769	6.770	-0.001	908618836	100.000	100(A)
6	beta-BHC	6.869	6.870	-0.001	375965603	100.000	99
4	Heptachlor	7.351	7.351	0.000	796433040	100.000	100(A)
7	delta-BHC	7.391	7.390	0.001	903136978	100.000	100(A)
5	Aldrin	7.825	7.827	-0.002	855220723	100.000	100(A)
8	Heptachlor epoxide	8.555	8.557	-0.002	751487889	100.000	100(A)
10	gamma-Chlordane	8.808	8.809	-0.001	773424009	100.000	100(A)
11	alpha-Chlordane	9.007	9.008	-0.001	706588114	100.000	100(A)
9	Endosulfan I	9.044	9.043	0.001	694198932	100.000	100(A)
12	4,4'-DDE	9.264	9.262	0.002	1552628938	200.000	200(AM2)
13	Dieldrin	9.429	9.429	0.000	1609881377	200.000	200(AM2)

170965

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a008.d
Report Date: 30-May-2008 10:59

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.870	9.870	0.000	1249503132	200.000	210(A)
15	4,4'-DDD	9.954	9.953	0.001	1320800593	200.000	210(A)
16	Endosulfan II	10.089	10.089	0.000	1357937510	200.000	210(A)
17	4,4'-DDT	10.352	10.351	0.001	1234442278	200.000	210(A)
18	Endrin aldehyde	10.458	10.458	0.000	1041250840	200.000	200(A)
20	Endosulfan sulfate	10.656	10.655	0.001	1181037528	200.000	200(A)
19	Methoxychlor	11.299	11.300	-0.001	3054697759	1000.00	1000(AM2)
21	Endrin ketone	11.549	11.549	0.000	1348498728	200.000	210(A)
$ 22	Decachlorobiphenyl	13.027	13.028	-0.001	571461302	100.000	99

QC Flag Legend

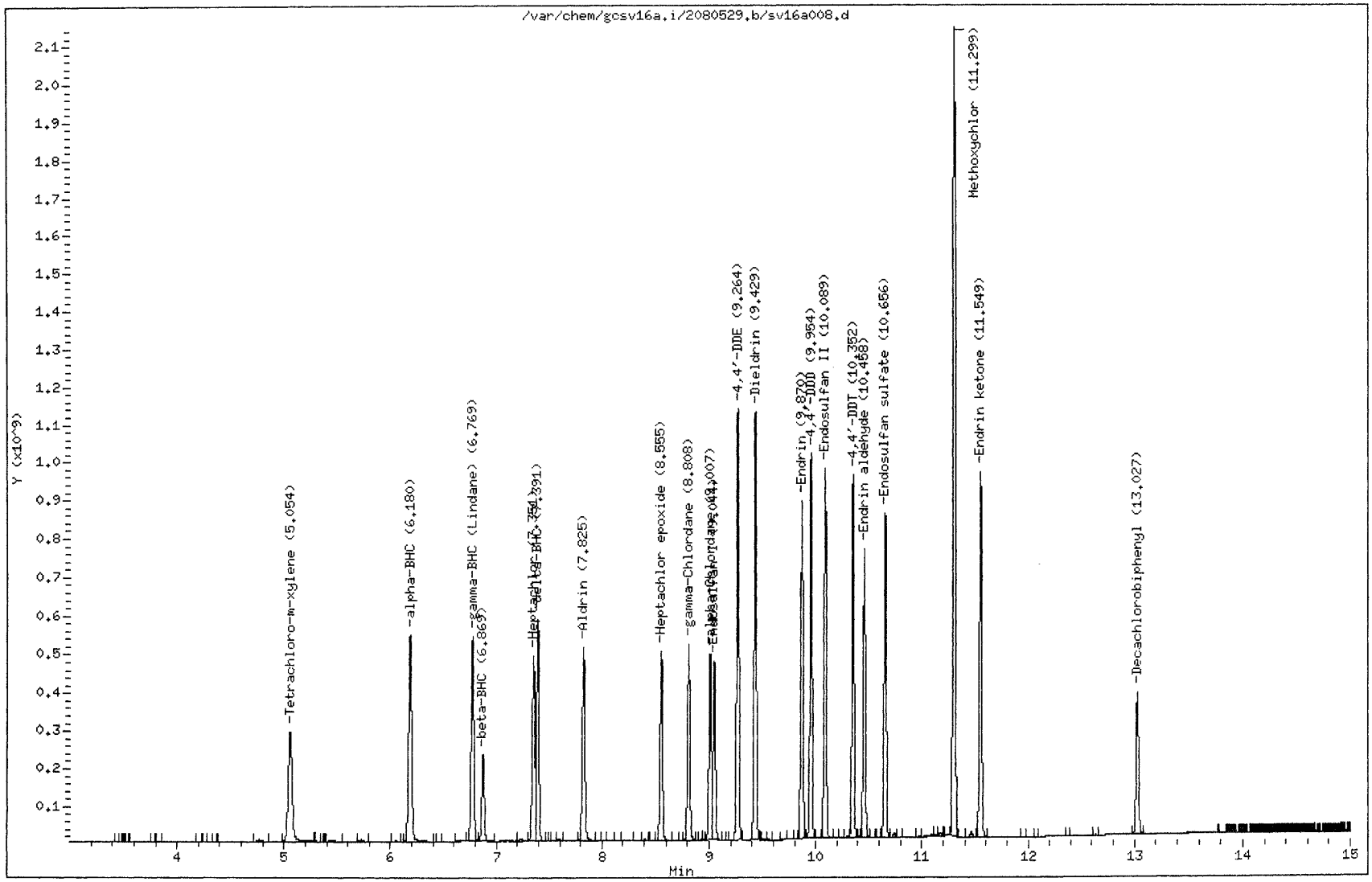
A - Target compound detected but, quantitated amount exceeded maximum amount.
M2- Compound response manually integrated because Target system integrated incorrectly.

170966

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a008.d
Date : 29-MAY-2008 19:31
Client ID:
Sample Info: 1205*1 80-22-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

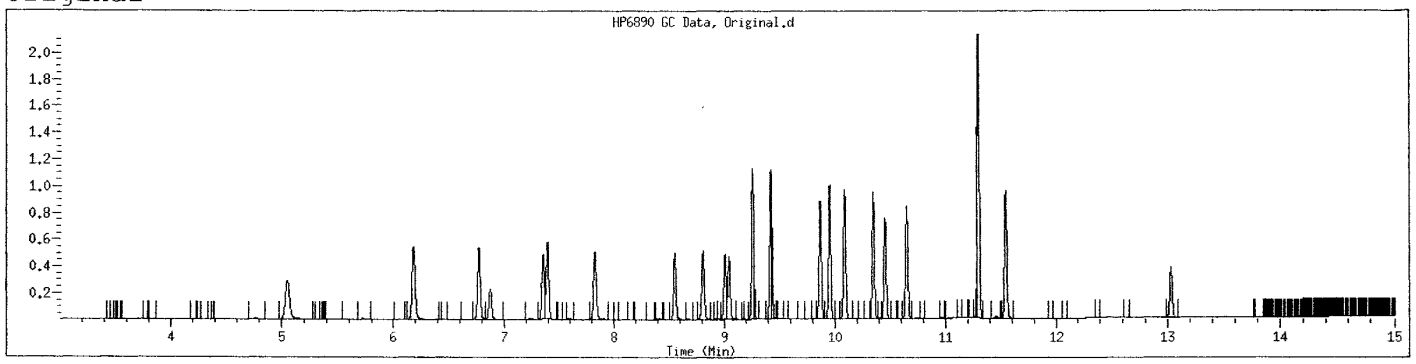


170967

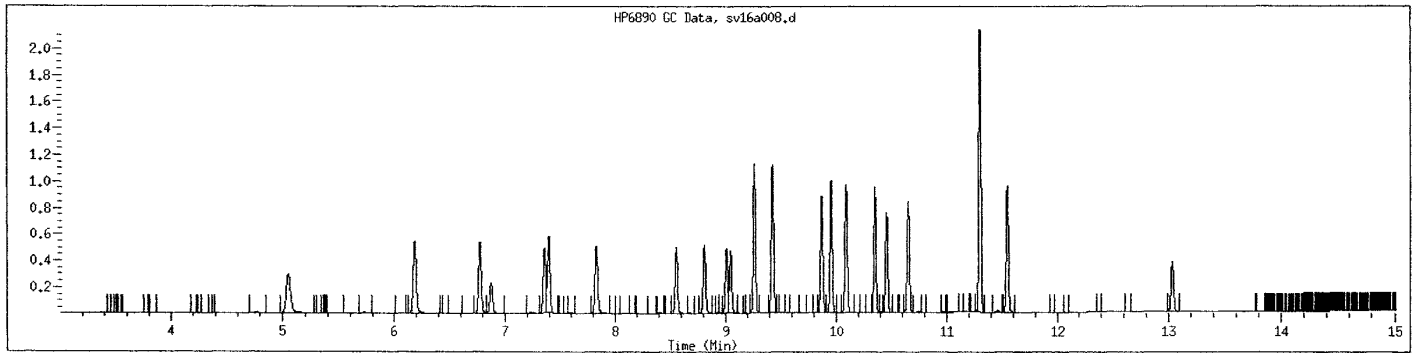
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 05/29/2008 19:31	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1205*1 80-22-8		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



170968

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a010.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a010.d
Lab Smp Id: 1205
Inj Date : 29-MAY-2008 20:09
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1205*1 80-17-2
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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

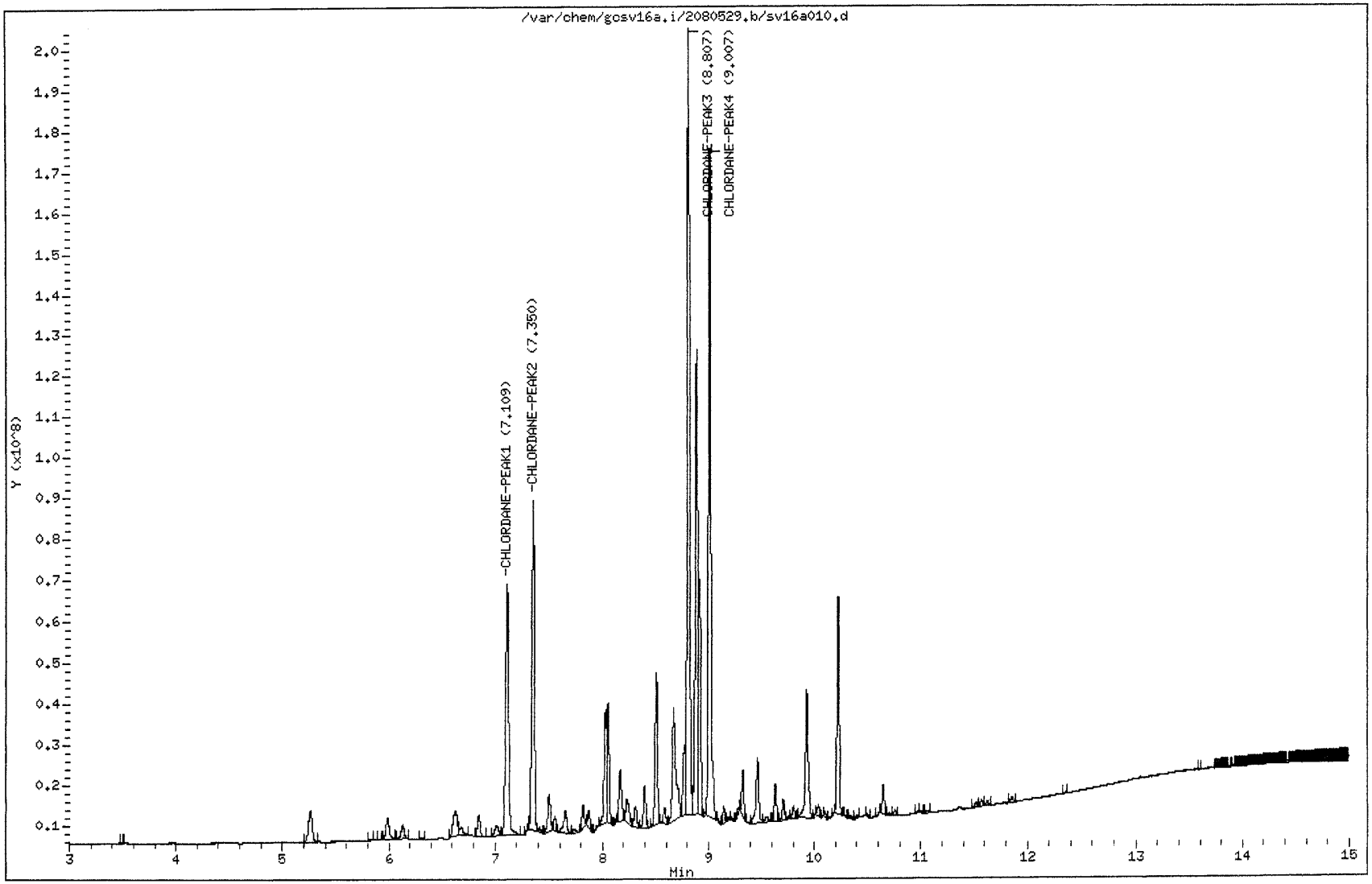
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 70 CHLORDANE-AVG				805107997	400.000	400
71 CHLORDANE-PEAK1	7.109	7.109	0.000	118659073	400.000	400
72 CHLORDANE-PEAK2	7.350	7.350	0.000	132690356	400.000	400
73 CHLORDANE-PEAK3	8.807	8.808	-0.001	296904241	400.000	400
74 CHLORDANE-PEAK4	9.007	9.008	-0.001	256854327	400.000	400

170969

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a010.d
Date : 29-MAY-2008 20:09
Client ID:
Sample Info: 1205M1 80-17-2
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

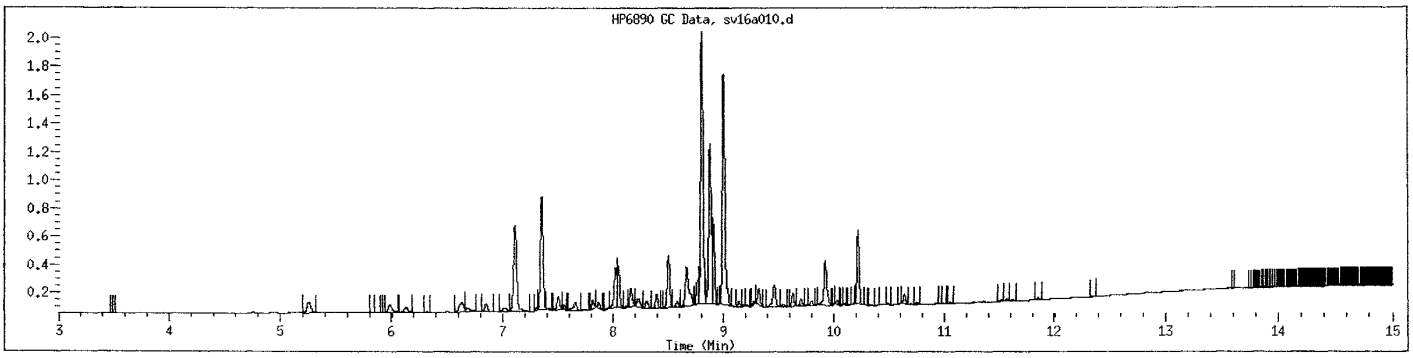
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080529.b/sv16a010.d Page: 1
Report Date: 05/30/2008 10:59

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 05/29/2008 20:09	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1205*1 80-17-2		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: chlor



NO MANUAL INTEGRATIONS

170971

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a011.d
Report Date: 30-May-2008 09:21

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a011.d
Lab Smp Id: 1201
Inj Date : 29-MAY-2008 20:28
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1201*1 80-13-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 09:21 root Quant Type: ESTD
Cal Date : 29-MAY-2008 20:28 Cal File: sv16a011.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)	ON-COL (UG/L)	
M	65 TOXAPHENE-AVG				101784788	250.000		(a)
	66 TOXAPHENE-PEAK1	10.177	10.179	-0.002	26091004	250.000		(a)
	67 TOXAPHENE-PEAK2	10.743	10.741	0.002	33595334	250.000		(a)
	68 TOXAPHENE-PEAK3	11.653	11.651	0.002	23262844	250.000		(a)
	69 TOXAPHENE-PEAK4	11.895	11.898	-0.003	18835606	250.000		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

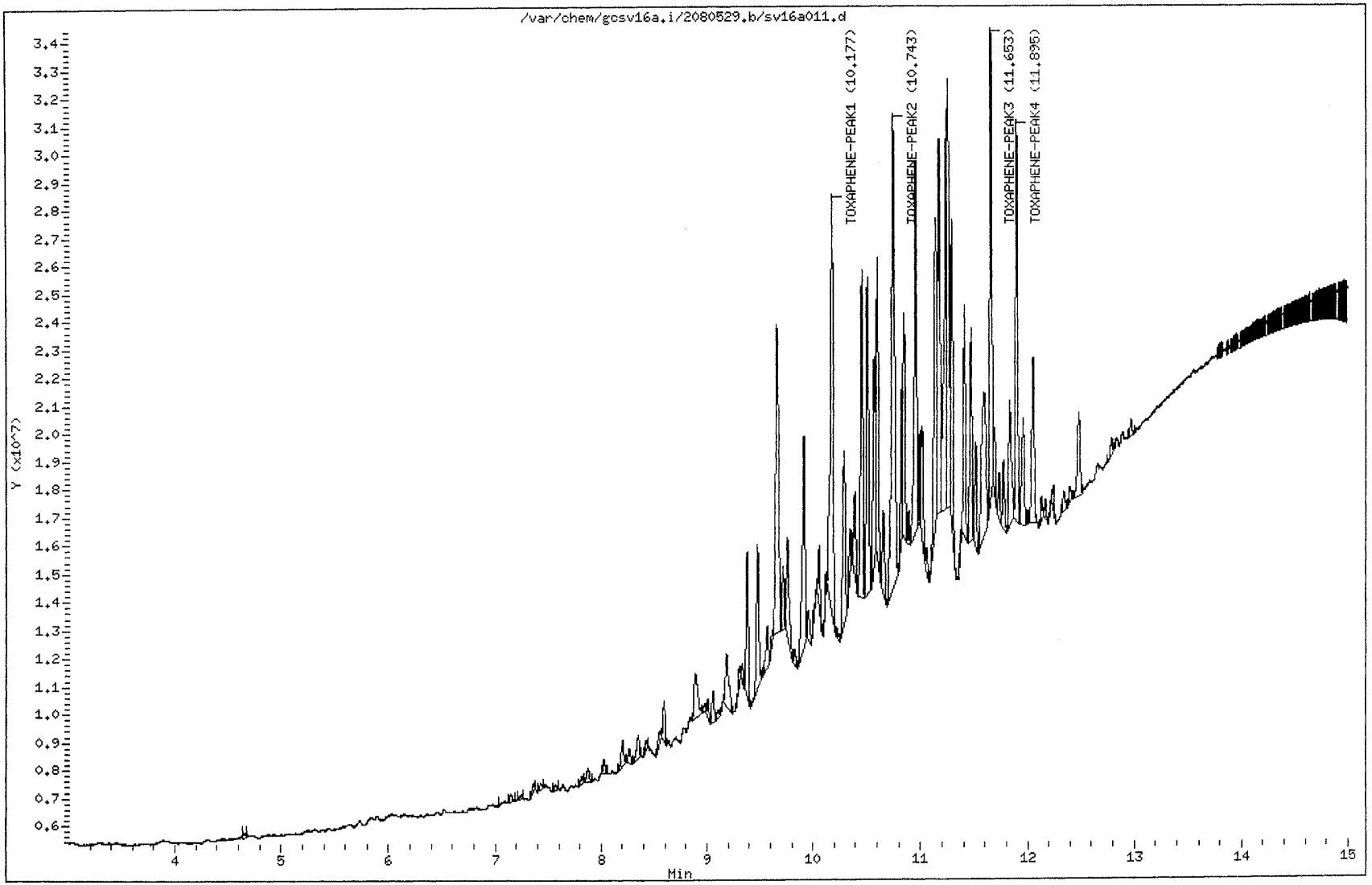
900

170972

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a011.d
Date : 29-MAY-2008 20:28
Client ID:
Sample Info: 1201x1 80-13-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

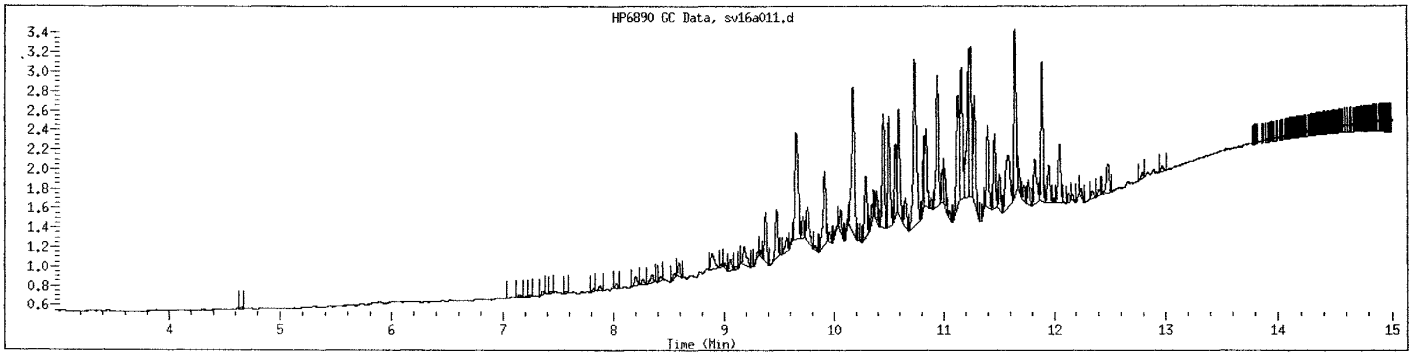
Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1201	SampleType	: CALIB_1
Injection Date	: 05/29/2008 20:28	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1201*1 80-13-8		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: tox



NO MANUAL INTEGRATIONS

170974

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a012.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a012.d
Lab Smp Id: 1205
Inj Date : 29-MAY-2008 20:46
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1205*1 80-13-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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

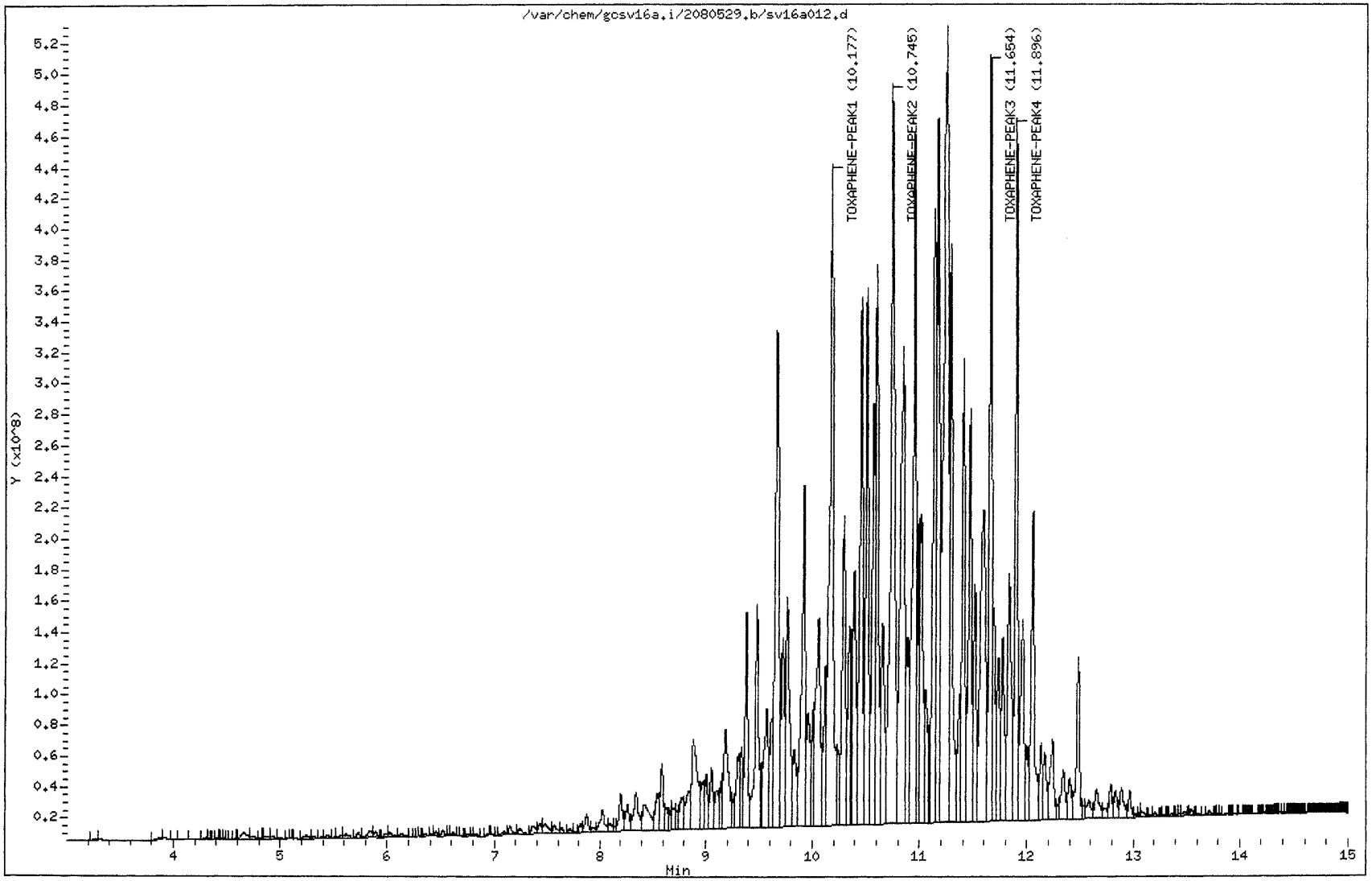
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	65 TOXAPHENE-AVG				3820586399	5000.00	5000
	66 TOXAPHENE-PEAK1	10.177	10.178	-0.001	1047393982	5000.00	5000
	67 TOXAPHENE-PEAK2	10.745	10.742	0.003	1265663044	5000.00	5000
	68 TOXAPHENE-PEAK3	11.654	11.652	0.002	810203428	5000.00	5000
	69 TOXAPHENE-PEAK4	11.896	11.897	-0.001	697325945	5000.00	5000

170975

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a012.d
Date : 29-MAY-2008 20:46
Client ID:
Sample Info: 1205*1 80-13-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

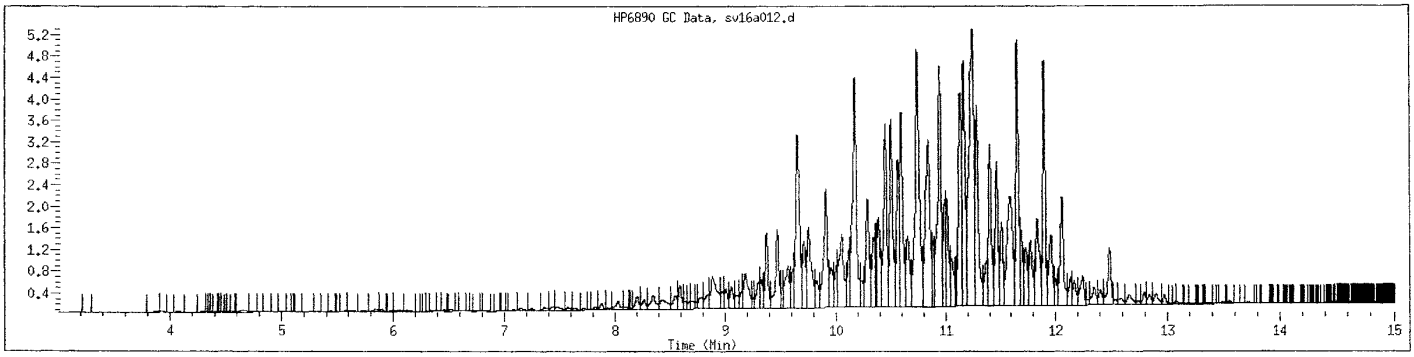
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080529.b/sv16a012.d Page: 1
Report Date: 05/30/2008 10:59

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 05/29/2008 20:46	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1205*1 80-13-8		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: tox



NO MANUAL INTEGRATIONS

170977

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a009.d
Report Date: 30-May-2008 09:21

GCAL, Inc.

RECOVERY REPORT

Client Name: Client SDG: 2080529
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/2080529.b/pest35MS.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
2 alpha-BHC	60	60	100.15	85-115
3 gamma-BHC (Lindane)	60	59	98.16	85-115
6 beta-BHC	60	59	98.33	85-115
4 Heptachlor	60	59	98.53	85-115
7 delta-BHC	60	59	98.41	85-115
5 Aldrin	60	59	99.02	85-115
8 Heptachlor epoxide	60	59	99.12	85-115
10 gamma-Chlordane	60	57	94.96	85-115
11 alpha-Chlordane	60	57	94.23	85-115
9 Endosulfan I	60	57	95.44	85-115
12 4,4'-DDE	60	58	96.96	85-115
13 Dieldrin	60	58	97.00	85-115
14 Endrin	60	58	97.01	85-115
15 4,4'-DDD	60	59	98.42	85-115
16 Endosulfan II	60	58	96.68	85-115
17 4,4'-DDT	60	53	88.58	85-115
18 Endrin aldehyde	60	55	92.35	85-115
20 Endosulfan sulfate	60	57	95.43	85-115
19 Methoxychlor	60	53	88.36	85-115
21 Endrin ketone	60	61	101.02	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

170978

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a009.d
Report Date: 30-May-2008 09:21

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a009.d
Lab Smp Id: 1600
Inj Date : 29-MAY-2008 19:50
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1600*1 80-14-5
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 09:21 root Quant Type: ESTD
Cal Date : 29-MAY-2008 19:31 Cal File: sv16a008.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	6.181	6.180	0.001	615809743	60.0916	60
3 gamma-BHC (Lindane)	6.770	6.770	0.000	520276321	58.8944	59
6 beta-BHC	6.870	6.870	0.000	223049995	58.9969	59
4 Heptachlor	7.351	7.351	0.000	460825261	59.1209	59
7 delta-BHC	7.390	7.390	0.000	514064023	59.0452	59
5 Aldrin	7.825	7.827	-0.002	498106690	59.4134	59
8 Heptachlor epoxide	8.555	8.557	-0.002	439989304	59.4703	59
10 gamma-Chlordane	8.808	8.809	-0.001	432716826	56.9777	57
11 alpha-Chlordane	9.007	9.008	-0.001	387200947	56.5365	57
9 Endosulfan I	9.044	9.042	0.002	387171128	57.2614	57
12 4,4'-DDE	9.263	9.262	0.001	441015324	58.1783	58
13 Dieldrin	9.428	9.429	-0.001	457228823	58.1992	58
14 Endrin	9.870	9.870	0.000	352882072	58.2089	58

170979

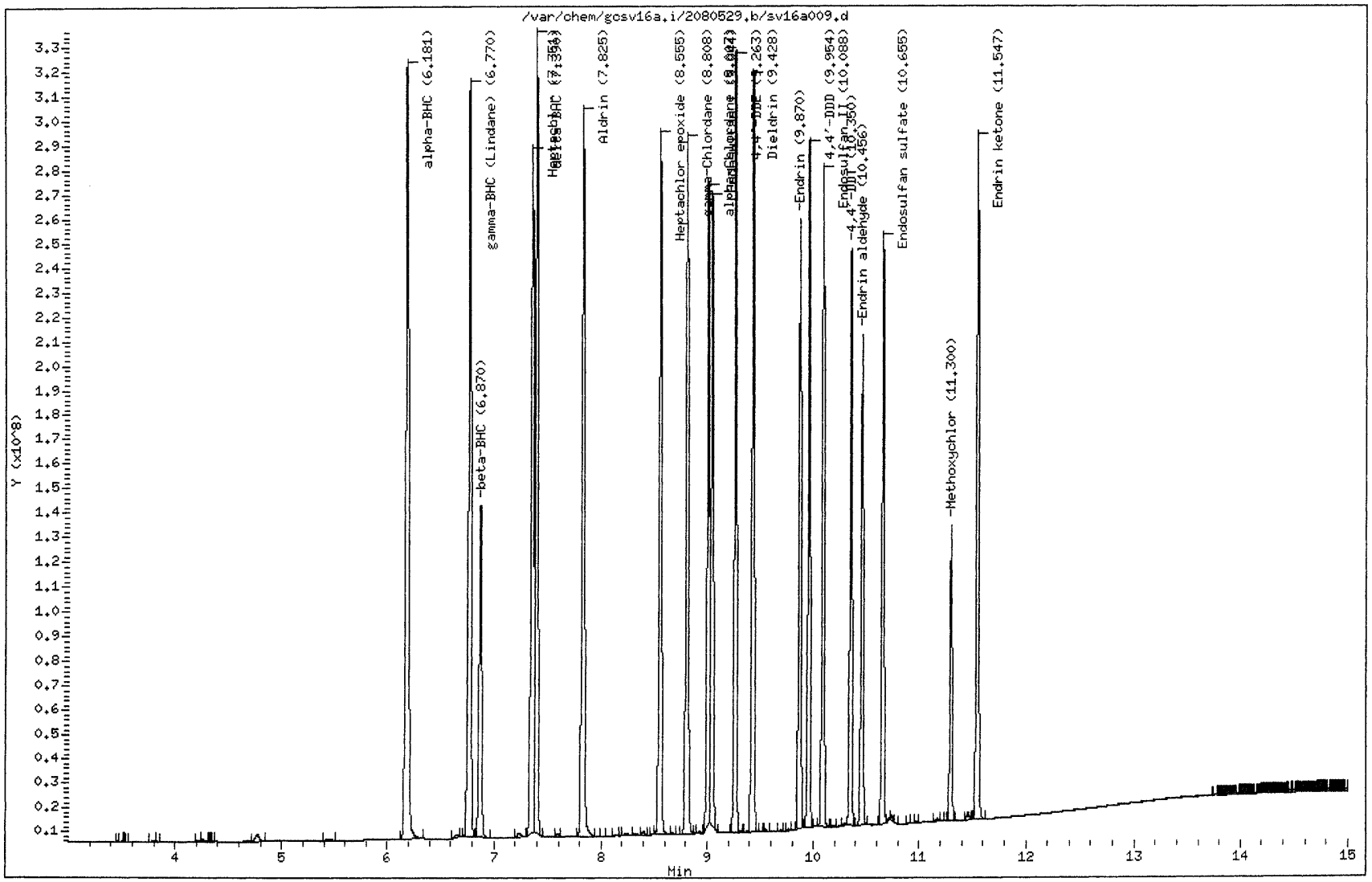
Data File: /var/chem/gcsv16a.i/2080529.b/sv16a009.d
Report Date: 30-May-2008 09:21

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
15 4,4'-DDD	9.954	9.953	0.001	375387795	59.0524	59
16 Endosulfan II	10.088	10.089	-0.001	382849604	58.0091	58
17 4,4'-DDT	10.350	10.351	-0.001	311443090	53.1476	53
18 Endrin aldehyde	10.456	10.458	-0.002	282810458	55.4071	55
20 Endosulfan sulfate	10.655	10.655	0.000	331232358	57.2572	57
19 Methoxychlor	11.300	11.301	-0.001	157436628	53.0181	53
21 Endrin ketone	11.547	11.549	-0.002	397937327	60.6134	61

170980

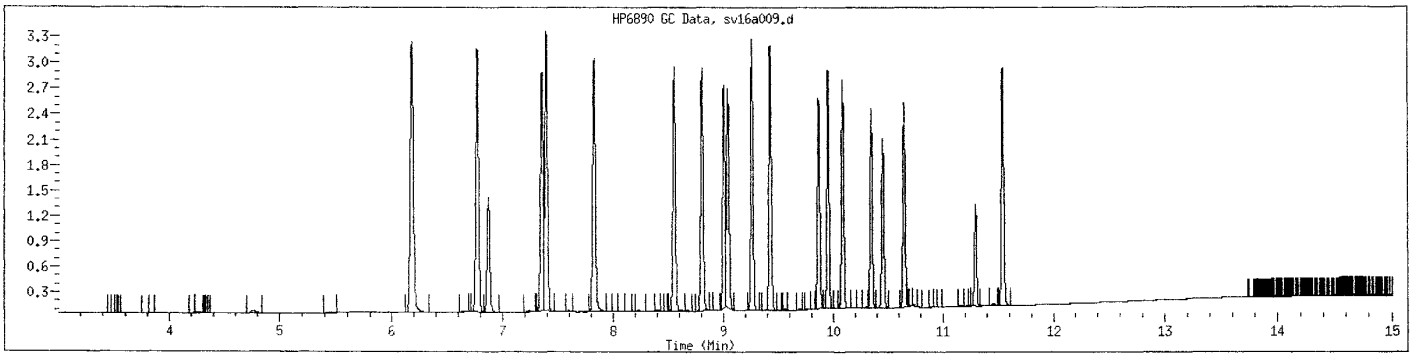
Data File: /var/chem/gcsv16a.i/2080529.b/sv16a009.d
Date : 29-MAY-2008 19:50
Client ID:
Sample Info: 1600x1 80-14-5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 05/29/2008 19:50	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1600*1 80-14-5		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

170982

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

$$\frac{12541349 + 2075379}{12541349 + 2075379 + 393892364} \times 100 = 3.6\ \%$$

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

$$\frac{36052142 + 12244397}{36052142 + 12244397 + 445217820} \times 100 = 9.8\ \%$$

Endrin Breakdown: Criteria < 15%

170983

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a002.d
Report Date: 07-Jun-2008 15:35

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a002.d
Lab Smp Id: deg
Inj Date : 06-JUN-2008 09:29
Operator : tls Inst ID: gcsv16a.i
Smp Info : deg*1 80-19-6
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 07-Jun-2008 15:27 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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)

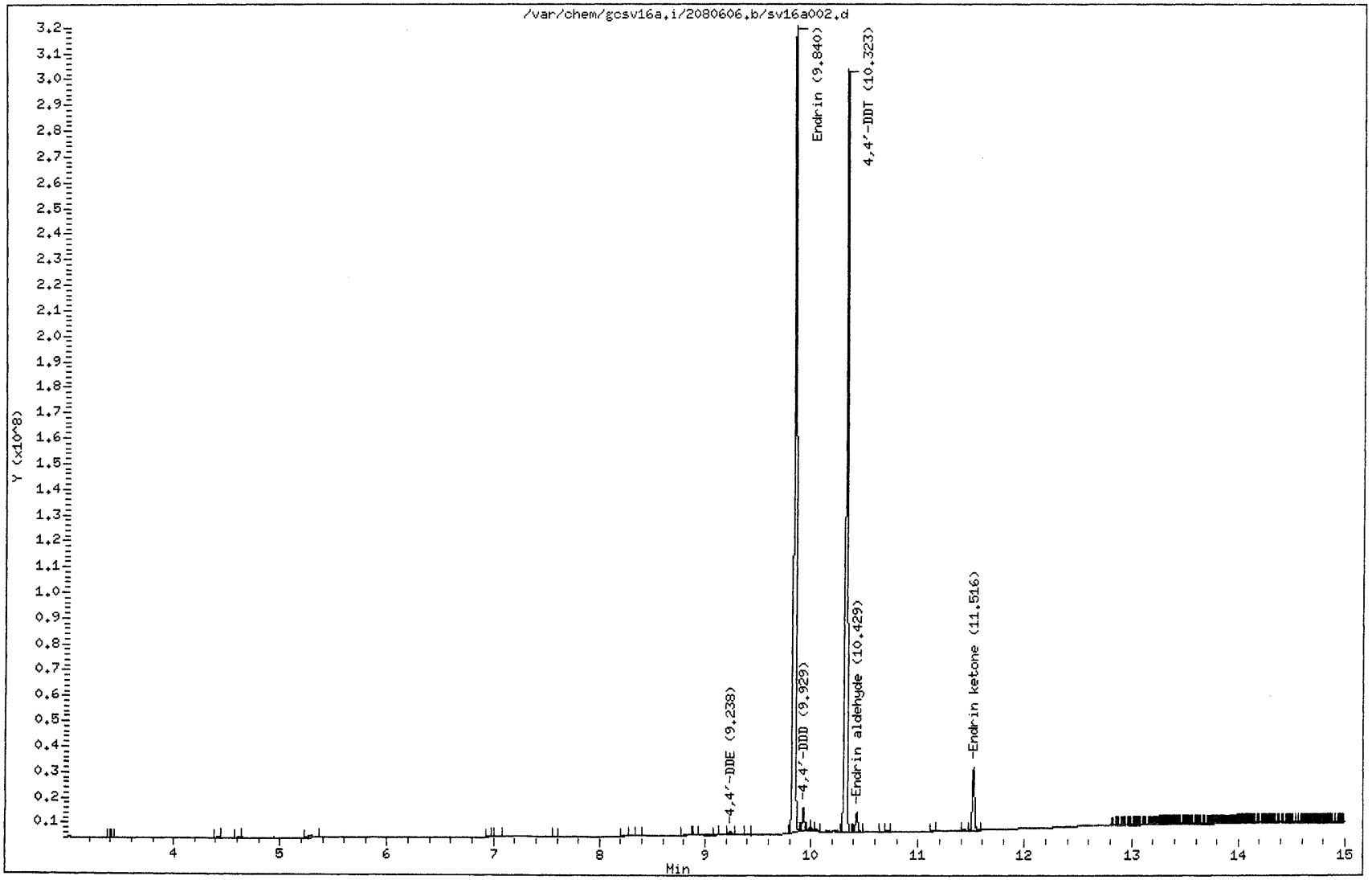
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	9.238	9.257	-0.019	2075379	0.27378	0.0027
15 4,4'-DDD	9.929	9.948	-0.019	12541349	1.97288	0.020
17 4,4'-DDT	10.323	10.345	-0.022	393892364	67.2175	0.67
18 Endrin aldehyde	10.429	10.452	-0.023	12244397	2.39887	0.024
21 Endrin ketone	11.516	11.513	0.003	36052142	5.49143	0.055
14 Endrin	9.840	9.864	-0.024	445217820	73.4399	0.73

170984

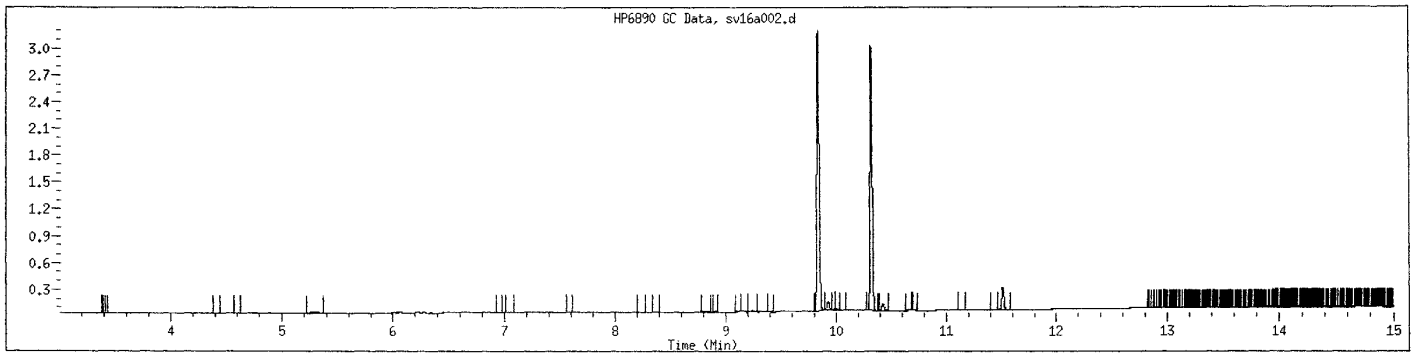
Data File: /var/chem/gcsv16a.i/2080606.b/sv16a002.d
Date : 06-JUN-2008 09:29
Client ID:
Sample Info: deg%1 80-19-6
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: deg	SampleType	: SAMPLE
Injection Date	: 06/06/2008 09:29	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: deg*1 80-19-6		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: deg



NO MANUAL INTEGRATIONS

170986

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a003.d
Report Date: 09-Jun-2008 12:26

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 06-JUN-2008 09:48
Lab File ID: sv16a003.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080606.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	7832536	7305868	0.010	6.72410	20.00000	Averaged
2 alpha-BHC	10247844	9485433	0.010	7.43972	20.00000	Averaged
3 gamma-BHC (Lindane)	8834053	8388485	0.010	5.04376	20.00000	Averaged
6 beta-BHC	3780707	3637468	0.010	3.78867	20.00000	Averaged
4 Heptachlor	7794624	7409728	0.010	4.93797	20.00000	Averaged
7 delta-BHC	8706284	8273398	0.010	4.97210	20.00000	Averaged
5 Aldrin	8383738	7566825	0.010	9.74402	20.00000	Averaged
8 Heptachlor epoxide	7398469	6865376	0.010	7.20546	20.00000	Averaged
10 gamma-Chlordane	7594496	6863859	0.010	9.62061	20.00000	Averaged
11 alpha-Chlordane	6848684	6206137	0.010	9.38206	20.00000	Averaged
9 Endosulfan I	6761473	6475369	0.010	4.23138	20.00000	Averaged
12 4,4'-DDE	7580410	6832514	0.010	9.86617	20.00000	Averaged
13 Dieldrin	7856269	7185910	0.010	8.53280	20.00000	Averaged
14 Endrin	6062340	5781537	0.010	4.63192	20.00000	Averaged
15 4,4'-DDD	6356864	5947930	0.010	6.43296	20.00000	Averaged
16 Endosulfan II	6599819	6086928	0.010	7.77129	20.00000	Averaged
17 4,4'-DDT	5859967	5400990	0.010	7.83242	20.00000	Averaged
18 Endrin aldehyde	5104232	4866294	0.010	4.66159	20.00000	Averaged
20 Endosulfan sulfate	5784986	5447660	0.010	5.83106	20.00000	Averaged
19 Methoxychlor	2969487	2788038	0.010	6.11044	20.00000	Averaged
21 Endrin ketone	6565166	6325144	0.010	3.65599	20.00000	Averaged
$ 22 Decachlorobiphenyl	5797031	5190135	0.010	10.46909	20.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 6.76753
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

170987

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a003.d
Report Date: 09-Jun-2008 12:26

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a003.d
Lab Smp Id: 1400
Inj Date : 06-JUN-2008 09:48
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:26 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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	5.026	5.019	0.007	438352094	60.0000	56
2	alpha-BHC	6.152	6.146	0.006	569125992	60.0000	56
3	gamma-BHC (Lindane)	6.742	6.734	0.008	503309112	60.0000	57
6	beta-BHC	6.843	6.835	0.008	218248102	60.0000	58
4	Heptachlor	7.324	7.324	0.000	444583699	60.0000	57
7	delta-BHC	7.364	7.364	0.000	496403902	60.0000	57
5	Aldrin	7.798	7.792	0.006	454009485	60.0000	54
8	Heptachlor epoxide	8.528	8.520	0.008	411922541	60.0000	56
10	gamma-Chlordane	8.782	8.774	0.008	411831565	60.0000	54
11	alpha-Chlordane	8.980	8.986	-0.006	372368207	60.0000	54
9	Endosulfan I	9.016	9.023	-0.007	388522154	60.0000	57
12	4,4'-DDE	9.237	9.228	0.009	819901700	120.000	110
13	Dieldrin	9.401	9.392	0.009	862309140	120.000	110

170988

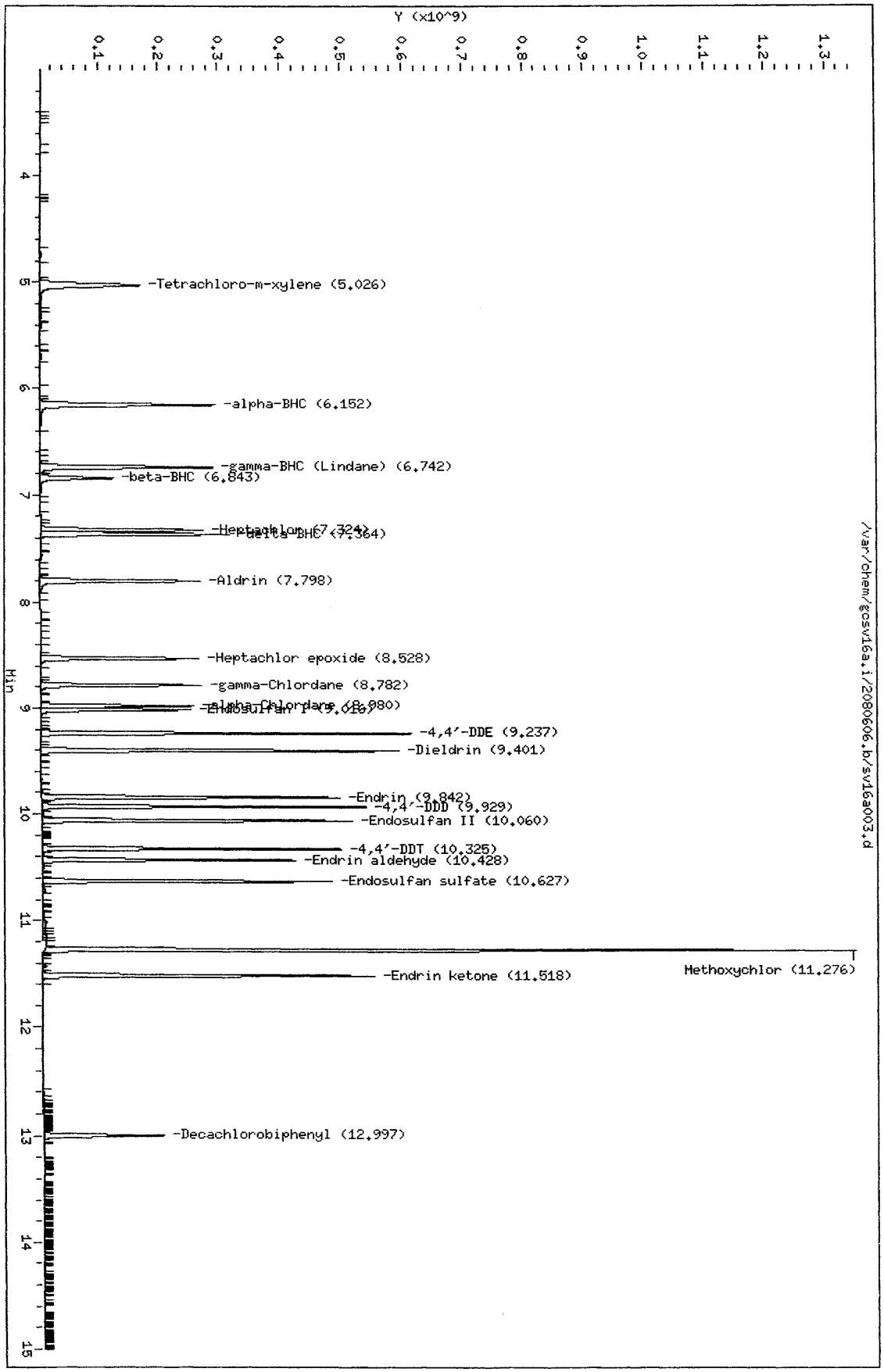
Data File: /var/chem/gcsv16a.i/2080606.b/sv16a003.d
Report Date: 09-Jun-2008 12:26

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.842	9.834	0.008	693784490	120.000	110
15	4,4'-DDD	9.929	9.922	0.007	713751564	120.000	110
16	Endosulfan II	10.060	10.052	0.008	730431327	120.000	110
17	4,4'-DDT	10.325	10.318	0.007	648118828	120.000	110
18	Endrin aldehyde	10.428	10.420	0.008	583955259	120.000	110
20	Endosulfan sulfate	10.627	10.619	0.008	653719239	120.000	110
19	Methoxychlor	11.276	11.295	-0.019	1672823006	600.000	560 (M2)
21	Endrin ketone	11.518	11.514	0.004	759017335	120.000	120
$ 22	Decachlorobiphenyl	12.997	12.992	0.005	311408076	60.0000	54

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

170989

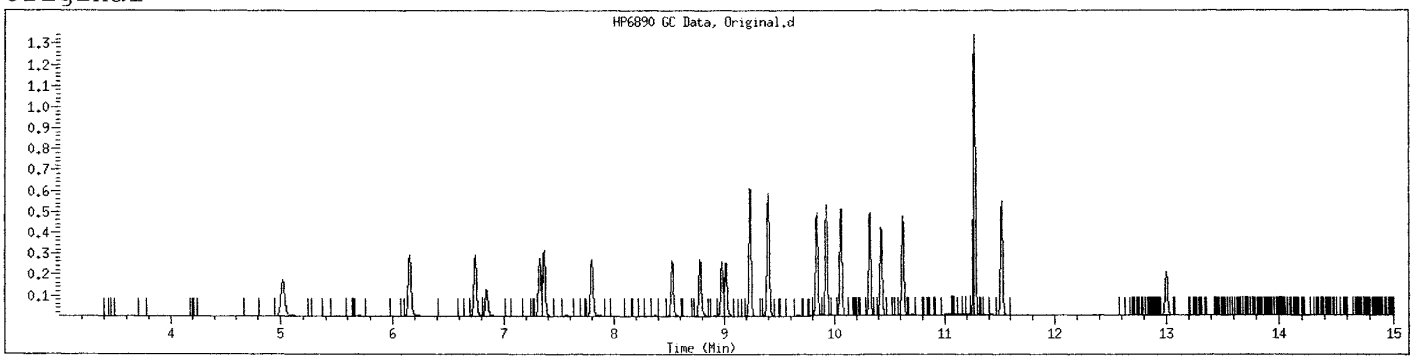

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a003.d
Date : 06-JUN-2008 09:48
Client ID:
Sample Info: 1400x1 80-22-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
/var/chem/gcsv16a.i/2080606.b/sv16a003.d
Y (x10^9)
Min
-Tetrachloro-m-xylene (5.026)
-alpha-BHC (6.152)
-gamma-BHC (Lindane) (6.742)
-beta-BHC (6.843)
-Heptachlor (7.324)
-Aldrin (7.798)
-Heptachlor epoxide (8.528)
-gamma-Chlordane (8.782)
-4,4'-DDE (9.237)
-Dieldrin (9.401)
-Endrin (9.842)
-4,4'-DDD (9.929)
-Endosulfan II (10.060)
-4,4'-DDT (10.325)
-Endrin aldehyde (10.428)
-Endosulfan sulfate (10.627)
Methoxychlor (11.276)
-Endrin ketone (11.518)
-Decachlorobiphenyl (12.997)

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a003.d Page: 1
Report Date: 06/09/2008 12:26

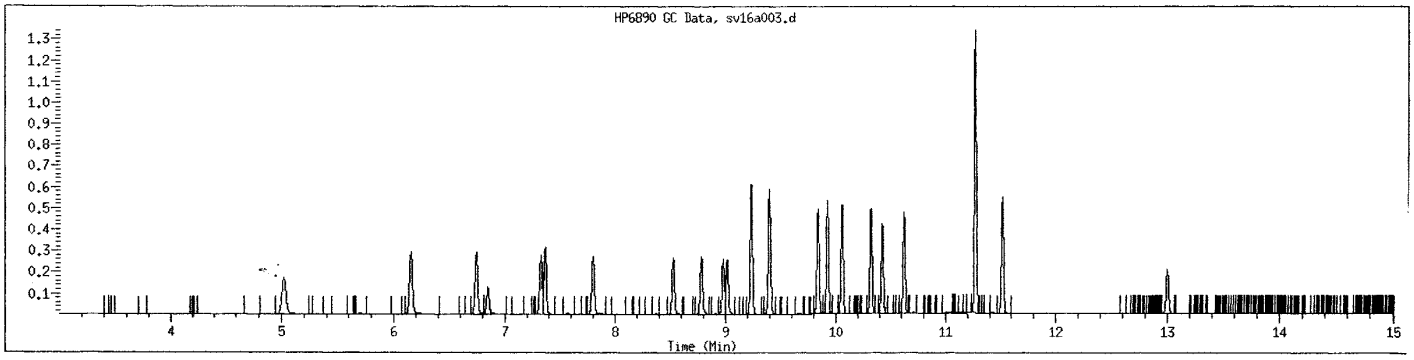
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/06/2008 09:48	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-22-8		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



170991

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a013.d
Report Date: 09-Jun-2008 12:26

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 06-JUN-2008 16:38
Lab File ID: sv16a013.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080606.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	7832536	7280186	0.010	7.05200	20.00000	Averaged
2 alpha-BHC	10247844	9771539	0.010	4.64786	20.00000	Averaged
3 gamma-BHC (Lindane)	8834053	8729591	0.010	1.18250	20.00000	Averaged
6 beta-BHC	3780707	3658525	0.010	3.23172	20.00000	Averaged
4 Heptachlor	7794624	8030797	0.010	-3.02994	20.00000	Averaged
7 delta-BHC	8706284	8906440	0.010	-2.29899	20.00000	Averaged
5 Aldrin	8383738	8216305	0.010	1.99712	20.00000	Averaged
8 Heptachlor epoxide	7398469	7831016	0.010	-5.84643	20.00000	Averaged
10 gamma-Chlordane	7594496	8555760	0.010	-12.65736	20.00000	Averaged
11 alpha-Chlordane	6848684	6886427	0.010	-0.55109	20.00000	Averaged
9 Endosulfan I	6761473	7091915	0.010	-4.88712	20.00000	Averaged
12 4,4'-DDE	7580410	7490489	0.010	1.18623	20.00000	Averaged
13 Dieldrin	7856269	7782670	0.010	0.93682	20.00000	Averaged
14 Endrin	6062340	6783998	0.010	-11.90395	20.00000	Averaged
15 4,4'-DDD	6356864	6404621	0.010	-0.75126	20.00000	Averaged
16 Endosulfan II	6599819	6474195	0.010	1.90344	20.00000	Averaged
17 4,4'-DDT	5859967	6755365	0.010	-15.27991	20.00000	Averaged
18 Endrin aldehyde	5104232	4934048	0.010	3.33419	20.00000	Averaged
20 Endosulfan sulfate	5784986	5960233	0.010	-3.02933	20.00000	Averaged
19 Methoxychlor	2969487	3419863	0.010	-15.16680	20.00000	Averaged
21 Endrin ketone	6565166	6983834	0.010	-6.37710	20.00000	Averaged
$ 22 Decachlorobiphenyl	5797031	5786245	0.010	0.18606	20.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.88351
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

170992

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a013.d
Report Date: 09-Jun-2008 12:26

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a013.d
Lab Smp Id: 1400
Inj Date : 06-JUN-2008 16:38
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:26 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 13 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	5.022	5.018	0.004	436811137	60.0000	56
2	alpha-BHC	6.148	6.145	0.003	586292334	60.0000	57
3	gamma-BHC (Lindane)	6.737	6.733	0.004	523775456	60.0000	59
6	beta-BHC	6.840	6.835	0.005	219511504	60.0000	58
4	Heptachlor	7.320	7.324	-0.004	481847831	60.0000	62
7	delta-BHC	7.360	7.364	-0.004	534386403	60.0000	61
5	Aldrin	7.794	7.792	0.002	492978276	60.0000	59
8	Heptachlor epoxide	8.523	8.520	0.003	469860945	60.0000	64
10	gamma-Chlordane	8.778	8.774	0.004	513345572	60.0000	68
11	alpha-Chlordane	8.976	8.986	-0.010	413185611	60.0000	60
9	Endosulfan I	9.012	9.022	-0.010	425514872	60.0000	63
12	4,4'-DDE	9.233	9.227	0.006	898858680	120.000	120
13	Dieldrin	9.396	9.391	0.005	933920420	120.000	120

170993

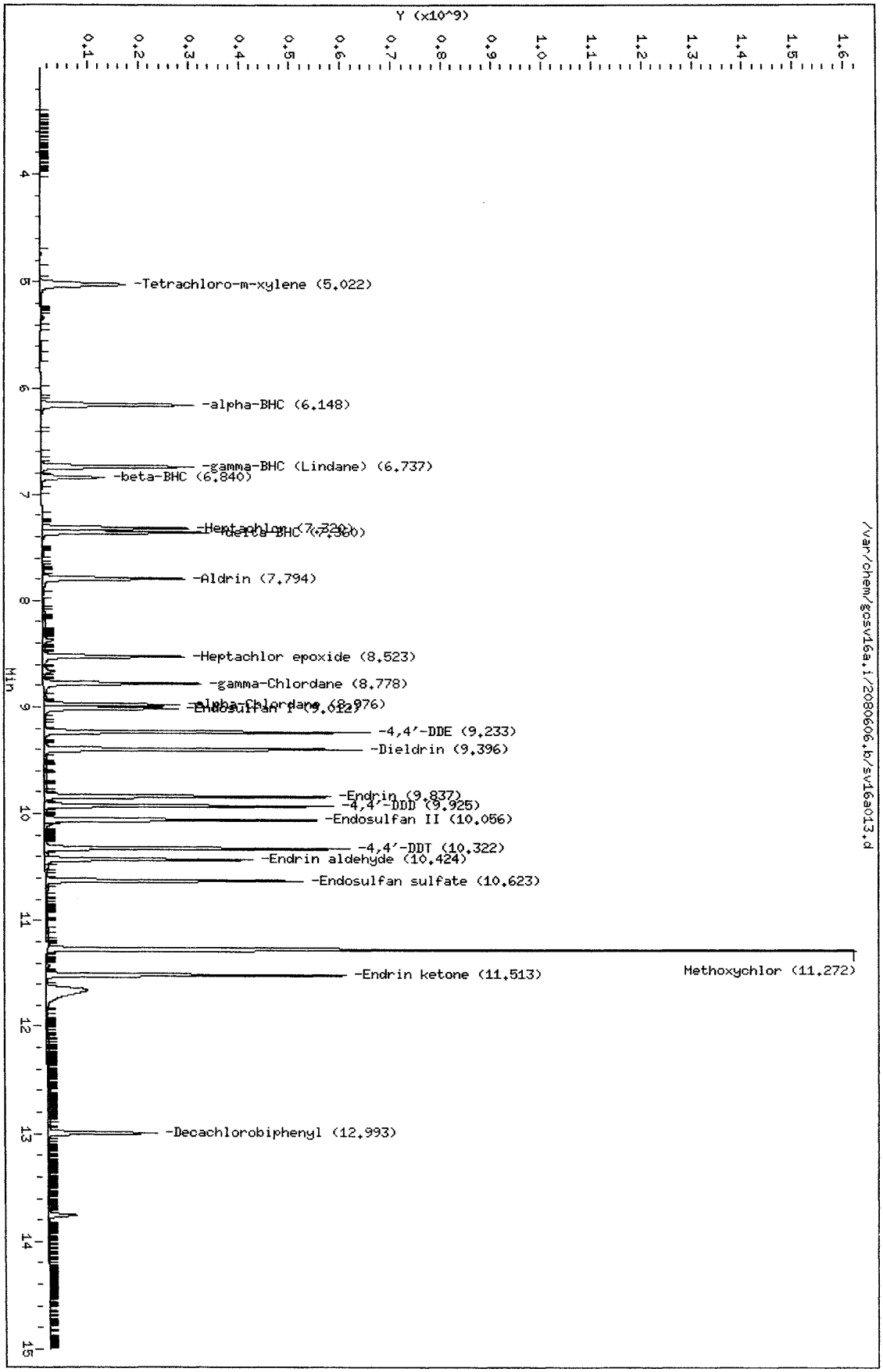
Data File: /var/chem/gcsv16a.i/2080606.b/sv16a013.d
Report Date: 09-Jun-2008 12:26

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.837	9.833	0.004	814079748	120.000	130
	15 4,4'-DDD	9.925	9.921	0.004	768554463	120.000	120
	16 Endosulfan II	10.056	10.051	0.005	776903434	120.000	120
	17 4,4'-DDT	10.322	10.317	0.005	810643761	120.000	140
	18 Endrin aldehyde	10.424	10.420	0.004	592085704	120.000	120
	20 Endosulfan sulfate	10.623	10.619	0.004	715227947	120.000	120
	19 Methoxychlor	11.272	11.294	-0.022	2051918036	600.000	690 (M2)
	21 Endrin ketone	11.513	11.513	0.000	838060028	120.000	130
$	22 Decachlorobiphenyl	12.993	12.991	0.002	347174696	60.0000	60

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

170994


Data File: /var/chem/gcsv16a.i/20080606.b/sv16a013.d
Date : 06-JUN-2008 16:38
Client ID:
Sample Info: 1400ml 80-22-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
/var/chem/gcsv16a.i/20080606.b/sv16a013.d
Y (x10^9)
Min
-Tetrachloro-m-xylene (5.022)
-alpha-BHC (6.148)
-gamma-BHC (Lindane) (6.737)
-beta-BHC (6.840)
-Heptachlor (7.320)
-delta-BHC (7.360)
-Aldrin (7.794)
-Heptachlor epoxide (8.523)
-gamma-Chlordane (8.778)
-alpha-Chlordane (8.976)
-Endosulfan I (9.012)
-4,4'-DDE (9.233)
-Dieldrin (9.396)
-Endrin (9.837)
-4,4'-DDD (9.925)
-Endosulfan II (10.056)
-4,4'-DDT (10.322)
-Endrin aldehyde (10.424)
-Endosulfan sulfate (10.623)
Methoxychlor (11.272)
-Endrin ketone (11.513)
-Decachlorobiphenyl (12.993)

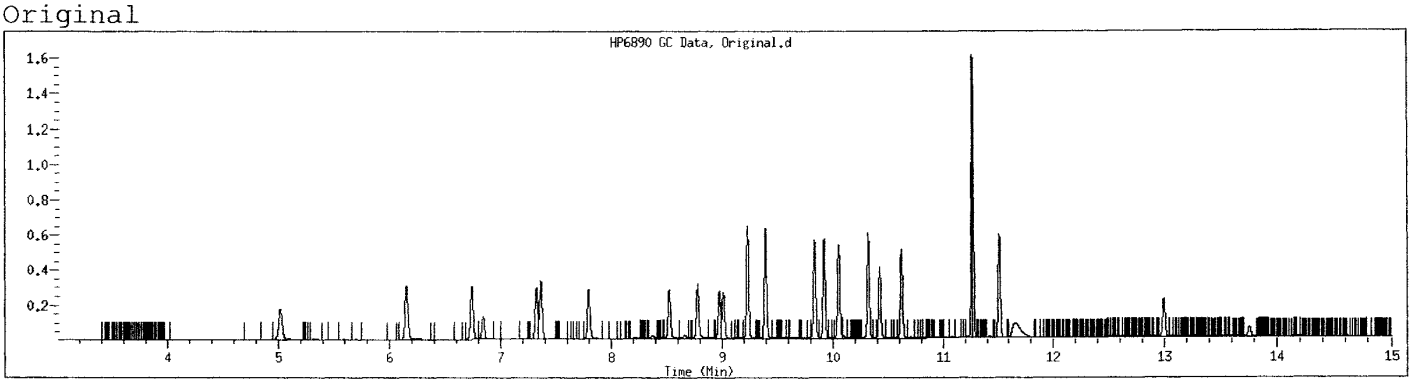
170995

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a013.d Page: 1
Report Date: 06/09/2008 12:26

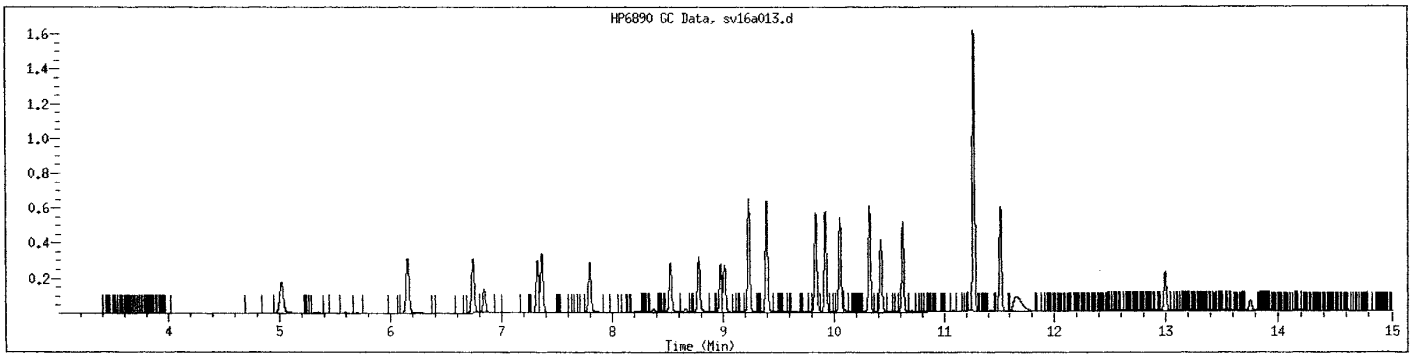
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/06/2008 16:38	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-22-8		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



170996

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a023.d
Report Date: 09-Jun-2008 12:26

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 06-JUN-2008 19:53
Lab File ID: sv16a023.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080606.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	7832536	6959618	0.010	11.14476	20.00000	Averaged
2 alpha-BHC	10247844	9476755	0.010	7.52441	20.00000	Averaged
3 gamma-BHC (Lindane)	8834053	8324350	0.010	5.76975	20.00000	Averaged
6 beta-BHC	3780707	3605127	0.010	4.64411	20.00000	Averaged
4 Heptachlor	7794624	7228675	0.010	7.26077	20.00000	Averaged
7 delta-BHC	8706284	8298992	0.010	4.67814	20.00000	Averaged
5 Aldrin	8383738	7464865	0.010	10.96018	20.00000	Averaged
8 Heptachlor epoxide	7398469	6777372	0.010	8.39494	20.00000	Averaged
10 gamma-Chlordane	7594496	6779790	0.010	10.72759	20.00000	Averaged
11 alpha-Chlordane	6848684	6111824	0.010	10.75914	20.00000	Averaged
9 Endosulfan I	6761473	6329452	0.010	6.38945	20.00000	Averaged
12 4,4'-DDE	7580410	6721557	0.010	11.32991	20.00000	Averaged
13 Dieldrin	7856269	7064263	0.010	10.08120	20.00000	Averaged
14 Endrin	6062340	5845221	0.010	3.58144	20.00000	Averaged
15 4,4'-DDD	6356864	5832018	0.010	8.25636	20.00000	Averaged
16 Endosulfan II	6599819	5979618	0.010	9.39724	20.00000	Averaged
17 4,4'-DDT	5859967	5443082	0.010	7.11412	20.00000	Averaged
18 Endrin aldehyde	5104232	4567843	0.010	10.50871	20.00000	Averaged
20 Endosulfan sulfate	5784986	5376240	0.010	7.06564	20.00000	Averaged
19 Methoxychlor	2969487	2808713	0.010	5.41420	20.00000	Averaged
21 Endrin ketone	6565166	6313234	0.010	3.83741	20.00000	Averaged
$ 22 Decachlorobiphenyl	5797031	5108632	0.010	11.87502	20.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 8.03248
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

170997

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a023.d
Report Date: 09-Jun-2008 12:26

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a023.d
Lab Smp Id: 1400
Inj Date : 06-JUN-2008 19:53
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:26 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 23 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	5.021	5.018	0.003	417577101	60.0000	53
2	alpha-BHC	6.148	6.145	0.003	568605274	60.0000	55
3	gamma-BHC (Lindane)	6.737	6.733	0.004	499461015	60.0000	57
6	beta-BHC	6.840	6.835	0.005	216307599	60.0000	57
4	Heptachlor	7.320	7.324	-0.004	433720472	60.0000	56
7	delta-BHC	7.360	7.364	-0.004	497939503	60.0000	57
5	Aldrin	7.794	7.792	0.002	447891907	60.0000	53
8	Heptachlor epoxide	8.524	8.520	0.004	406642320	60.0000	55
10	gamma-Chlordane	8.778	8.774	0.004	406787421	60.0000	54
11	alpha-Chlordane	8.976	8.986	-0.010	366709460	60.0000	54
9	Endosulfan I	9.012	9.022	-0.010	379767115	60.0000	56
12	4,4'-DDE	9.234	9.227	0.007	806586796	120.000	110
13	Dieldrin	9.396	9.391	0.005	847711524	120.000	110

170998

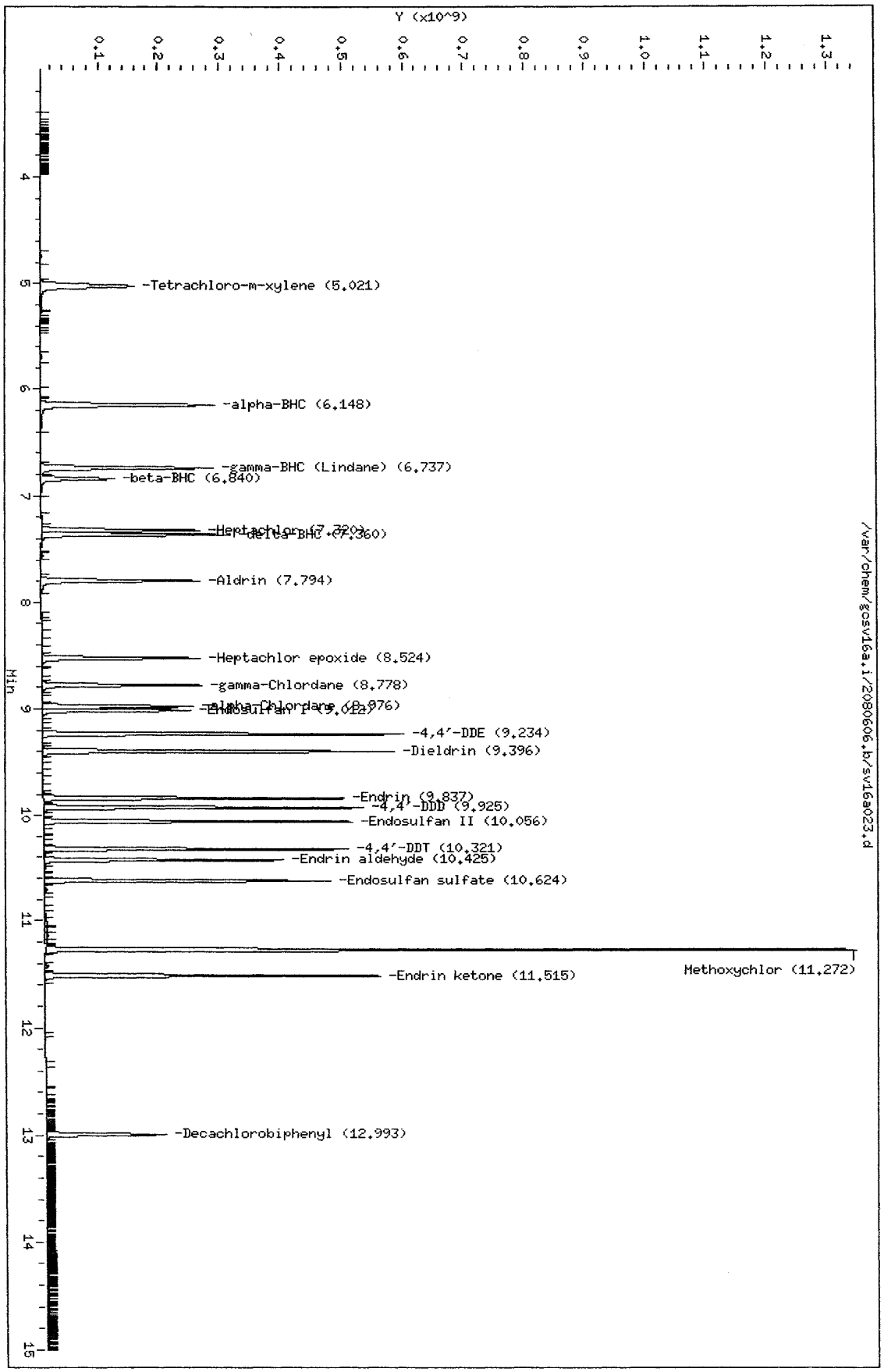
Data File: /var/chem/gcsv16a.i/2080606.b/sv16a023.d
Report Date: 09-Jun-2008 12:26

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.837	9.833	0.004	701426561	120.000	120
15	4,4'-DDD	9.925	9.921	0.004	699842219	120.000	110
16	Endosulfan II	10.056	10.051	0.005	717554126	120.000	110
17	4,4'-DDT	10.321	10.317	0.004	653169883	120.000	110
18	Endrin aldehyde	10.425	10.420	0.005	548141183	120.000	110
20	Endosulfan sulfate	10.624	10.619	0.005	645148773	120.000	110
19	Methoxychlor	11.272	11.295	-0.023	1685228000	600.000	570 (M2)
21	Endrin ketone	11.515	11.513	0.002	757588084	120.000	120
$ 22	Decachlorobiphenyl	12.993	12.991	0.002	306517940	60.0000	53

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

170999

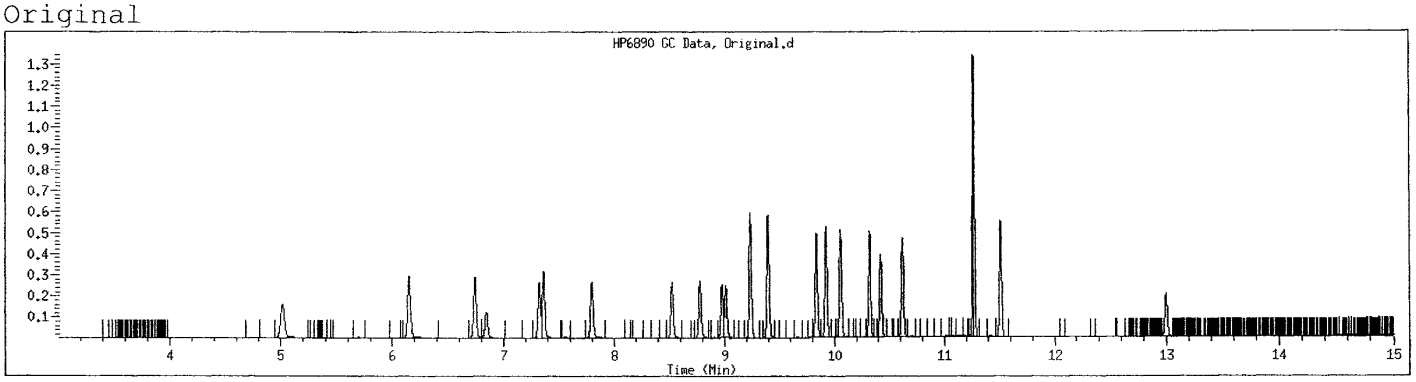

Data File: /var/chem/gcsv16a.i/20080606.b/sv16a023.d
Date : 06-JUN-2008 19:53
Client ID:
Sample Info: 1400x1 80-22-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
Y (x10^9)
Min
/var/chem/gcsv16a.i/20080606.b/sv16a023.d
-Tetrachloro-m-xylene (5.021)
-alpha-BHC (6.148)
-gamma-BHC (Lindane) (6.737)
-beta-BHC (6.840)
-Heptachlor (7.320)
-delta-BHC (7.360)
-Aldrin (7.794)
-Heptachlor epoxide (8.524)
-gamma-Chlordane (8.778)
-alpha-Chlordane (8.976)
-Endosulfan I (9.012)
-4,4'-DDE (9.234)
-Dieldrin (9.396)
-Endrin (9.837)
-4,4'-DDD (9.925)
-Endosulfan II (10.056)
-4,4'-DDT (10.321)
-Endrin aldehyde (10.425)
-Endosulfan sulfate (10.624)
Methoxychlor (11.272)
-Endrin ketone (11.515)
-Decachlorobiphenyl (12.993)

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a023.d Page: 1
Report Date: 06/09/2008 12:26

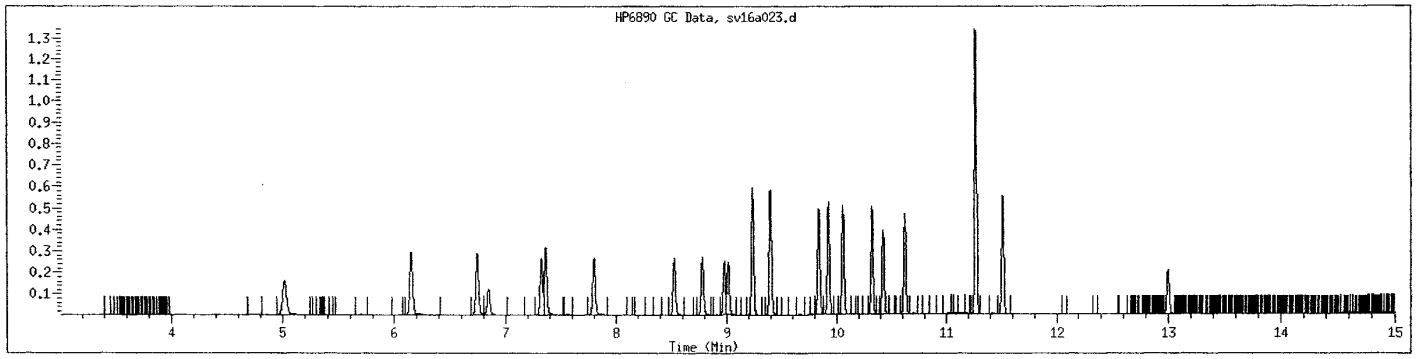
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/06/2008 19:53	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-22-8		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



171001

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

$$\frac{7119768 + 1565154}{7119768 + 1565154 + 413113567} \times 100 = 2.1\ \%$$

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

$$\frac{28545155 + 6074936}{28545155 + 6074936 + 462560905} \times 100 = 7.0\ \%$$

Endrin Breakdown: Criteria

< 15%

171002

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a025.d
Report Date: 07-Jun-2008 15:35

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a025.d
Lab Smp Id: deg
Inj Date : 07-JUN-2008 11:05
Operator : tls Inst ID: gcsv16a.i
Smp Info : deg*1 80-19-6
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 07-Jun-2008 15:35 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 25
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

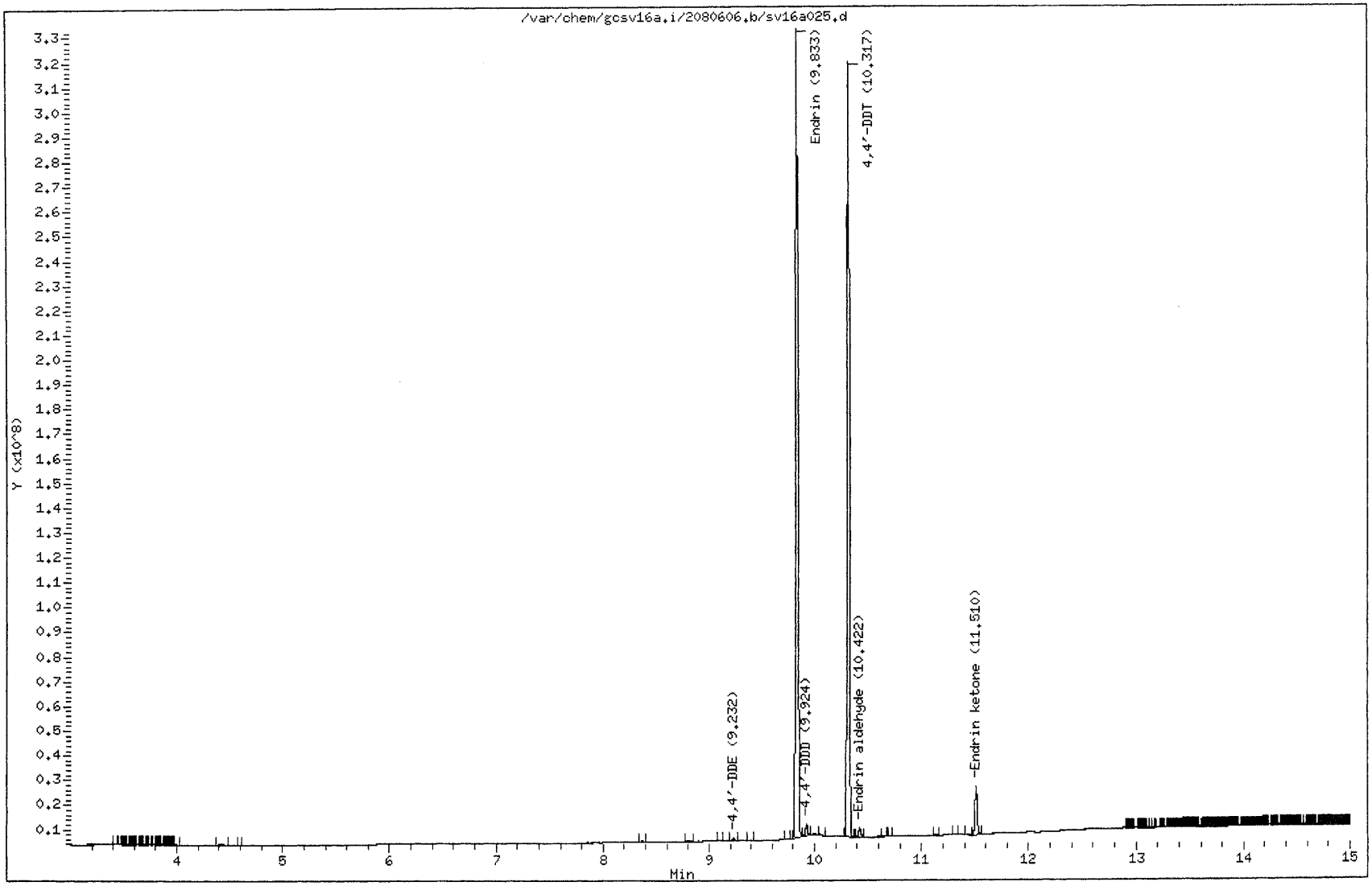
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	9.232	9.257	-0.025	1565154	0.20647	0.0021
15 4,4'-DDD	9.924	9.948	-0.024	7119768	1.12001	0.011
17 4,4'-DDT	10.317	10.346	-0.029	413113567	70.4976	0.70
18 Endrin aldehyde	10.422	10.452	-0.030	6074936	1.19018	0.012
21 Endrin ketone	11.510	11.513	-0.003	28545155	4.34797	0.043
14 Endrin	9.833	9.864	-0.031	462560905	76.3007	0.76

171003

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a025.d
Date : 07-JUN-2008 11:05
Client ID:
Sample Info: deg*1 80-19-6
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

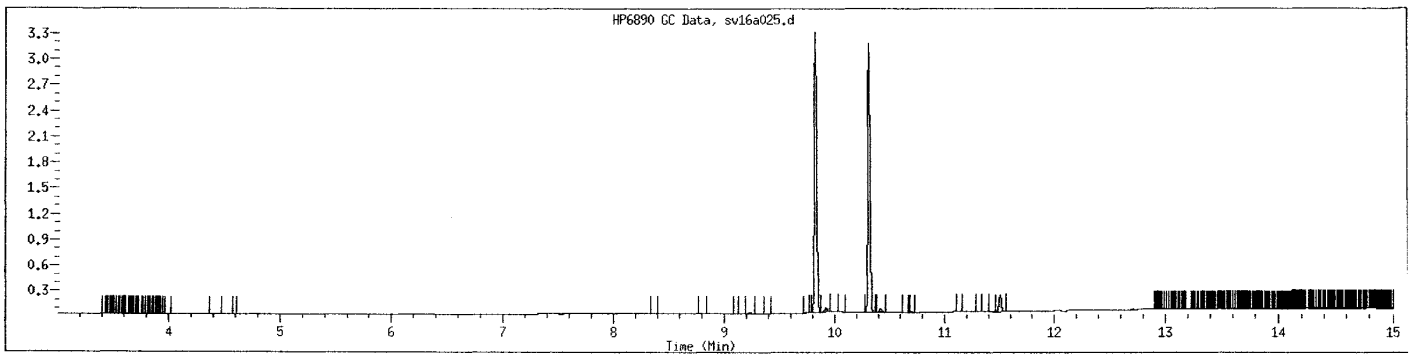
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080606.b/sv16a025.d Page: 1
Report Date: 06/07/2008 15:35

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: deg	SampleType	: SAMPLE
Injection Date	: 06/07/2008 11:05	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: deg*1 80-19-6		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: deg



NO MANUAL INTEGRATIONS

171005

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a026.d
Report Date: 09-Jun-2008 12:26

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 07-JUN-2008 11:23
Lab File ID: sv16a026.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080606.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	7832536	7412812	0.010	5.35873	20.00000	Averaged
2 alpha-BHC	10247844	9695660	0.010	5.38830	20.00000	Averaged
3 gamma-BHC (Lindane)	8834053	8591120	0.010	2.74997	20.00000	Averaged
6 beta-BHC	3780707	3700045	0.010	2.13351	20.00000	Averaged
4 Heptachlor	7794624	7538522	0.010	3.28563	20.00000	Averaged
7 delta-BHC	8706284	8590264	0.010	1.33260	20.00000	Averaged
5 Aldrin	8383738	7712885	0.010	8.00183	20.00000	Averaged
8 Heptachlor epoxide	7398469	7011043	0.010	5.23658	20.00000	Averaged
10 gamma-Chlordane	7594496	7030918	0.010	7.42087	20.00000	Averaged
11 alpha-Chlordane	6848684	6424018	0.010	6.20070	20.00000	Averaged
9 Endosulfan I	6761473	6515441	0.010	3.63873	20.00000	Averaged
12 4,4'-DDE	7580410	6997173	0.010	7.69401	20.00000	Averaged
13 Dieldrin	7856269	7344050	0.010	6.51988	20.00000	Averaged
14 Endrin	6062340	6219037	0.010	-2.58476	20.00000	Averaged
15 4,4'-DDD	6356864	5986311	0.010	5.82918	20.00000	Averaged
16 Endosulfan II	6599819	6196391	0.010	6.11271	20.00000	Averaged
17 4,4'-DDT	5859967	5835024	0.010	0.42565	20.00000	Averaged
18 Endrin aldehyde	5104232	4666067	0.010	8.58436	20.00000	Averaged
20 Endosulfan sulfate	5784986	5604824	0.010	3.11431	20.00000	Averaged
19 Methoxychlor	2969487	2998081	0.010	-0.96294	20.00000	Averaged
21 Endrin ketone	6565166	6487745	0.010	1.17927	20.00000	Averaged
$ 22 Decachlorobiphenyl	5797031	5253304	0.010	9.37940	20.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.68791
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

171006

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a026.d
Report Date: 09-Jun-2008 12:26

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a026.d
Lab Smp Id: 1400
Inj Date : 07-JUN-2008 11:23
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:26 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 26 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	5.017	5.017	0.000	444768691	60.0000	57
2	alpha-BHC	6.145	6.145	0.000	581739572	60.0000	57
3	gamma-BHC (Lindane)	6.735	6.733	0.002	515467180	60.0000	58
6	beta-BHC	6.837	6.834	0.003	222002707	60.0000	59
4	Heptachlor	7.317	7.323	-0.006	452311326	60.0000	58
7	delta-BHC	7.357	7.363	-0.006	515415811	60.0000	59
5	Aldrin	7.792	7.792	0.000	462773100	60.0000	55
8	Heptachlor epoxide	8.521	8.519	0.002	420662563	60.0000	57
10	gamma-Chlordane	8.776	8.773	0.003	421855108	60.0000	56
11	alpha-Chlordane	8.974	8.985	-0.011	385441053	60.0000	56
9	Endosulfan I	9.010	9.022	-0.012	390926465	60.0000	58
12	4,4'-DDE	9.232	9.227	0.005	839660759	120.000	110
13	Dieldrin	9.394	9.391	0.003	881285980	120.000	110

171007

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a026.d
Report Date: 09-Jun-2008 12:26

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.835	9.833	0.002	746284476	120.000	120
15	4,4'-DDD	9.922	9.921	0.001	718357332	120.000	110
16	Endosulfan II	10.054	10.051	0.003	743566895	120.000	110
17	4,4'-DDT	10.319	10.317	0.002	700202896	120.000	120
18	Endrin aldehyde	10.422	10.419	0.003	559928017	120.000	110
20	Endosulfan sulfate	10.621	10.619	0.002	672578869	120.000	120
19	Methoxychlor	11.270	11.294	-0.024	1798848897	600.000	610(M2)
21	Endrin ketone	11.511	11.513	-0.002	778529415	120.000	120
$ 22	Decachlorobiphenyl	12.991	12.991	0.000	315198256	60.0000	54

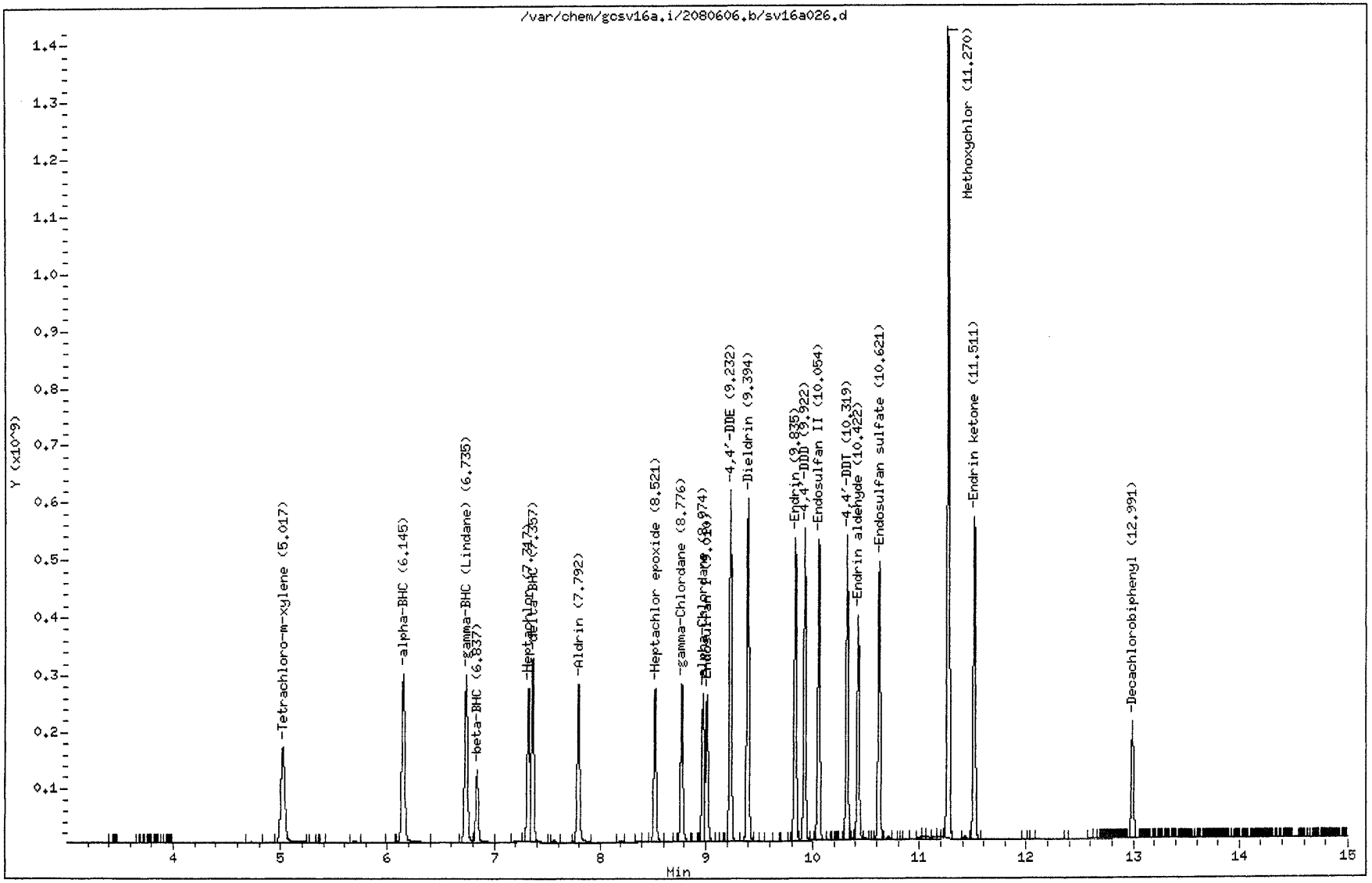
QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a026.d
Date : 07-JUN-2008 11:23
Client ID:
Sample Info: 1400x1 80-22-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

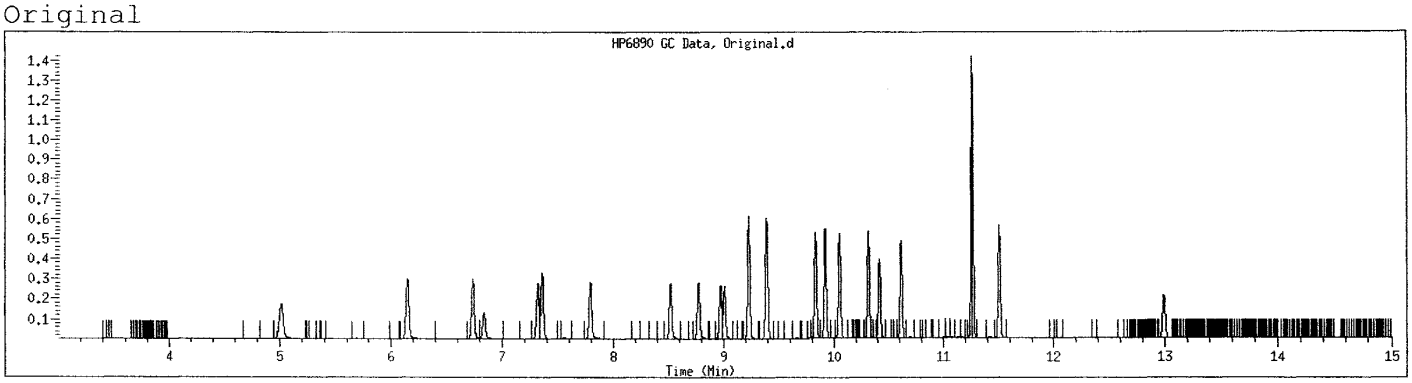


Data file : /var/chem/gcsv16a.i/2080606.b/sv16a026.d
Report Date: 06/09/2008 12:26

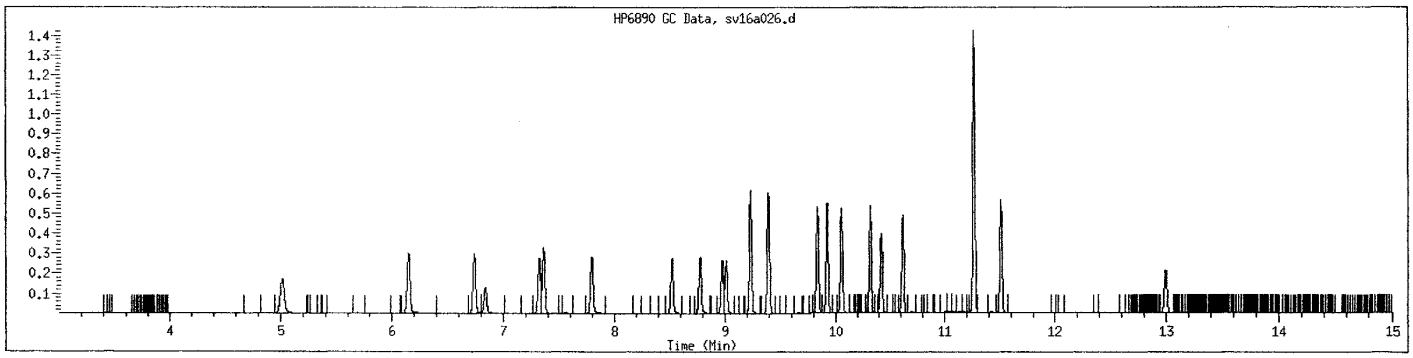
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/07/2008 11:23	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-22-8		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



171010

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a037.d
Report Date: 09-Jun-2008 12:26

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 07-JUN-2008 19:07
Lab File ID: sv16a037.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080606.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	7832536	7356201	0.010	6.08149	20.00000	Averaged
2 alpha-BHC	10247844	10038103	0.010	2.04668	20.00000	Averaged
3 gamma-BHC (Lindane)	8834053	8882844	0.010	-0.55230	20.00000	Averaged
6 beta-BHC	3780707	3786727	0.010	-0.15924	20.00000	Averaged
4 Heptachlor	7794624	7999000	0.010	-2.62201	20.00000	Averaged
7 delta-BHC	8706284	8772010	0.010	-0.75493	20.00000	Averaged
5 Aldrin	8383738	7920213	0.010	5.52886	20.00000	Averaged
8 Heptachlor epoxide	7398469	7193498	0.010	2.77045	20.00000	Averaged
10 gamma-Chlordane	7594496	7199675	0.010	5.19878	20.00000	Averaged
11 alpha-Chlordane	6848684	6554729	0.010	4.29214	20.00000	Averaged
9 Endosulfan I	6761473	6659666	0.010	1.50569	20.00000	Averaged
12 4,4'-DDE	7580410	7204360	0.010	4.96082	20.00000	Averaged
13 Dieldrin	7856269	7515892	0.010	4.33255	20.00000	Averaged
14 Endrin	6062340	6441908	0.010	-6.26108	20.00000	Averaged
15 4,4'-DDD	6356864	6158522	0.010	3.12012	20.00000	Averaged
16 Endosulfan II	6599819	6284057	0.010	4.78440	20.00000	Averaged
17 4,4'-DDT	5859967	6320090	0.010	-7.85198	20.00000	Averaged
18 Endrin aldehyde	5104232	4774177	0.010	6.46632	20.00000	Averaged
20 Endosulfan sulfate	5784986	5625180	0.010	2.76243	20.00000	Averaged
19 Methoxychlor	2969487	3280269	0.010	-10.46585	20.00000	Averaged
21 Endrin ketone	6565166	6721359	0.010	-2.37911	20.00000	Averaged
$ 22 Decachlorobiphenyl	5797031	5403542	0.010	6.78777	20.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.16750
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

171011

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a037.d
Report Date: 09-Jun-2008 12:26

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a037.d
Lab Smp Id: 1400
Inj Date : 07-JUN-2008 19:07
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:26 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 37 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	5.015	5.017	-0.002	441372041	60.0000	56
2	alpha-BHC	6.141	6.144	-0.003	602286195	60.0000	59
3	gamma-BHC (Lindane)	6.731	6.732	-0.001	532970611	60.0000	60
6	beta-BHC	6.833	6.834	-0.001	227203620	60.0000	60
4	Heptachlor	7.314	7.323	-0.009	479940011	60.0000	62
7	delta-BHC	7.354	7.363	-0.009	526320592	60.0000	60
5	Aldrin	7.788	7.791	-0.003	475212754	60.0000	57
8	Heptachlor epoxide	8.517	8.519	-0.002	431609891	60.0000	58
10	gamma-Chlordane	8.772	8.773	-0.001	431980526	60.0000	57
11	alpha-Chlordane	8.970	8.985	-0.015	393283762	60.0000	57
9	Endosulfan I	9.006	9.021	-0.015	399579972	60.0000	59
12	4,4'-DDE	9.228	9.226	0.002	864523150	120.000	110
13	Dieldrin	9.390	9.391	-0.001	901907033	120.000	110

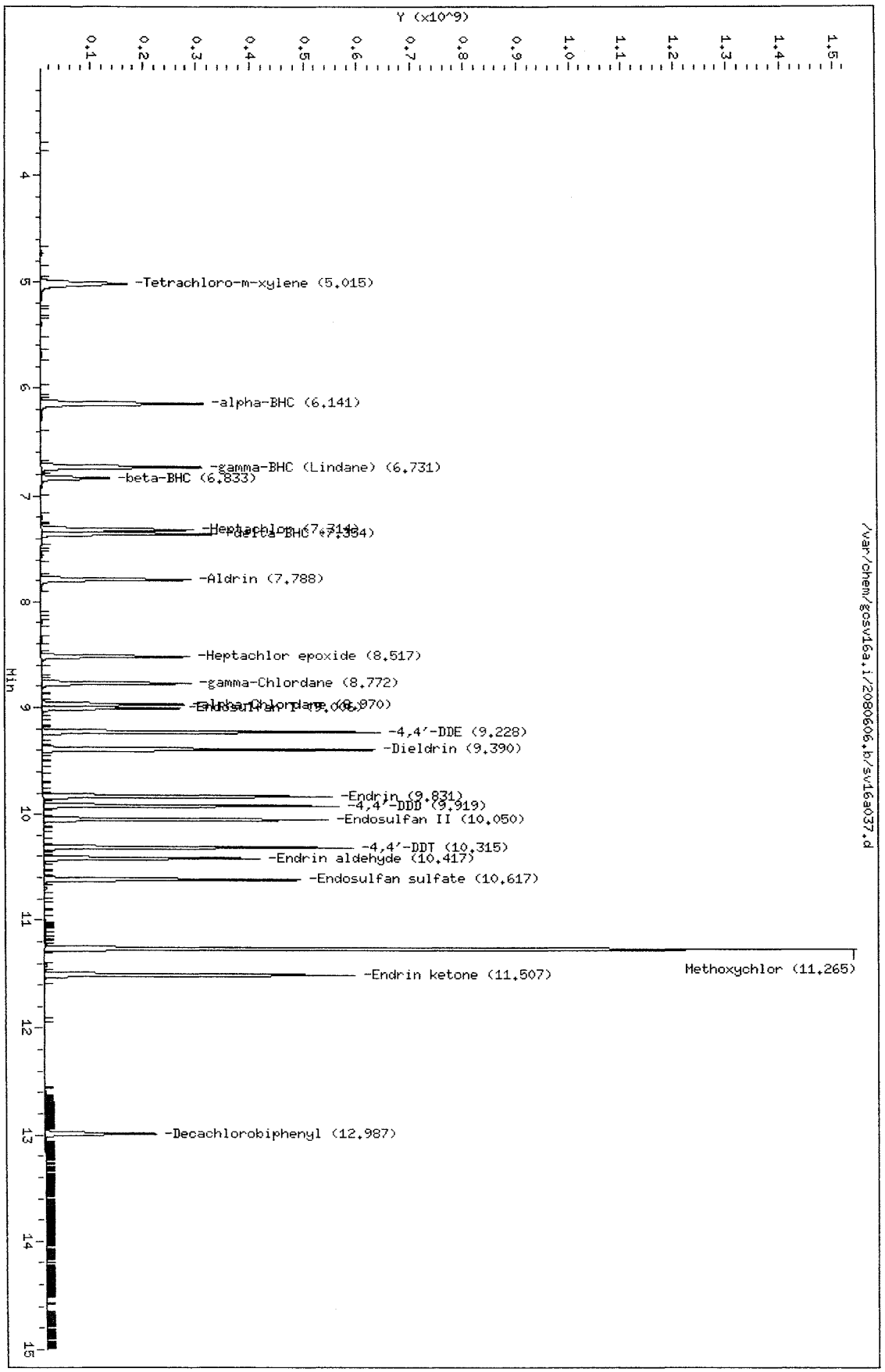
Data File: /var/chem/gcsv16a.i/2080606.b/sv16a037.d
Report Date: 09-Jun-2008 12:26

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.831	9.832	-0.001	773028953	120.000	130
15	4,4'-DDD	9.919	9.920	-0.001	739022691	120.000	120
16	Endosulfan II	10.050	10.051	-0.001	754086783	120.000	110
17	4,4'-DDT	10.315	10.316	-0.001	758410860	120.000	130
18	Endrin aldehyde	10.417	10.419	-0.002	572901187	120.000	110
20	Endosulfan sulfate	10.617	10.618	-0.001	675021601	120.000	120
19	Methoxychlor	11.265	11.293	-0.028	1968161609	600.000	660(M2)
21	Endrin ketone	11.507	11.512	-0.005	806563048	120.000	120
$ 22	Decachlorobiphenyl	12.987	12.990	-0.003	324212506	60.0000	56

QC Flag Legend

M2- Compound response manually integrated because Target system integrated incorrectly.

171013


Data File: /var/chem/gcsv16a.i/20080606.b/sv16a037.d
Date : 07-JUN-2008 19:07
Client ID:
Sample Info: 1400x1 80-22-8
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/20080606.b/sv16a037.d
-Tetrachloro-m-xylene (5.015)
-alpha-BHC (6.141)
-gamma-BHC (Lindane) (6.731)
-beta-BHC (6.833)
-Heptachlor (7.314)
-delta-BHC (7.384)
-Aldrin (7.788)
-Heptachlor epoxide (8.517)
-gamma-Chlordane (8.772)
-alpha-Chlordane (8.970)
-Endosulfan I (9.006)
-4,4'-DDE (9.228)
-Dieldrin (9.390)
-Endrin (9.831)
-4,4'-DDD (9.919)
-Endosulfan II (10.050)
-4,4'-DDT (10.315)
-Endrin aldehyde (10.417)
-Endosulfan sulfate (10.617)
Methoxychlor (11.265)
-Endrin ketone (11.507)
-Decachlorobiphenyl (12.987)

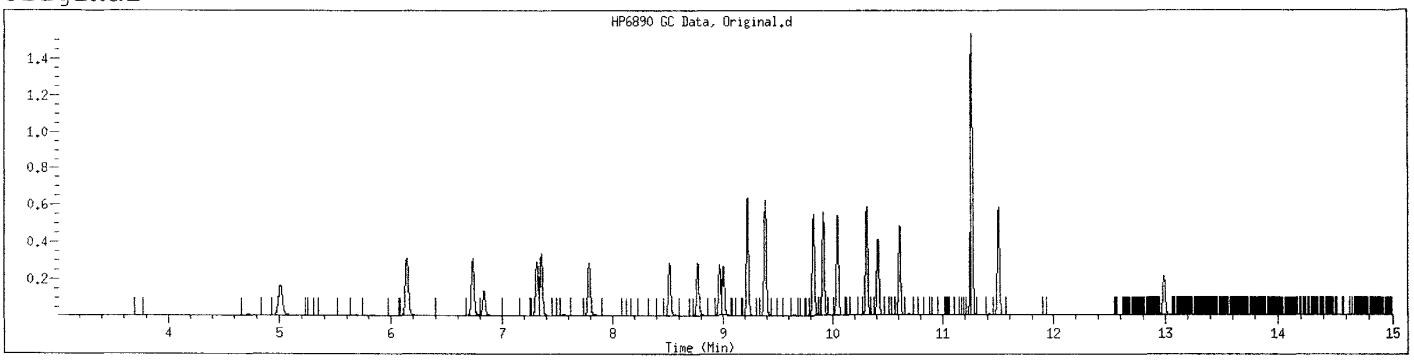
171014

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a037.d Page: 1
Report Date: 06/09/2008 12:26

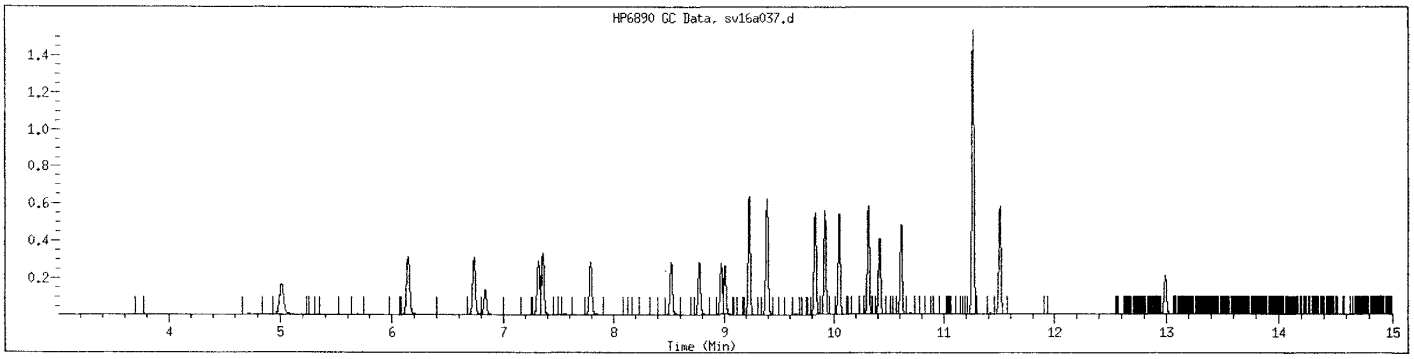
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/07/2008 19:07	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-22-8		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



171015

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:

$$\frac{9182580 + 2956676}{9182580 + 2956676 + 448541227} \times 100 = 2.6\ \%$$

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:

$$\frac{33005669 + 9227049}{33005669 + 9227049 + 490374617} \times 100 = 7.9\ \%$$

Endrin Breakdown Criteria: < 15%

171016

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a002.d
Report Date: 10-Jun-2008 10:44

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a002.d
Lab Smp Id: deg
Inj Date : 08-JUN-2008 12:44
Operator : tls Inst ID: gcsv16a.i
Smp Info : deg*1 80-19-6
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Meth Date : 09-Jun-2008 12:28 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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)

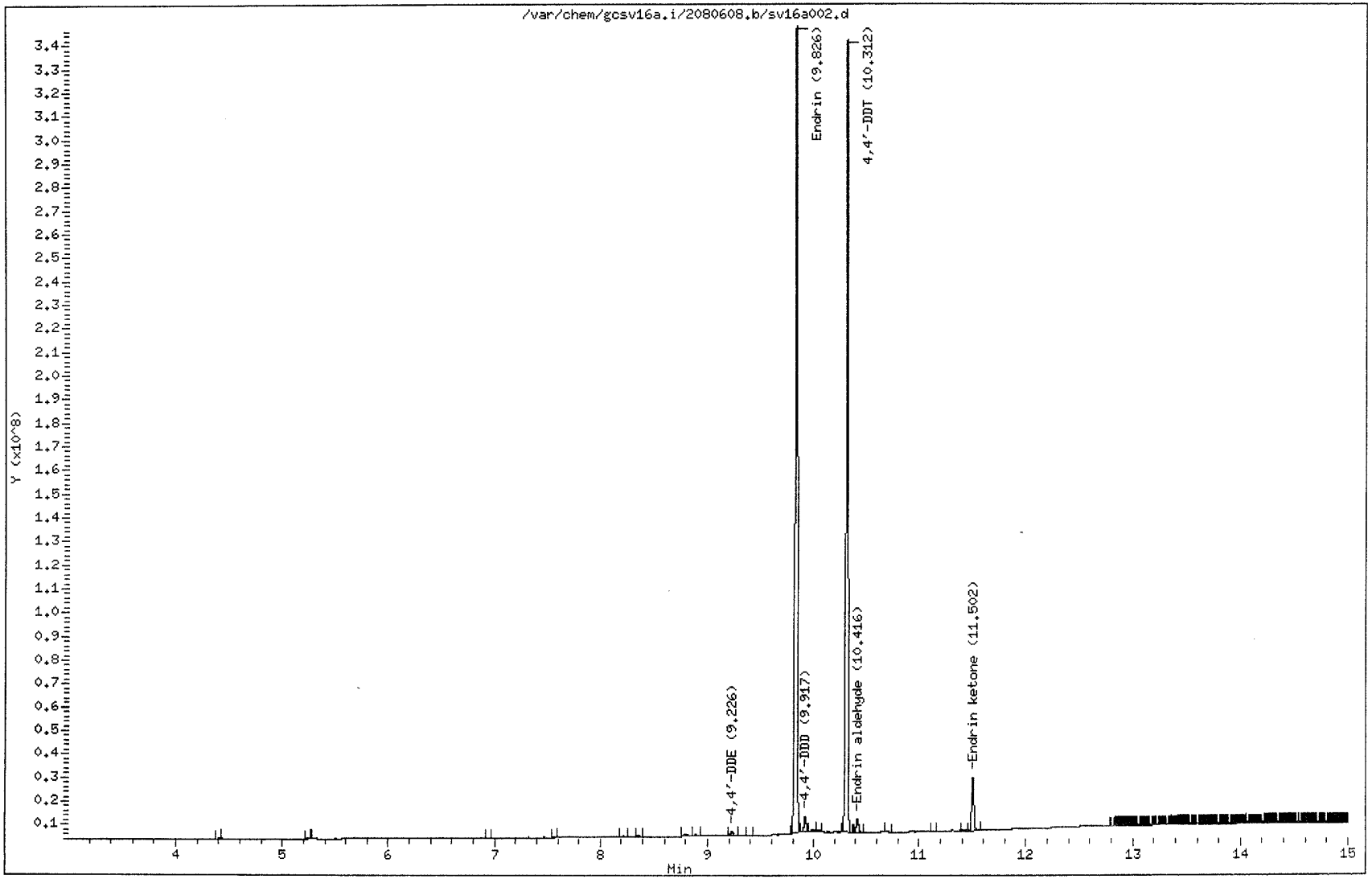
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	9.226	9.225	0.001	2956676	0.39004	0.0039
15 4,4'-DDD	9.917	9.920	-0.003	9182580	1.44451	0.014
17 4,4'-DDT	10.312	10.315	-0.003	448541227	76.5433	0.77
18 Endrin aldehyde	10.416	10.418	-0.002	9227049	1.80773	0.018
21 Endrin ketone	11.502	11.511	-0.009	33005669	5.02739	0.050
14 Endrin	9.826	9.831	-0.005	490374617	80.8887	0.81

171017

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a002.d
Date : 08-JUN-2008 12:44
Client ID:
Sample Info: deg*1 80-19-6
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

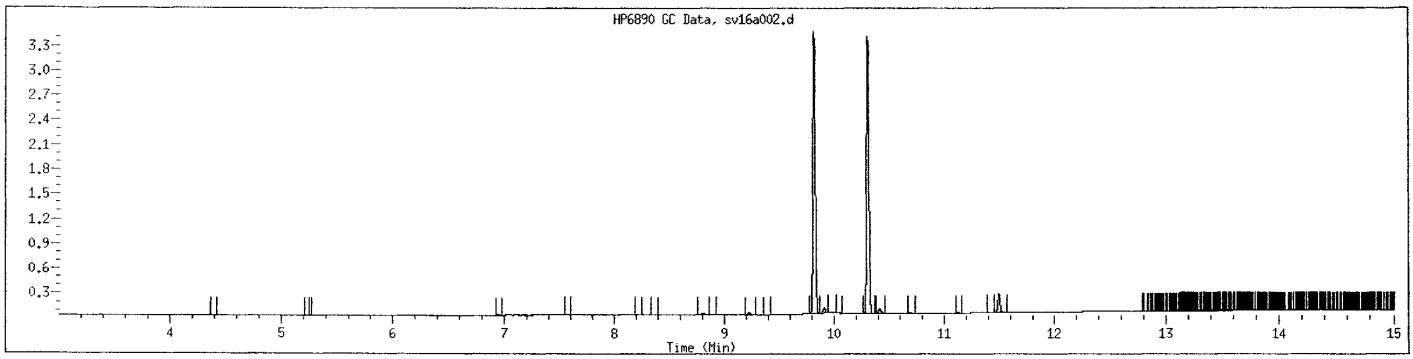
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Report Date: 06/10/2008 10:44

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: deg	SampleType	: SAMPLE
Injection Date	: 06/08/2008 12:44	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: deg*1 80-19-6		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080608.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: deg



NO MANUAL INTEGRATIONS

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a003.d
Report Date: 11-Jun-2008 16:03

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 08-JUN-2008 13:03
Lab File ID: sv16a003.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080608.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	7832536	7877035	0.010	-0.56813	20.00000	Averaged
2 alpha-BHC	10247844	10271422	0.010	-0.23007	20.00000	Averaged
3 gamma-BHC (Lindane)	8834053	9064126	0.010	-2.60439	20.00000	Averaged
6 beta-BHC	3780707	3955867	0.010	-4.63301	20.00000	Averaged
4 Heptachlor	7794624	8024163	0.010	-2.94483	20.00000	Averaged
7 delta-BHC	8706284	8844833	0.010	-1.59137	20.00000	Averaged
5 Aldrin	8383738	8135822	0.010	2.95710	20.00000	Averaged
8 Heptachlor epoxide	7398469	7393082	0.010	0.07281	20.00000	Averaged
10 gamma-Chlordane	7594496	7414115	0.010	2.37517	20.00000	Averaged
11 alpha-Chlordane	6848684	6725488	0.010	1.79882	20.00000	Averaged
9 Endosulfan I	6761473	6837861	0.010	-1.12975	20.00000	Averaged
12 4,4'-DDE	7580410	7336632	0.010	3.21590	20.00000	Averaged
13 Dieldrin	7856269	7695349	0.010	2.04830	20.00000	Averaged
14 Endrin	6062340	6408574	0.010	-5.71123	20.00000	Averaged
15 4,4'-DDD	6356864	6267754	0.010	1.40180	20.00000	Averaged
16 Endosulfan II	6599819	6483245	0.010	1.76632	20.00000	Averaged
17 4,4'-DDT	5859967	6109742	0.010	-4.26239	20.00000	Averaged
18 Endrin aldehyde	5104232	4878469	0.010	4.42307	20.00000	Averaged
20 Endosulfan sulfate	5784986	5605848	0.010	3.09661	20.00000	Averaged
19 Methoxychlor	2969487	3161897	0.010	-6.47958	20.00000	Averaged
21 Endrin ketone	6565166	6720589	0.010	-2.36738	20.00000	Averaged
$ 22 Decachlorobiphenyl	5797031	5440038	0.010	6.15820	20.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 2.81074
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

171020

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a003.d
Report Date: 11-Jun-2008 16:03

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a003.d
Lab Smp Id: 1400
Inj Date : 08-JUN-2008 13:03
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Meth Date : 11-Jun-2008 16:03 tls Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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	5.010	5.016	-0.006	472622074	60.0000	60
2	alpha-BHC	6.138	6.144	-0.006	616285291	60.0000	60
3	gamma-BHC (Lindane)	6.728	6.732	-0.004	543847583	60.0000	62
6	beta-BHC	6.830	6.833	-0.003	237352041	60.0000	63
4	Heptachlor	7.312	7.322	-0.010	481449761	60.0000	62
7	delta-BHC	7.351	7.362	-0.011	530689956	60.0000	61
5	Aldrin	7.785	7.791	-0.006	488149308	60.0000	58
8	Heptachlor epoxide	8.514	8.518	-0.004	443584939	60.0000	60
10	gamma-Chlordane	8.768	8.772	-0.004	444846875	60.0000	59
11	alpha-Chlordane	8.967	8.967	0.000	403529306	60.0000	59
9	Endosulfan I	9.003	9.003	0.000	410271638	60.0000	61
12	4,4'-DDE	9.225	9.226	-0.001	880395833	120.000	120
13	Dieldrin	9.388	9.390	-0.002	923441862	120.000	120

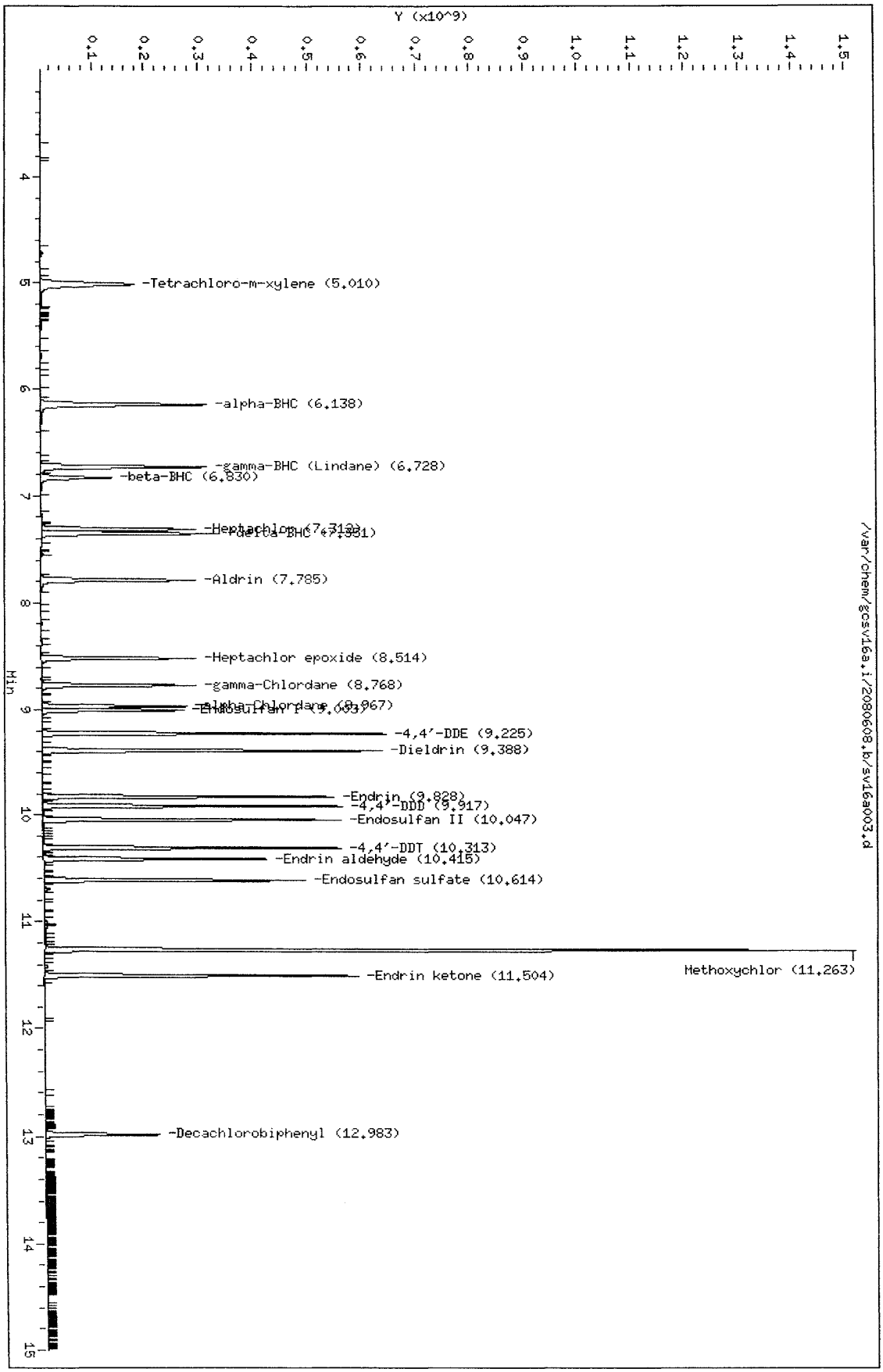
171021

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a003.d
Report Date: 11-Jun-2008 16:03

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.828	9.832	-0.004	769028906	120.000	130
	15 4,4'-DDD	9.917	9.920	-0.003	752130484	120.000	120
	16 Endosulfan II	10.047	10.050	-0.003	777989381	120.000	120
	17 4,4'-DDT	10.313	10.316	-0.003	733169047	120.000	130
	18 Endrin aldehyde	10.415	10.418	-0.003	585416226	120.000	110
	20 Endosulfan sulfate	10.614	10.618	-0.004	672701718	120.000	120
	19 Methoxychlor	11.263	11.263	0.000	1897138464	600.000	640 (M2)
	21 Endrin ketone	11.504	11.512	-0.008	806470640	120.000	120
$	22 Decachlorobiphenyl	12.983	12.990	-0.007	326402285	60.0000	56

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.


Data File: /var/chem/gcsv16a.i/20080608.b/sv16a003.d
Date : 08-JUN-2008 13:03
Client ID:
Sample Info: 1400x1 80-22-8
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/20080608.b/sv16a003.d
-Tetrachloro-m-xylene (5.010)
-alpha-BHC (6.138)
-gamma-BHC (Lindane) (6.728)
-beta-BHC (6.830)
-Heptachlor (7.312)
-delta-BHC (7.381)
-Aldrin (7.785)
-Heptachlor epoxide (8.514)
-gamma-Chlordane (8.768)
-alpha-Chlordane (8.967)
-Endosulfan I (9.003)
-4,4'-DDE (9.225)
-Dieldrin (9.388)
-Endrin (9.828)
-4,4'-DDD (9.917)
-Endosulfan II (10.047)
-4,4'-DDT (10.313)
-Endrin aldehyde (10.415)
-Endosulfan sulfate (10.614)
Methoxychlor (11.263)
-Endrin ketone (11.504)
-Decachlorobiphenyl (12.983)

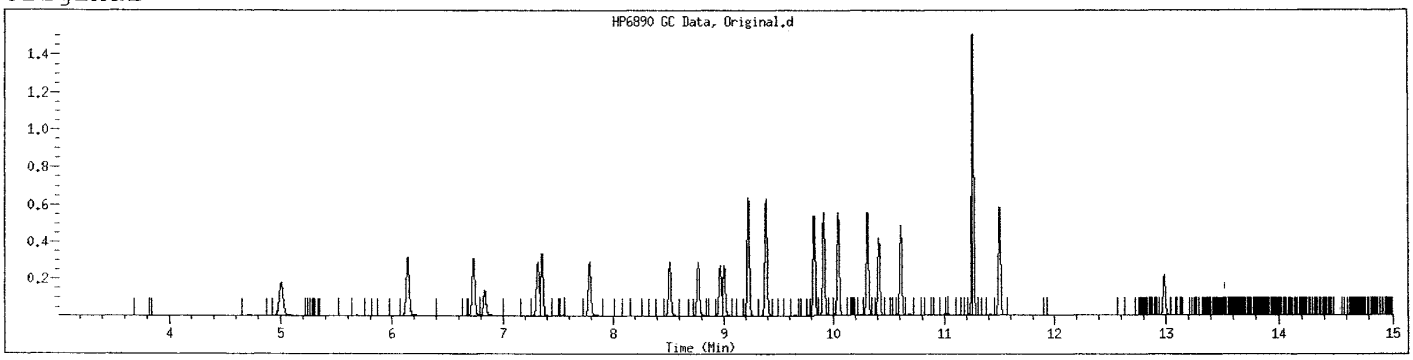
171023

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a003.d Page: 1
Report Date: 06/11/2008 16:03

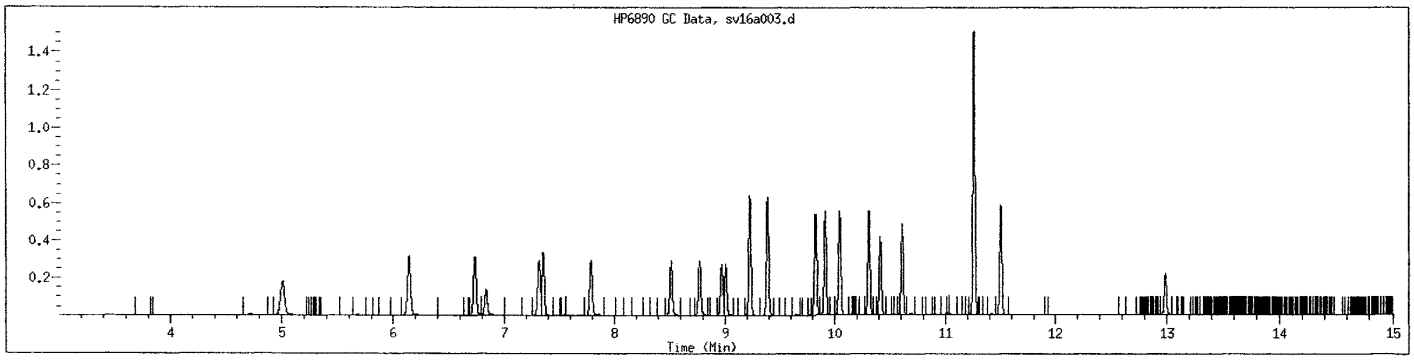
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1400 SampleType : CCALIB_3
Injection Date: 06/08/2008 13:03 Instrument : gcsv16a.i
Operator : tls
Sample Info : 1400*1 80-22-8
Misc Info :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: 8081

Original



Final



171024

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a018.d
Report Date: 11-Jun-2008 16:03

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 08-JUN-2008 20:50
Lab File ID: sv16a018.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080608.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	MIN %D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	7832536	7796761	0.010	0.45674	20.00000	Averaged
2 alpha-BHC	10247844	10062347	0.010	1.81010	20.00000	Averaged
3 gamma-BHC (Lindane)	8834053	8858938	0.010	-0.28169	20.00000	Averaged
6 beta-BHC	3780707	3865672	0.010	-2.24734	20.00000	Averaged
4 Heptachlor	7794624	7655070	0.010	1.79039	20.00000	Averaged
7 delta-BHC	8706284	8728920	0.010	-0.26000	20.00000	Averaged
5 Aldrin	8383738	7907625	0.010	5.67900	20.00000	Averaged
8 Heptachlor epoxide	7398469	7188790	0.010	2.83409	20.00000	Averaged
10 gamma-Chlordane	7594496	7205616	0.010	5.12056	20.00000	Averaged
11 alpha-Chlordane	6848684	6463572	0.010	5.62315	20.00000	Averaged
9 Endosulfan I	6761473	6719854	0.010	0.61554	20.00000	Averaged
12 4,4'-DDE	7580410	7040258	0.010	7.12563	20.00000	Averaged
13 Dieldrin	7856269	7469278	0.010	4.92588	20.00000	Averaged
14 Endrin	6062340	6031407	0.010	0.51025	20.00000	Averaged
15 4,4'-DDD	6356864	6101485	0.010	4.01737	20.00000	Averaged
16 Endosulfan II	6599819	6321514	0.010	4.21686	20.00000	Averaged
17 4,4'-DDT	5859967	5665740	0.010	3.31448	20.00000	Averaged
18 Endrin aldehyde	5104232	4766828	0.010	6.61028	20.00000	Averaged
20 Endosulfan sulfate	5784986	5570647	0.010	3.70510	20.00000	Averaged
19 Methoxychlor	2969487	2857382	0.010	3.77525	20.00000	Averaged
21 Endrin ketone	6565166	6562239	0.010	0.04459	20.00000	Averaged
$ 22 Decachlorobiphenyl	5797031	5253211	0.010	9.38100	20.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 3.37933
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

171025

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a018.d
Report Date: 11-Jun-2008 16:03

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a018.d
Lab Smp Id: 1400
Inj Date : 08-JUN-2008 20:50
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Meth Date : 11-Jun-2008 16:03 tls Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 18 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	5.009	5.016	-0.007	467805680	60.0000	60
2	alpha-BHC	6.137	6.144	-0.007	603740839	60.0000	59
3	gamma-BHC (Lindane)	6.726	6.731	-0.005	531536278	60.0000	60
6	beta-BHC	6.828	6.833	-0.005	231940336	60.0000	61
4	Heptachlor	7.310	7.322	-0.012	459304208	60.0000	59
7	delta-BHC	7.349	7.362	-0.013	523735204	60.0000	60
5	Aldrin	7.784	7.790	-0.006	474457515	60.0000	57
8	Heptachlor epoxide	8.513	8.518	-0.005	431327407	60.0000	58
10	gamma-Chlordane	8.767	8.772	-0.005	432336965	60.0000	57
11	alpha-Chlordane	8.966	8.967	-0.001	387814326	60.0000	57
9	Endosulfan I	9.002	9.002	0.000	403191219	60.0000	60
12	4,4'-DDE	9.224	9.226	-0.002	844830960	120.000	110
13	Dieldrin	9.386	9.390	-0.004	896313400	120.000	110

171026

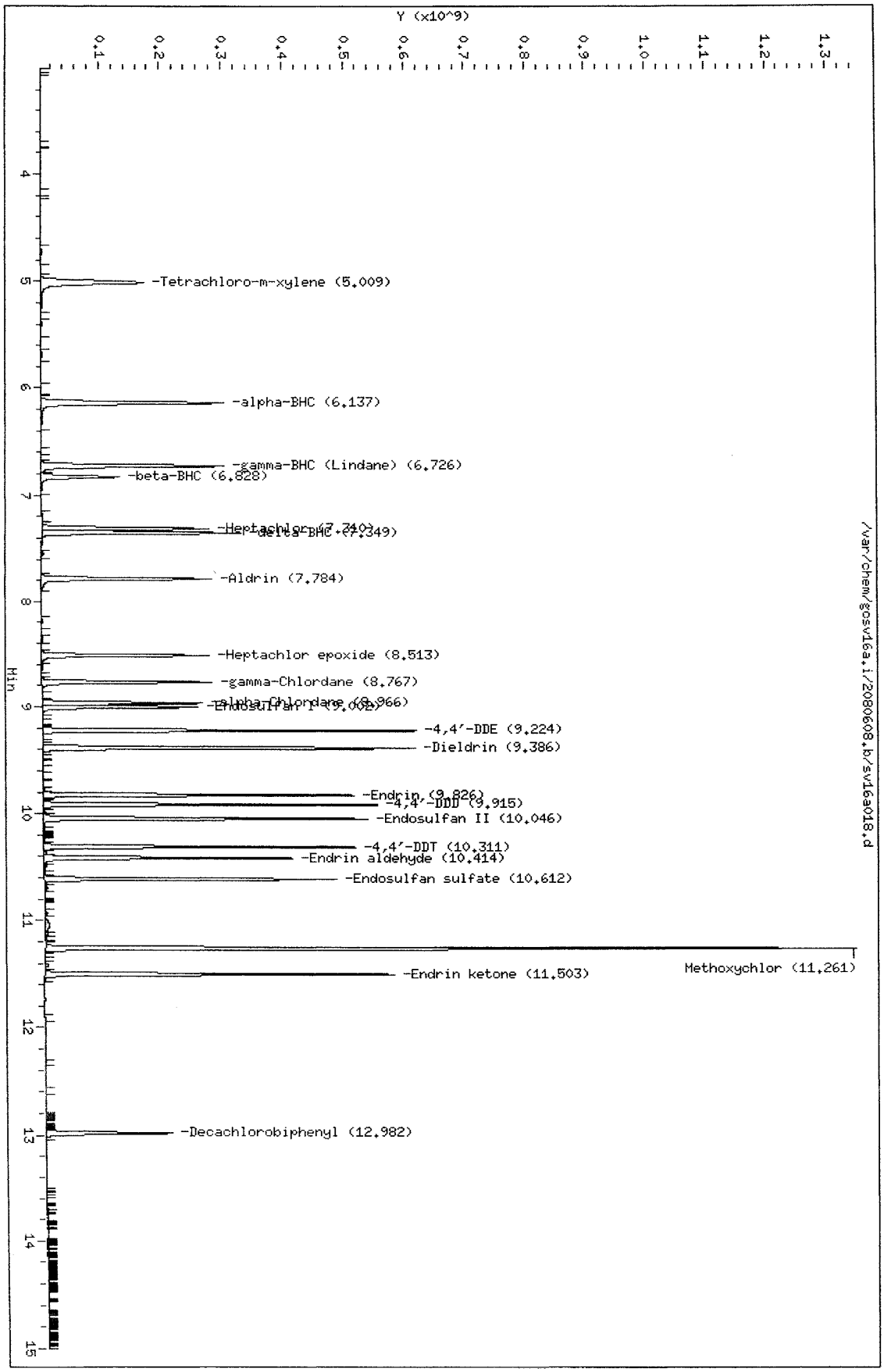
Data File: /var/chem/gcsv16a.i/2080608.b/sv16a018.d
Report Date: 11-Jun-2008 16:03

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.826	9.831	-0.005	723768868	120.000	120
15	4,4'-DDD	9.915	9.920	-0.005	732178246	120.000	120
16	Endosulfan II	10.046	10.050	-0.004	758581621	120.000	110
17	4,4'-DDT	10.311	10.316	-0.005	679888763	120.000	120
18	Endrin aldehyde	10.414	10.418	-0.004	572019380	120.000	110
20	Endosulfan sulfate	10.612	10.617	-0.005	668477613	120.000	120
19	Methoxychlor	11.261	11.262	-0.001	1714428979	600.000	580 (M2)
21	Endrin ketone	11.503	11.512	-0.009	787468696	120.000	120
$ 22	Decachlorobiphenyl	12.982	12.989	-0.007	315192664	60.0000	54

QC Flag Legend

M2- Compound response manually integrated because Target system integrated incorrectly.

171027


Data File: /var/chem/gcsv16a.i/20080608.b/sv16a018.d
Date : 08-JUN-2008 20:50
Client ID:
Sample Info: 1400x1 80-22-8
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/20080608.b/sv16a018.d
-Tetrachloro-m-xylene (5.009)
-alpha-BHC (6.137)
-gamma-BHC (Lindane) (6.726)
-beta-BHC (6.828)
-Heptachlor (7.210)
-delta-BHC (7.349)
-Aldrin (7.784)
-Heptachlor epoxide (8.513)
-gamma-Chlordane (8.767)
-alpha-Chlordane (8.966)
-Endosulfan I (9.002)
-4,4'-DDE (9.224)
-Dieldrin (9.386)
-Endrin (9.826)
-4,4'-DDD (9.915)
-Endosulfan II (10.046)
-4,4'-DDT (10.311)
-Endrin aldehyde (10.414)
-Endosulfan sulfate (10.612)
Methoxychlor (11.261)
-Endrin ketone (11.503)
-Decachlorobiphenyl (12.982)

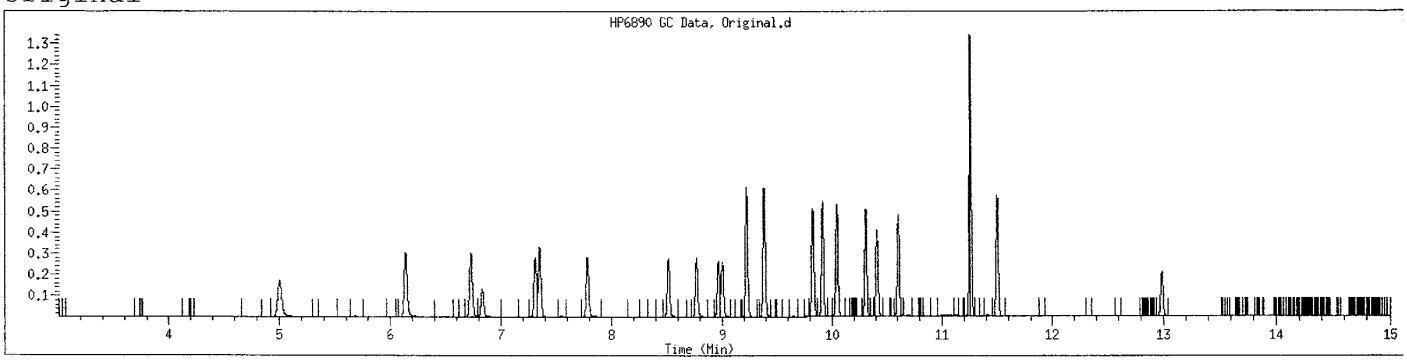
171028

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a018.d Page: 1
Report Date: 06/11/2008 16:03

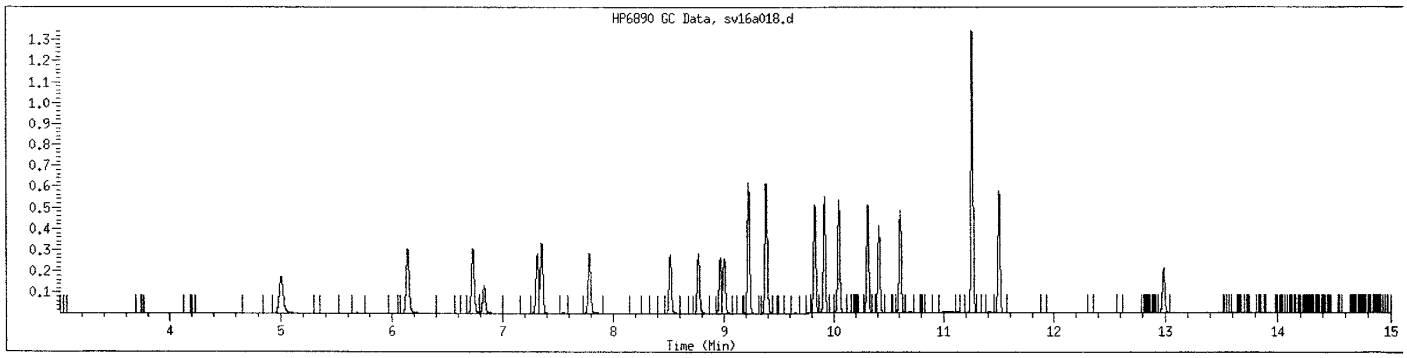
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/08/2008 20:50	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-22-8		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080608.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



171029

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:

$$\frac{6457840 + 2897831}{6457840 + 2897831 + 481997031} \times 100 = 1.9\ \%$$

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:

$$\frac{30939249 + 7887484}{30939249 + 7887484 + 500897016} \times 100 = 7.2\ \%$$

Endrin Breakdown Criteria: < 15%

171030

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a002.d
Report Date: 10-Jun-2008 13:16

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080609.b/sv16a002.d
Lab Smp Id: deg
Inj Date : 09-JUN-2008 10:46
Operator : tls Inst ID: gcsv16a.i
Smp Info : deg*1 80-19-6
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080609.b/pest35MS.m
Meth Date : 09-Jun-2008 16:51 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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)

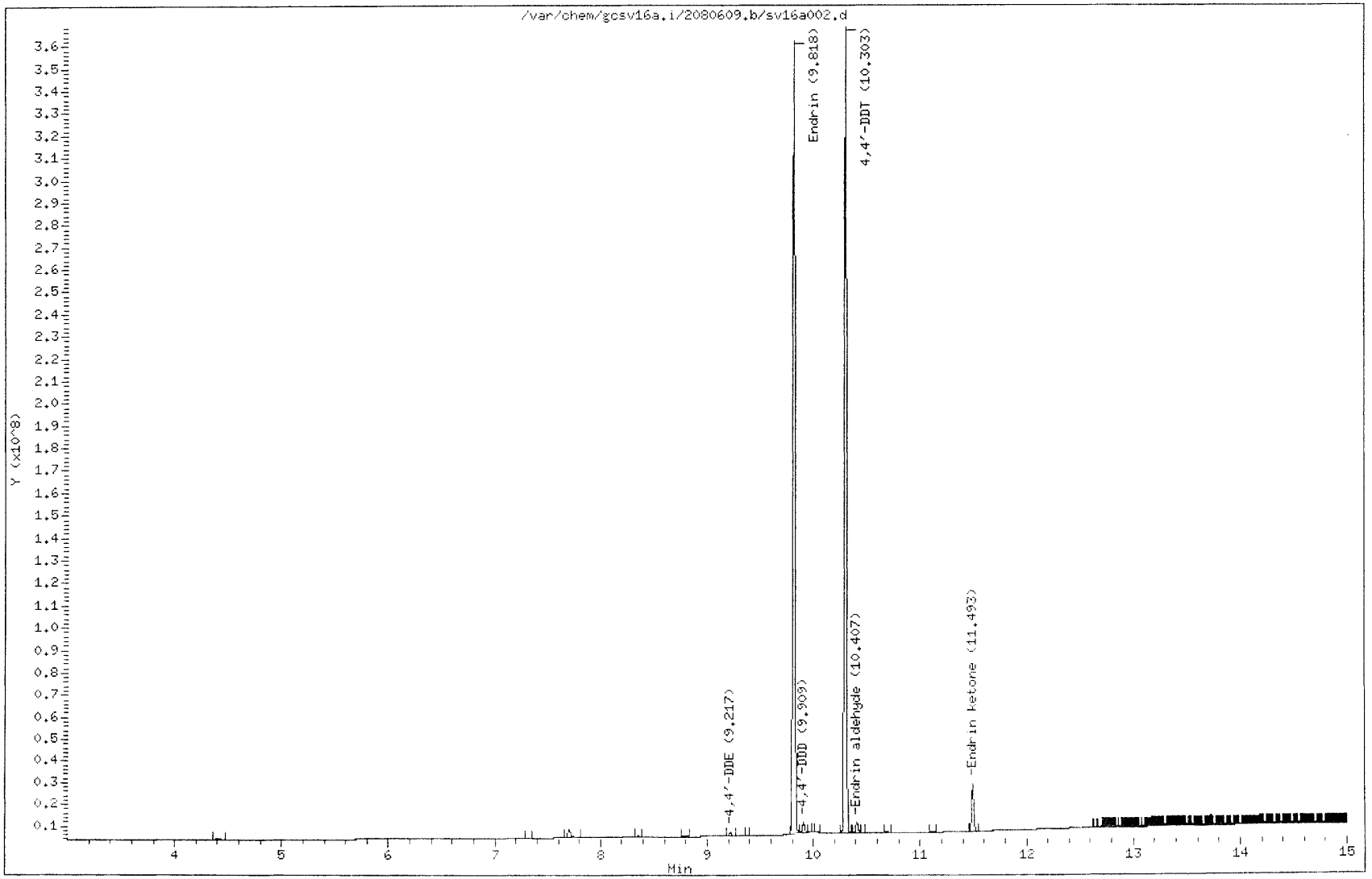
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
12 4,4' DDE	9.217	9.225	-0.008	2897831	0.38228	0.0038
15 4,4'-DDD	9.909	9.919	-0.010	6457840	1.01588	0.010
17 4,4'-DDT	10.303	10.315	-0.012	481997031	82.2525	0.82
16 Endrin aldehyde	10.407	10.417	-0.010	7887484	1.54528	0.015
21 Endrin ketone	11.493	11.511	0.018	30939249	4.71264	0.047
14 Endrin	9.818	9.830	-0.012	500897016	82.6244	0.83

171031

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a002.d
Date : 09-JUN-2008 10:46
Client ID:
Sample Info: deg*1 80-19-6
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

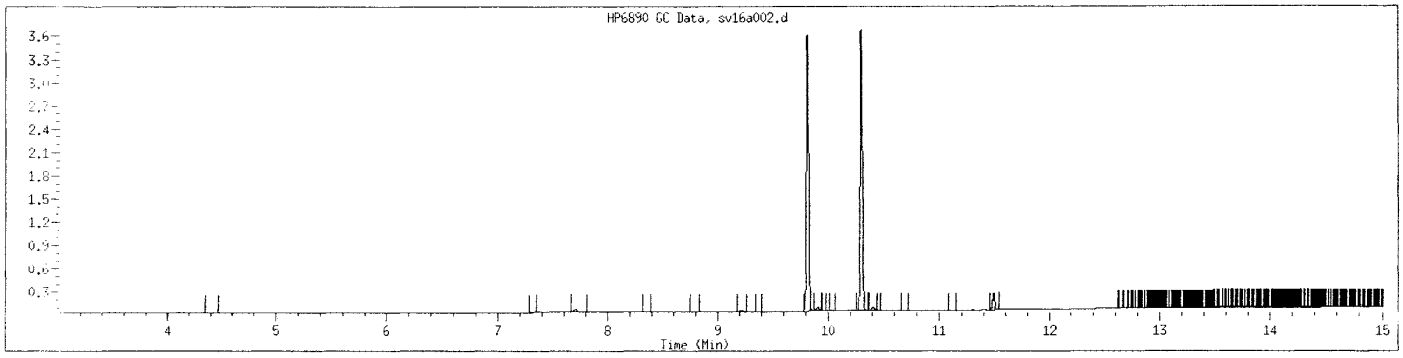
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080609.b/sv16a002.d Page: 1
Report Date: 06/10/2008 13:16

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : deg SampleType : SAMPLE
Injection Date: 06/09/2008 10:46 Instrument : gcsv16a.i
Operator : tls
Sample Info : deg*1 80-19-6
Misc Info :
Method : /var/chem/gcsv16a.i/2080609.b/pest35MS.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: deg



NO MANUAL INTEGRATIONS

171033

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a003.d
Report Date: 10-Jun-2008 13:28

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 09-JUN-2008 11:04
Lab File ID: sv16a003.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080609.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	7832536	8186770	0.010	-4.52260	20.00000	Averaged
2 alpha-BHC	10247844	10612331	0.010	-3.55672	20.00000	Averaged
3 gamma-BHC (Lindane)	8834053	9384872	0.010	-6.23518	20.00000	Averaged
6 beta-BHC	3780707	4048076	0.010	-7.07195	20.00000	Averaged
4 Heptachlor	7794624	8487494	0.010	-8.88907	20.00000	Averaged
7 delta-BHC	8706284	9120923	0.010	-4.76254	20.00000	Averaged
5 Aldrin	8383738	8398705	0.010	-0.17853	20.00000	Averaged
8 Heptachlor epoxide	7398469	7702999	0.010	-4.11612	20.00000	Averaged
10 gamma-Chlordane	7594496	7691223	0.010	-1.27364	20.00000	Averaged
11 alpha-Chlordane	6848684	7081322	0.010	-3.39682	20.00000	Averaged
9 Endosulfan I	6761473	7192243	0.010	-6.37096	20.00000	Averaged
12 4,4' DDE	7580410	7632163	0.010	-0.68272	20.00000	Averaged
13 Dieldrin	7856269	8019555	0.010	-2.07841	20.00000	Averaged
14 Endrin	6062340	6792213	0.010	-12.03946	20.00000	Averaged
15 4,4' DDD	6356864	6481877	0.010	-1.96657	20.00000	Averaged
16 Endosulfan II	6599819	6699363	0.010	-1.50830	20.00000	Averaged
17 4,4'-DDT	5859967	6931223	0.010	-18.28092	20.00000	Averaged
18 Endrin aldehyde	5104232	5097427	0.010	0.13333	20.00000	Averaged
20 Endosulfan sulfate	5784986	5635086	0.010	2.59119	20.00000	Averaged
19 Methoxychlor	2969487	2780971	0.010	6.34846	20.00000	Averaged
21 Endrin ketone	6565166	7048214	0.010	-7.35773	20.00000	Averaged
$ 22 Decachlorobiphenyl	5797031	5826228	0.010	0.50366	20.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.72113
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a003.d
Report Date: 10-Jun-2008 13:28

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080609.b/sv16a003.d
Lab Smp Id: 1400
Inj Date : 09-JUN-2008 11:04
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080609.b/pest35MS.m
Meth Date : 10-Jun-2008 13:28 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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)

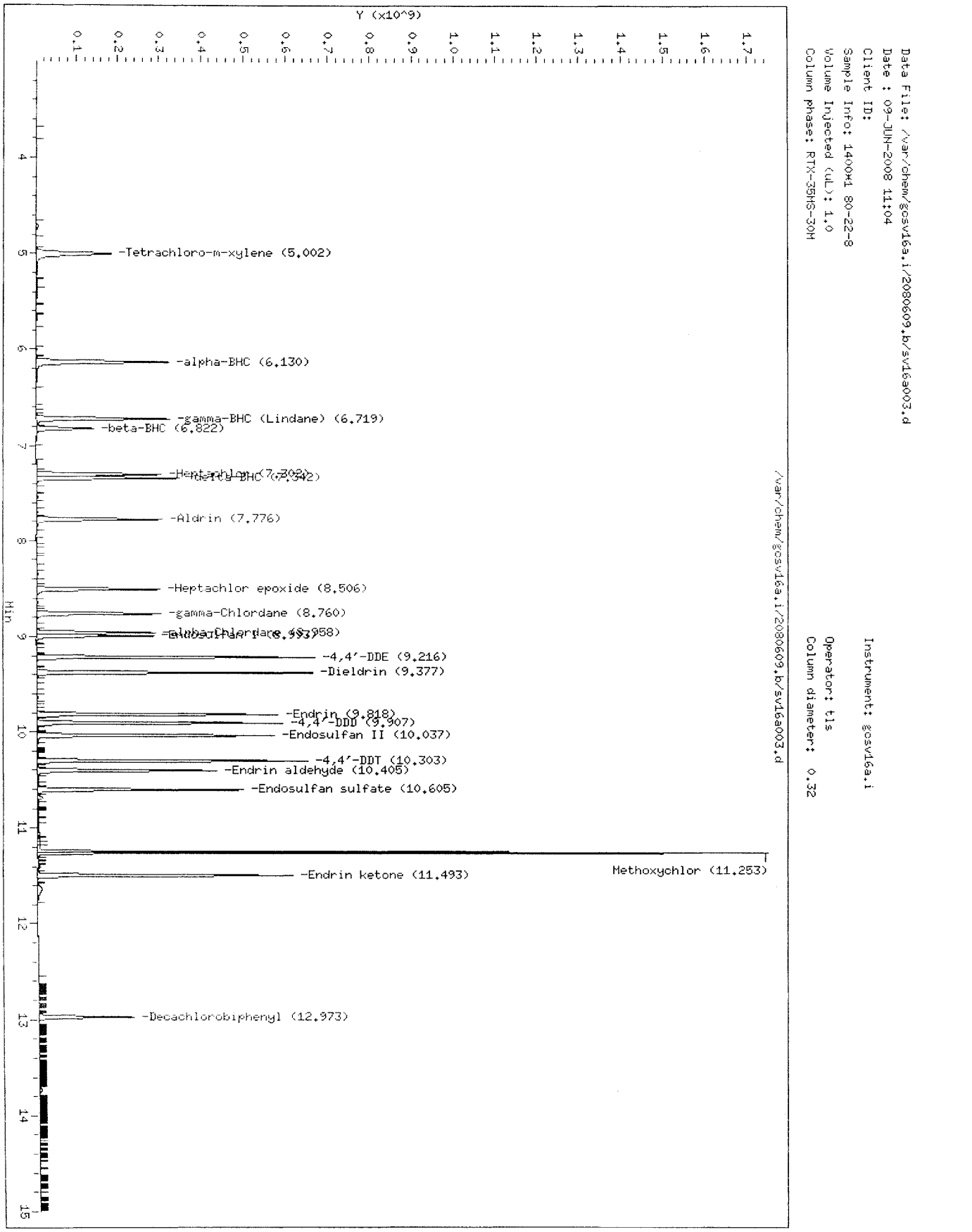
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	5.002	5.015	-0.013	491206209	60.0000	63
2	alpha-BHC	6.130	6.143	-0.013	636739883	60.0000	62
3	gamma-BHC (Lindane)	6.719	6.730	-0.011	563092340	60.0000	64
6	beta-BHC	6.822	6.832	-0.010	242884589	60.0000	64
4	Heptachlor	7.302	7.321	-0.019	509249664	60.0000	65
7	delta-BHC	7.342	7.361	-0.019	547255404	60.0000	63
5	Aldrin	7.776	7.789	-0.013	503922310	60.0000	60
8	Heptachlor epoxide	8.506	8.517	-0.011	462179948	60.0000	62
10	gamma-Chlordane	8.760	8.771	-0.011	461473382	60.0000	61
11	alpha Chlordane	8.958	8.965	-0.007	424879305	60.0000	62
9	Endosulfan I	8.993	9.001	0.008	431534609	60.0000	64
12	4,4'-DDE	9.216	9.224	-0.008	915859555	120.000	120
13	Dieldrin	9.377	9.389	-0.012	962346549	120.000	120

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a003.d
Report Date: 10-Jun-2008 13:28

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.818	9.830	-0.012	815065615	120.000	130
	15 4,4'-DDD	9.907	9.919	-0.012	777825197	120.000	120
	16 Endosulfan II	10.037	10.049	-0.012	803923601	120.000	120
	17 4,4'-DDT	10.303	10.315	-0.012	831746765	120.000	140
	18 Endrin aldehyde	10.405	10.417	-0.012	611691237	120.000	120
	20 Endosulfan sulfate	10.605	10.616	0.011	676210361	120.000	120
	19 Methoxychlor	11.253	11.261	-0.008	1668582382	600.000	560
	21 Endrin ketone	11.493	11.510	-0.017	845785668	120.000	130
$	22 Decachlorobiphenyl	12.973	12.988	-0.015	349573694	60.0000	60

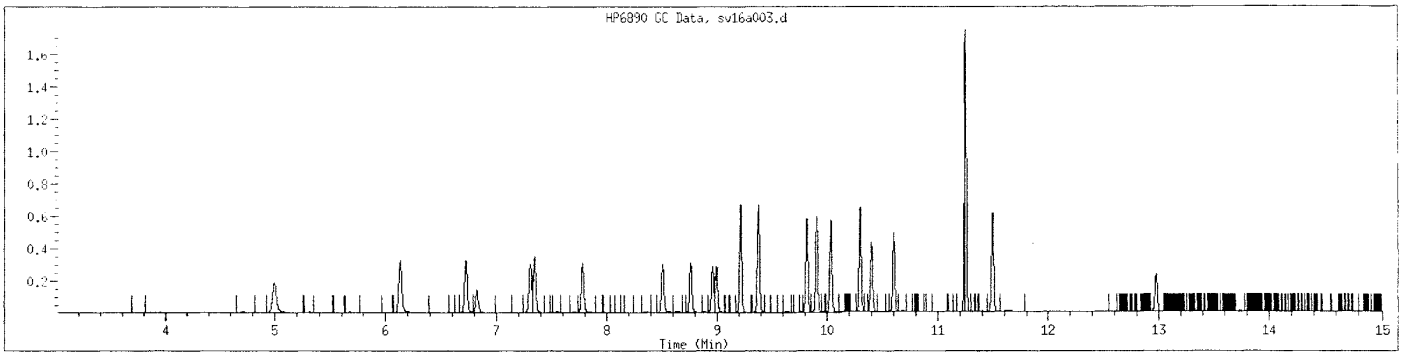
171036


Data File: /var/chem/gcsv16a.i/20080609.b/sv16a003.d
Date : 09-JUN-2008 11:04
Client ID:
Sample Info: 1400x1 80-22-8
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/20080609.b/sv16a003.d
-Tetrachloro-m-xylene (5.002)
-alpha-BHC (6.130)
-gamma-BHC (Lindane) (6.719)
-beta-BHC (6.822)
-Heptachlor (7.202)
-Aldrin (7.776)
-Heptachlor epoxide (8.506)
-gamma-Chlordane (8.760)
-4,4'-DDE (9.216)
-Dieldrin (9.377)
-Endrin (9.818)
-4,4'-DDD (9.907)
-Endosulfan II (10.037)
-4,4'-DDT (10.303)
-Endrin aldehyde (10.405)
-Endosulfan sulfate (10.605)
Methoxychlor (11.253)
-Endrin ketone (11.493)
-Decachlorobiphenyl (12.973)

171037

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/09/2008 11:04	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-22-8		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080609.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

171038

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a009.d
Report Date: 10-Jun-2008 13:28

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 09-JUN-2008 15:00
Lab File ID: sv16a009.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080609.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	7832536	8219355	0.010	-4.93862	20.00000	Averaged
2 alpha-BHC	10247844	10708138	0.010	-4.49162	20.00000	Averaged
3 gamma-BHC (Lindane)	8834053	9467520	0.010	-7.17074	20.00000	Averaged
6 beta-BHC	3780707	4053739	0.010	-7.22173	20.00000	Averaged
4 Heptachlor	7794624	8429615	0.010	-8.14651	20.00000	Averaged
7 delta-BHC	8706284	9409885	0.010	-8.08153	20.00000	Averaged
5 Aldrin	8383738	8486618	0.010	-1.22714	20.00000	Averaged
8 Heptachlor epoxide	7398469	7767685	0.010	-4.99043	20.00000	Averaged
10 gamma-Chlordane	7594496	7742085	0.010	-1.94336	20.00000	Averaged
11 alpha-Chlordane	6848684	7199508	0.010	-5.12251	20.00000	Averaged
9 Endosulfan I	6761473	7396657	0.010	-9.39417	20.00000	Averaged
12 4,4'-DDE	7580410	7740684	0.010	-2.11431	20.00000	Averaged
13 Dieldrin	7856269	8121928	0.010	-3.38149	20.00000	Averaged
14 Endrin	6062340	6947888	0.010	-14.60736	20.00000	Averaged
15 4,4'-DDD	6356864	6947440	0.010	-9.29036	20.00000	Averaged
16 Endosulfan II	6599819	6856136	0.010	-3.88370	20.00000	Averaged
17 4,4'-DDT	5859967	5929905	0.010	-1.19349	20.00000	Averaged
18 Endrin aldehyde	5104232	5044191	0.010	1.17630	20.00000	Averaged
20 Endosulfan sulfate	5784986	6053450	0.010	-4.64070	20.00000	Averaged
19 Methoxychlor	2969487	3239269	0.010	-9.08514	20.00000	Averaged
21 Endrin ketone	6565166	7166227	0.010	-9.15530	20.00000	Averaged
$ 22 Decachlorobiphenyl	5797031	6011559	0.010	-3.70066	20.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 5.67987
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

171039

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a009.d
Report Date: 10-Jun-2008 13:28

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080609.b/sv16a009.d
Lab Smp Id: 1400
Inj Date : 09-JUN-2008 15:00
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080609.b/pest35MS.m
Meth Date : 10-Jun-2008 13:28 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 9 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	5.001	5.015	-0.014	493161288	60.0000	63
2	alpha-BHC	6.129	6.143	-0.014	642488271	60.0000	63
3	gamma-BHC (Lindane)	6.719	6.730	-0.011	568051227	60.0000	64
6	beta-BHC	6.821	6.832	-0.011	243224345	60.0000	64
4	Heptachlor	7.302	7.321	-0.019	505776875	60.0000	65
7	delta-BHC	7.341	7.361	-0.020	564593085	60.0000	65
5	Aldrin	7.776	7.789	-0.013	509197086	60.0000	61
8	Heptachlor epoxide	8.505	8.517	-0.012	466061075	60.0000	63
10	gamma-Chlordane	8.760	8.771	-0.011	464525079	60.0000	61
11	alpha-Chlordane	8.958	8.965	-0.007	431970509	60.0000	63
9	Endosulfan I	8.994	9.001	-0.007	443799444	60.0000	66
12	4,4'-DDE	9.217	9.225	-0.008	928882038	120.000	120
13	Dieldrin	9.377	9.389	-0.012	974631327	120.000	120

171040

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a009.d
Report Date: 10-Jun-2008 13:28

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	ON-COL (UG/L)
14	Endrin	9.819	9.830	-0.011	833746538	120.000	140
15	4,4'-DDD	9.907	9.919	-0.012	833692746	120.000	130
16	Endosulfan II	10.037	10.049	-0.012	822736260	120.000	120
17	4,4'-DDT	10.304	10.315	-0.011	711588647	120.000	120
18	Endrin aldehyde	10.405	10.417	-0.012	605302971	120.000	120
20	Endosulfan sulfate	10.605	10.616	-0.011	726414024	120.000	130
19	Methoxychlor	11.254	11.261	-0.007	1943561566	600.000	650(M2)
21	Endrin ketone	11.494	11.511	-0.017	859947280	120.000	130
$ 22	Decachlorobiphenyl	12.973	12.988	-0.015	360693556	60.0000	62

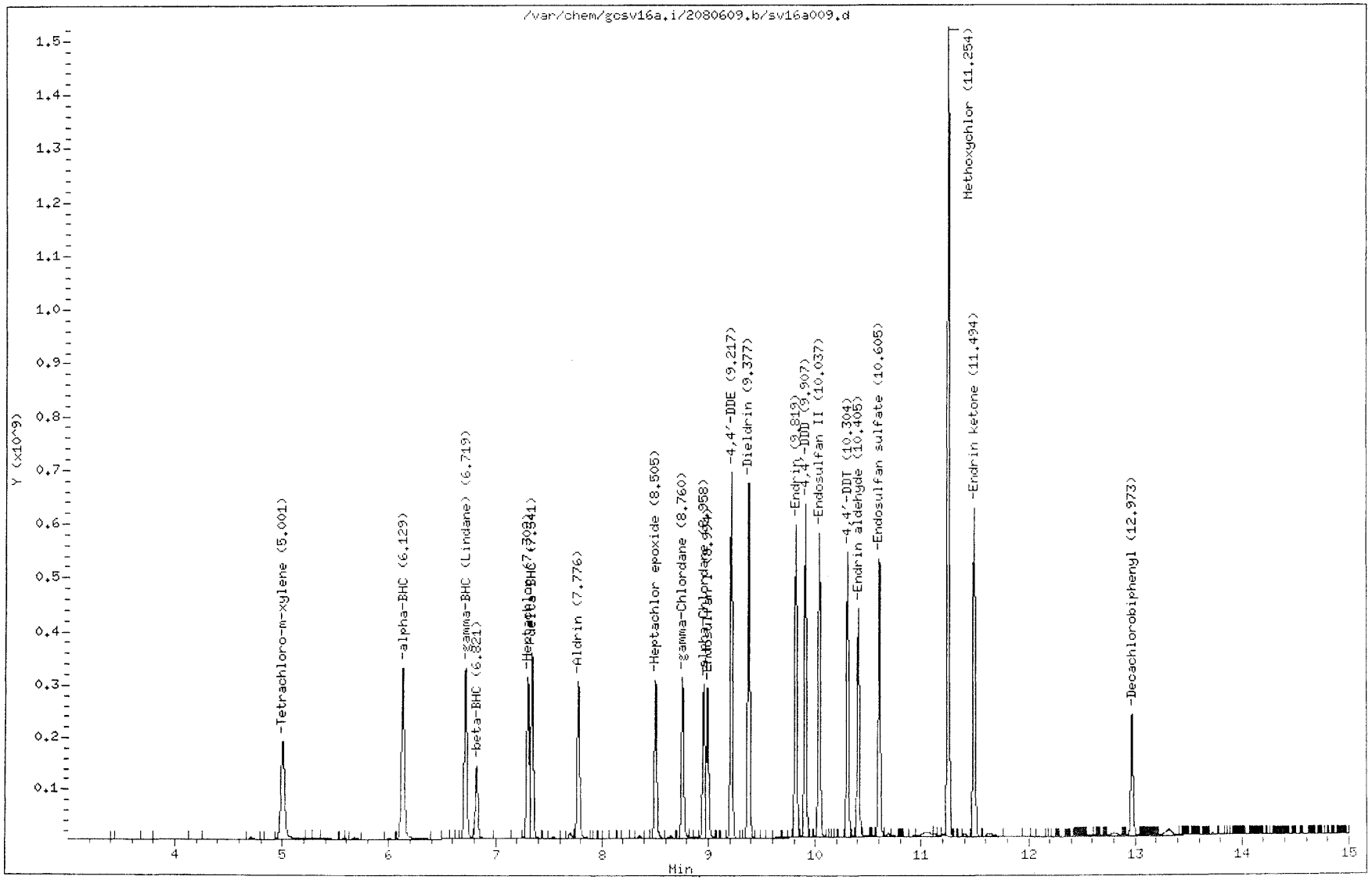
QC Flag Legend

M2- Compound response manually integrated because Target system integrated incorrectly.

171041

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a009.d
Date : 09-JUN-2008 15:00
Client ID:
Sample Info: 1400*1 80-22-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

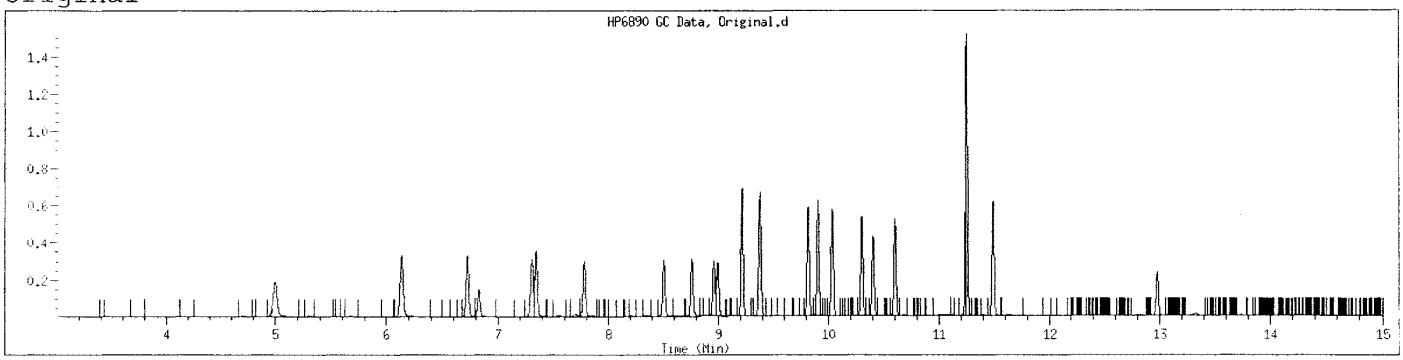


Data file : /var/chem/gcsv16a.i/2080609.b/sv16a009.d Page: 1
Report Date: 06/10/2008 13:28

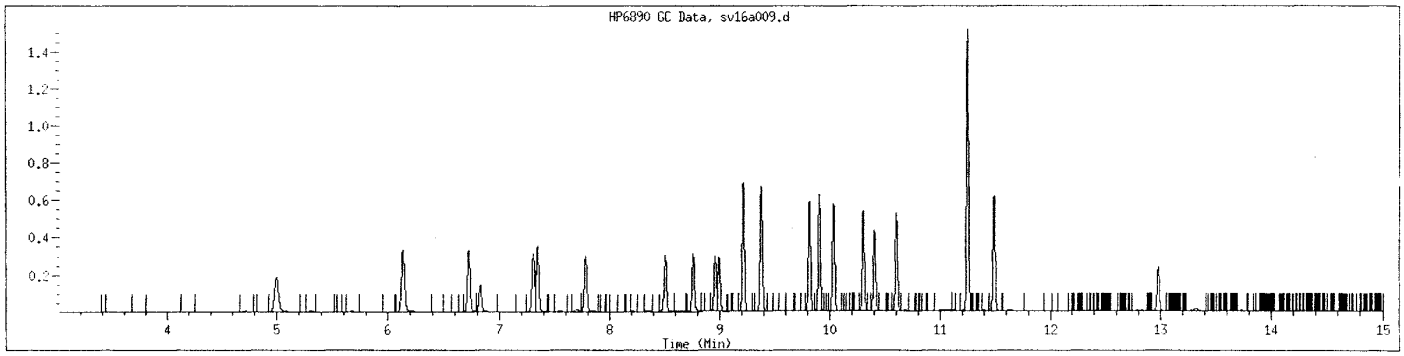
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/09/2008 15:00	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-22-8		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080609.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



171043

Report Date : 11-Jun-2008 16:48

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-MAY-2008 18:16
End Cal Date : 30-MAY-2008 01:09
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16b.i/2080606.b/pestXLB.m
Cal Date : 08-Jun-2008 11:58 root
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv16b.i/2080529.b/sv16b021.d
Level 2: /var/chem/gcsv16b.i/2080529.b/sv16b022.d
Level 3: /var/chem/gcsv16b.i/2080529.b/sv16b023.d
Level 4: /var/chem/gcsv16b.i/2080529.b/sv16b024.d
Level 5: /var/chem/gcsv16b.i/2080529.b/sv16b025.d
Level 6: /var/chem/gcsv16b.i/2080529.b/sv16b020.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	11389147	12240285	12282743	12373133	12380514	13520809	12364438	5.498
	3 gamma-BHC (Lindane)	10413932	10954373	10946839	10999453	11016970	+++++	10866313	2.343
	4 Heptachlor	8419990	8846168	8894375	8909719	8876626	+++++	8789376	2.365
	5 Aldrin	9200264	9693790	9591292	9564469	9490171	+++++	9507997	1.965
	6 beta-BHC	4926079	4845477	4727756	4731525	4717710	+++++	4789710	1.928
	7 delta-BHC	9965408	10712042	10866290	10943000	10955420	+++++	10688432	3.889
	8 Heptachlor epoxide	8784504	8810061	8516016	8449884	8363471	+++++	8584787	2.348
	9 Endosulfan I	6932809	7896696	7790642	7813426	7719930	+++++	7630701	5.179
	10 gamma-Chlordane	8460627	8551595	8600827	8643434	8654985	+++++	8582294	0.923
	11 alpha-Chlordane	7160667	7940495	8139109	8132780	8164497	+++++	7907510	5.400
	12 4,4'-DDE	8318502	8532877	8377543	8382253	8347412	+++++	8391718	0.989
	13 Dieldrin	8586524	8867975	8688246	8669772	8603417	+++++	8683187	1.288
	14 Endrin	7193464	7279945	7188420	7161272	7184292	+++++	7201479	0.633
	15 4,4'-DDD	6980100	7180569	7164805	7166614	7176858	+++++	7133789	1.208
	16 Endosulfan II	7623162	7686200	7468115	7426349	7372190	+++++	7515203	1.779
	17 4,4'-DDT	6304315	6793906	7073327	7179719	7248793	+++++	6920012	5.569
	18 Endrin aldehyde	5969972	6140030	6083890	6086293	6030510	+++++	6062139	1.063
	19 Methoxychlor	2951700	2982096	3048894	3114284	3058528	+++++	3031101	2.131
	20 Endosulfan sulfate	6672034	6787006	6686185	6687619	6652325	+++++	6697034	0.780
	21 Endrin ketone	7530742	8128908	8063573	8079858	8054139	+++++	7971444	3.112
M	23 AR 1016-AVG	1101886	1058110	1003887	953266	878241	1140402	1022632	9.523

171044

Report Date : 11-Jun-2008 16:48

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-MAY-2008 18:16
End Cal Date : 30-MAY-2008 01:09
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16b.i/2080606.b/pestXLB.m
Cal Date : 08-Jun-2008 11:58 root
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	184041	180727	170625	159549	144918	192114	171996	10.124
	25 AR 1016-PEAK2	265373	255375	238343	222200	202411	266242	241657	10.607
	26 AR 1016-PEAK3	207014	192202	181925	173932	161302	215648	188671	10.832
	27 AR 1016-PEAK4	220261	209701	203406	196792	183381	231515	207509	8.228
	28 AR 1016-PEAK5	225197	220105	209588	200794	186229	234883	212799	8.288
M	29 AR 1260-AVG	3152762	3079476	2970448	2909648	2759189	3216899	3014737	5.598
	30 AR 1260-PEAK1	469571	447614	424128	408995	384288	492260	437809	9.109
	31 AR 1260-PEAK2	529437	527372	513782	498739	463190	540072	512098	5.447
	32 AR 1260-PEAK3	603378	588720	568692	558127	528912	604654	575414	5.109
	33 AR 1260-PEAK4	957796	940521	909870	898617	864583	978782	925028	4.531
	34 AR 1260-PEAK5	592581	575250	553975	545170	518217	601131	564387	5.531
M	35 AR 1221-AVG	+++++	+++++	277403	+++++	+++++	+++++	277403	0.000
	36 AR 1221-PEAK1	+++++	+++++	25383	+++++	+++++	+++++	25383	0.000
	37 AR 1221-PEAK2	+++++	+++++	36065	+++++	+++++	+++++	36065	0.000
	38 AR 1221-PEAK3	+++++	+++++	101053	+++++	+++++	+++++	101053	0.000
	39 AR 1221-PEAK4	+++++	+++++	62426	+++++	+++++	+++++	62426	0.000
	40 AR 1221-PEAK5	+++++	+++++	52476	+++++	+++++	+++++	52476	0.000
M	41 AR 1232-AVG	+++++	+++++	744533	+++++	+++++	+++++	744533	0.000
	42 AR 1232-PEAK1	+++++	+++++	185204	+++++	+++++	+++++	185204	0.000
	43 AR 1232-PEAK2	+++++	+++++	107205	+++++	+++++	+++++	107205	0.000
	44 AR 1232-PEAK3	+++++	+++++	163570	+++++	+++++	+++++	163570	0.000
	45 AR 1232-PEAK4	+++++	+++++	193864	+++++	+++++	+++++	193864	0.000
	46 AR 1232-PEAK5	+++++	+++++	94690	+++++	+++++	+++++	94690	0.000
M	47 AR 1242-AVG	+++++	+++++	1103106	+++++	+++++	+++++	1103106	0.000
	48 AR 1242-PEAK1	+++++	+++++	132995	+++++	+++++	+++++	132995	0.000
	49 AR 1242-PEAK2	+++++	+++++	282331	+++++	+++++	+++++	282331	0.000
	50 AR 1242-PEAK3	+++++	+++++	328050	+++++	+++++	+++++	328050	0.000
	51 AR 1242-PEAK4	+++++	+++++	180450	+++++	+++++	+++++	180450	0.000
	52 AR 1242-PEAK5	+++++	+++++	179280	+++++	+++++	+++++	179280	0.000

171045

Report Date : 11-Jun-2008 16:48

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-MAY-2008 18:16
End Cal Date : 30-MAY-2008 01:09
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16b.i/2080606.b/pestXLB.m
Cal Date : 08-Jun-2008 11:58 root
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
M	53 AR 1248-AVG	+++++	+++++	1386454	+++++	+++++	+++++	1386454	0.000
	54 AR 1248-PEAK1	+++++	+++++	225860	+++++	+++++	+++++	225860	0.000
	55 AR 1248-PEAK2	+++++	+++++	248094	+++++	+++++	+++++	248094	0.000
	56 AR 1248-PEAK3	+++++	+++++	273536	+++++	+++++	+++++	273536	0.000
	57 AR 1248-PEAK4	+++++	+++++	333416	+++++	+++++	+++++	333416	0.000
	58 AR 1248-PEAK5	+++++	+++++	305548	+++++	+++++	+++++	305548	0.000
M	59 AR 1254-AVG	+++++	+++++	1264036	+++++	+++++	+++++	1264036	0.000
	60 AR 1254-PEAK1	+++++	+++++	149345	+++++	+++++	+++++	149345	0.000
	61 AR 1254-PEAK2	+++++	+++++	128852	+++++	+++++	+++++	128852	0.000
	62 AR 1254-PEAK3	+++++	+++++	266503	+++++	+++++	+++++	266503	0.000
	63 AR 1254-PEAK4	+++++	+++++	504528	+++++	+++++	+++++	504528	0.000
	64 AR 1254-PEAK5	+++++	+++++	214807	+++++	+++++	+++++	214807	0.000
M	65 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	985445	+++++	985445	0.000
	66 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	176917	+++++	176917	0.000
	67 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	246159	+++++	246159	0.000
	68 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	280940	+++++	280940	0.000
	69 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	281428	+++++	281428	0.000
M	70 CHLORDANE-AVG	+++++	+++++	+++++	+++++	2711688	+++++	2711688	0.000
	71 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	361368	+++++	361368	0.000
	72 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	436238	+++++	436238	0.000
	73 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	1112485	+++++	1112485	0.000
	74 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	801597	+++++	801597	0.000
M	75 AR 1268-AVG	+++++	+++++	5956813	+++++	+++++	+++++	5956813	0.000
	76 AR 1268-PEAK1	+++++	+++++	1146512	+++++	+++++	+++++	1146512	0.000
	77 AR 1268-PEAK2	+++++	+++++	1004765	+++++	+++++	+++++	1004765	0.000
	78 AR 1268-PEAK3	+++++	+++++	850573	+++++	+++++	+++++	850573	0.000
	79 AR 1268-PEAK4	+++++	+++++	361439	+++++	+++++	+++++	361439	0.000
	80 AR 1268-PEAK5	+++++	+++++	2593524	+++++	+++++	+++++	2593524	0.000
M	81 AR 1262-AVG	+++++	+++++	2873632	+++++	+++++	+++++	2873632	0.000

Report Date : 11-Jun-2008 16:48

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-MAY-2008 18:16
End Cal Date : 30-MAY-2008 01:09
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16b.i/2080606.b/pestXLB.m
Cal Date : 08-Jun-2008 11:58 root
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-PEAK1	+++++	+++++	364636	+++++	+++++	+++++	364636	0.000
83 AR 1262-PEAK2	+++++	+++++	527701	+++++	+++++	+++++	527701	0.000
84 AR 1262-PEAK3	+++++	+++++	426313	+++++	+++++	+++++	426313	0.000
85 AR 1262-PEAK4	+++++	+++++	937916	+++++	+++++	+++++	937916	0.000
86 AR 1262-PEAK5	+++++	+++++	617065	+++++	+++++	+++++	617065	0.000
87 Diallate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
88 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
89 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
90 kepone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 1 Tetrachloro-m-xylene	9381375	9691532	9532711	9489794	9405771	+++++	9500237	1.298
$ 22 Decachlorobiphenyl	6886937	6596347	6404682	6398037	6385667	+++++	6534334	3.297

171047

Report Date : 11-Jun-2008 16:48

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-MAY-2008 18:16
End Cal Date : 30-MAY-2008 01:09
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16b.i/2080606.b/pestXLB.m
Cal Date : 08-Jun-2008 11:58 root
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 4.35034
Maximun Average %RSD = 20.00000
* Passed Average %RSD Test.

171048

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

$$\frac{5190971 + 525586}{5190971 + 525586 + 443421483} \times 100 = 1.3\ \%$$

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

$$\frac{38169768 + 11714600}{38169768 + 11714600 + 530333429} \times 100 = 8.6\ \%$$

Endrin Breakdown: Criteria

< 15%

171049

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b002.d
Report Date: 30-May-2008 10:00

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2080529.b/sv16b002.d
Lab Smp Id: deg
Inj Date : 29-MAY-2008 17:58
Operator : tls Inst ID: gcsv16b.i
Smp Info : deg*1 80-19-6
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2080529.b/pestXLB.m
Meth Date : 30-May-2008 09:58 root Quant Type: ESTD
Cal Date : 30-MAY-2008 01:09 Cal File: sv16b025.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)

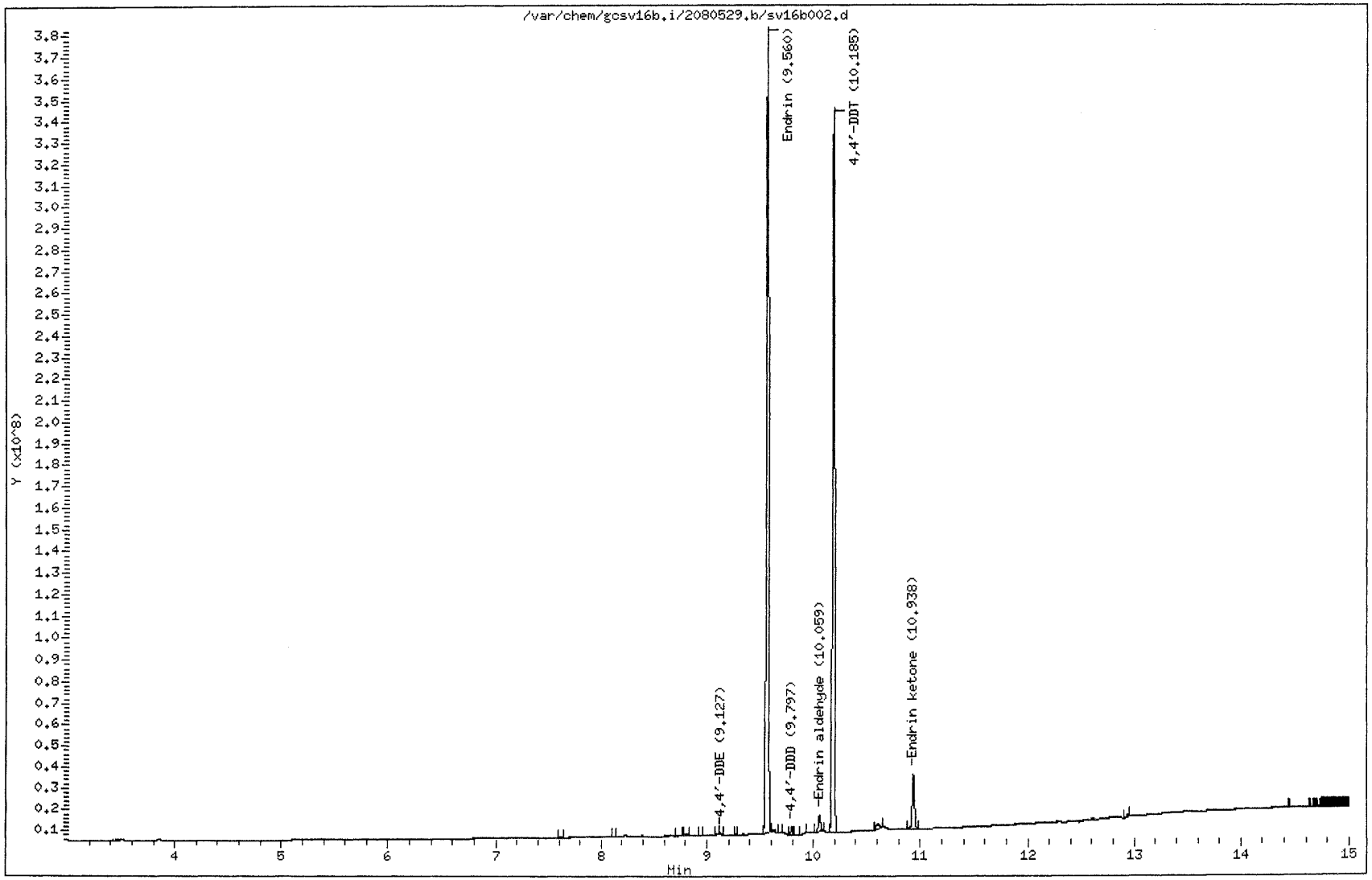
Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/L)
12 4,4'-DDE	9.127	9.129	-0.002	525586	0.06263	0.00063
15 4,4'-DDD	9.797	9.797	0.000	5190971	0.72766	0.0073
17 4,4'-DDT	10.185	10.184	0.001	443421483	64.0781	0.64
18 Endrin aldehyde	10.059	10.058	0.001	11714600	1.93242	0.019
21 Endrin ketone	10.938	10.938	0.000	38169768	4.78831	0.048
14 Endrin	9.560	9.560	0.000	530333429	73.6423	0.74

171050

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b002.d
Date : 29-MAY-2008 17:58
Client ID:
Sample Info: deg*1 80-19-6
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

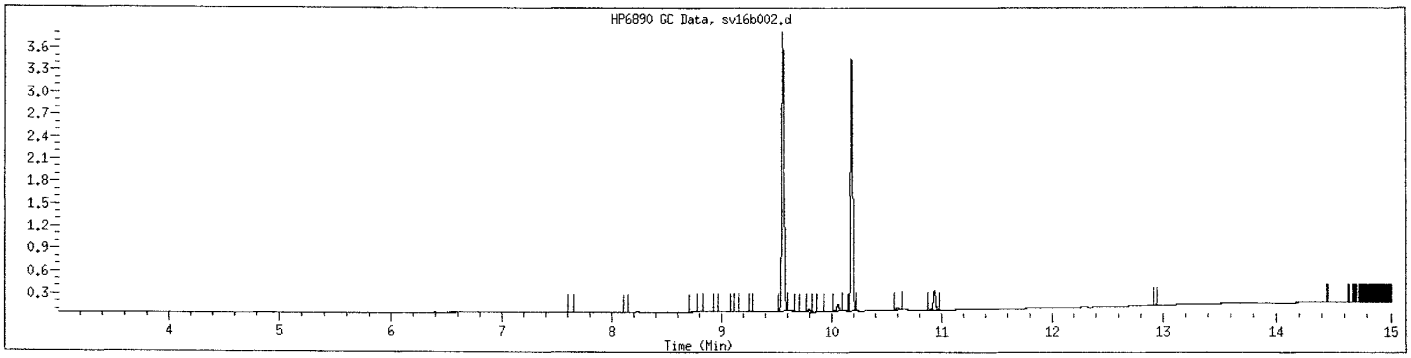
Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16b.i/2080529.b/sv16b002.d Page: 1
Report Date: 05/30/2008 10:00

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: deg	SampleType	: SAMPLE
Injection Date	: 05/29/2008 17:58	Instrument	: gcsv16b.i
Operator	: tls		
Sample Info	: deg*1 80-19-6		
Misc Info	:		
Method	: /var/chem/gcsv16b.i/2080529.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: deg



NO MANUAL INTEGRATIONS

171052

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b003.d
Report Date: 30-May-2008 10:56

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2080529.b/sv16b003.d
Lab Smp Id: 1206
Inj Date : 29-MAY-2008 18:16
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1206*1 2.5
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2080529.b/pestXLB.m
Meth Date : 30-May-2008 10:56 root Quant Type: ESTD
Cal Date : 29-MAY-2008 23:35 Cal File: sv16b020.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

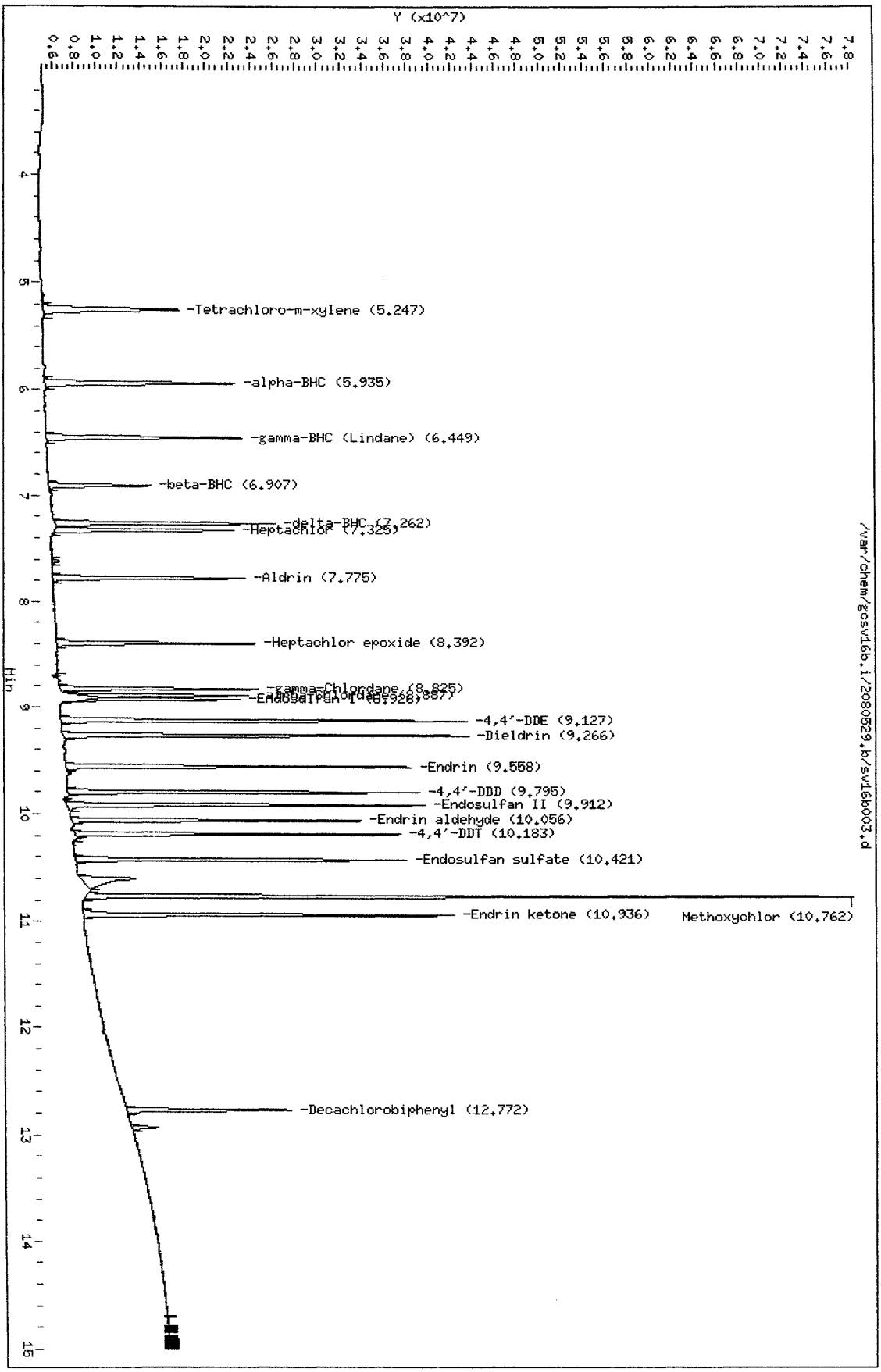
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	5.247	5.247	0.000	28676372	2.50000	3.0
2	alpha-BHC	5.935	5.935	0.000	33802022	2.50000	2.7
3	gamma-BHC (Lindane)	6.449	6.449	0.000	31043742	2.50000	2.9
6	beta-BHC	6.907	6.907	0.000	15037766	2.50000	3.1
7	delta-BHC	7.262	7.260	0.002	29892372	2.50000	2.8
4	Heptachlor	7.325	7.325	0.000	25594018	2.50000	2.9
5	Aldrin	7.775	7.774	0.001	27520323	2.50000	2.9
8	Heptachlor epoxide	8.392	8.390	0.002	26906624	2.50000	3.1
10	gamma-Chlordane	8.825	8.826	-0.001	25704188	2.50000	3.0
11	alpha-Chlordane	8.887	8.888	-0.001	18928531	2.50000	2.4
9	Endosulfan I	8.926	8.926	0.000	17991587	2.50000	2.4
12	4,4'-DDE	9.127	9.127	0.000	50694008	5.00000	6.0
13	Dieldrin	9.266	9.267	-0.001	51709827	5.00000	6.0

171053

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b003.d
Report Date: 30-May-2008 10:56

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.558	9.558	0.000	43852107	5.00000	6.1
15	4,4'-DDD	9.795	9.796	-0.001	41708504	5.00000	5.8
16	Endosulfan II	9.912	9.912	0.000	46726625	5.00000	6.2
18	Endrin aldehyde	10.056	10.057	-0.001	36503934	5.00000	6.0
17	4,4'-DDT	10.183	10.183	0.000	38110046	5.00000	5.5
20	Endosulfan sulfate	10.421	10.420	0.001	40950052	5.00000	6.1
19	Methoxychlor	10.762	10.762	0.000	90732842	25.0000	30
21	Endrin ketone	10.936	10.937	-0.001	47823556	5.00000	6.0
$ 22	Decachlorobiphenyl	12.772	12.770	0.002	21646635	2.50000	3.3

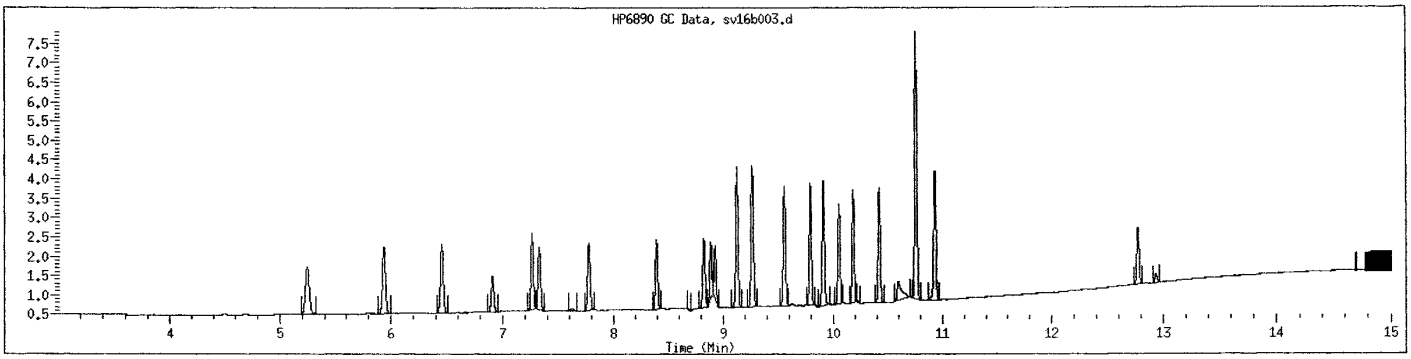
171054


Data File: /var/chem/gcsv16b.i/20080529.b/sv16b003.d
Date : 29-MAY-2008 18:16
Client ID:
Sample Info: 1206x1 2.5
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M
Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32
Y (x10^7)
Min
/var/chem/gcsv16b.i/20080529.b/sv16b003.d
-Tetrachloro-m-xylene (5.247)
-alpha-BHC (5.935)
-gamma-BHC (Lindane) (6.449)
-beta-BHC (6.907)
-delta-BHC (7.262)
-Heptachlor (7.325)
-Aldrin (7.775)
-Heptachlor epoxide (8.392)
-gamma-Chlordane (8.825)
-Endosulfan I (8.887)
-4,4'-DDE (9.127)
-Dieldrin (9.266)
-Endrin (9.558)
-4,4'-DDD (9.795)
-Endosulfan II (9.912)
-Endrin aldehyde (10.056)
-4,4'-DDT (10.183)
-Endosulfan sulfate (10.421)
-Endrin ketone (10.936)
Methoxychlor (10.762)
-Decachlorobiphenyl (12.772)

171055

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1206	SampleType	: CALIB_6
Injection Date	: 05/29/2008 18:16	Instrument	: gcsv16b.i
Operator	: tls		
Sample Info	: 1206*1 2.5		
Misc Info	:		
Method	: /var/chem/gcsv16b.i/2080529.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b004.d
Report Date: 30-May-2008 10:56

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2080529.b/sv16b004.d
Lab Smp Id: 1201
Inj Date : 29-MAY-2008 18:35
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1201*1 5
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2080529.b/pestXLB.m
Meth Date : 30-May-2008 10:56 root Quant Type: ESTD
Cal Date : 29-MAY-2008 23:54 Cal File: sv16b021.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	5.246	5.247	-0.001	46906876	5.00000	4.9
2	alpha-BHC	5.935	5.935	0.000	56945733	5.00000	4.6
3	gamma-BHC (Lindane)	6.449	6.449	0.000	52069662	5.00000	4.8
6	beta-BHC	6.907	6.907	0.000	24630395	5.00000	5.1
7	delta-BHC	7.262	7.260	0.002	49827039	5.00000	4.7
4	Heptachlor	7.325	7.324	0.001	42099948	5.00000	4.8
5	Aldrin	7.774	7.774	0.000	46001320	5.00000	4.8
8	Heptachlor epoxide	8.392	8.390	0.002	43922521	5.00000	5.1
10	gamma-Chlordane	8.827	8.826	0.001	42303137	5.00000	4.9
11	alpha-Chlordane	8.889	8.888	0.001	35803335	5.00000	4.5
9	Endosulfan I	8.926	8.926	0.000	34664043	5.00000	4.5
12	4,4'-DDE	9.127	9.127	0.000	83185024	10.0000	9.9
13	Dieldrin	9.266	9.267	-0.001	85865244	10.0000	9.9

171057

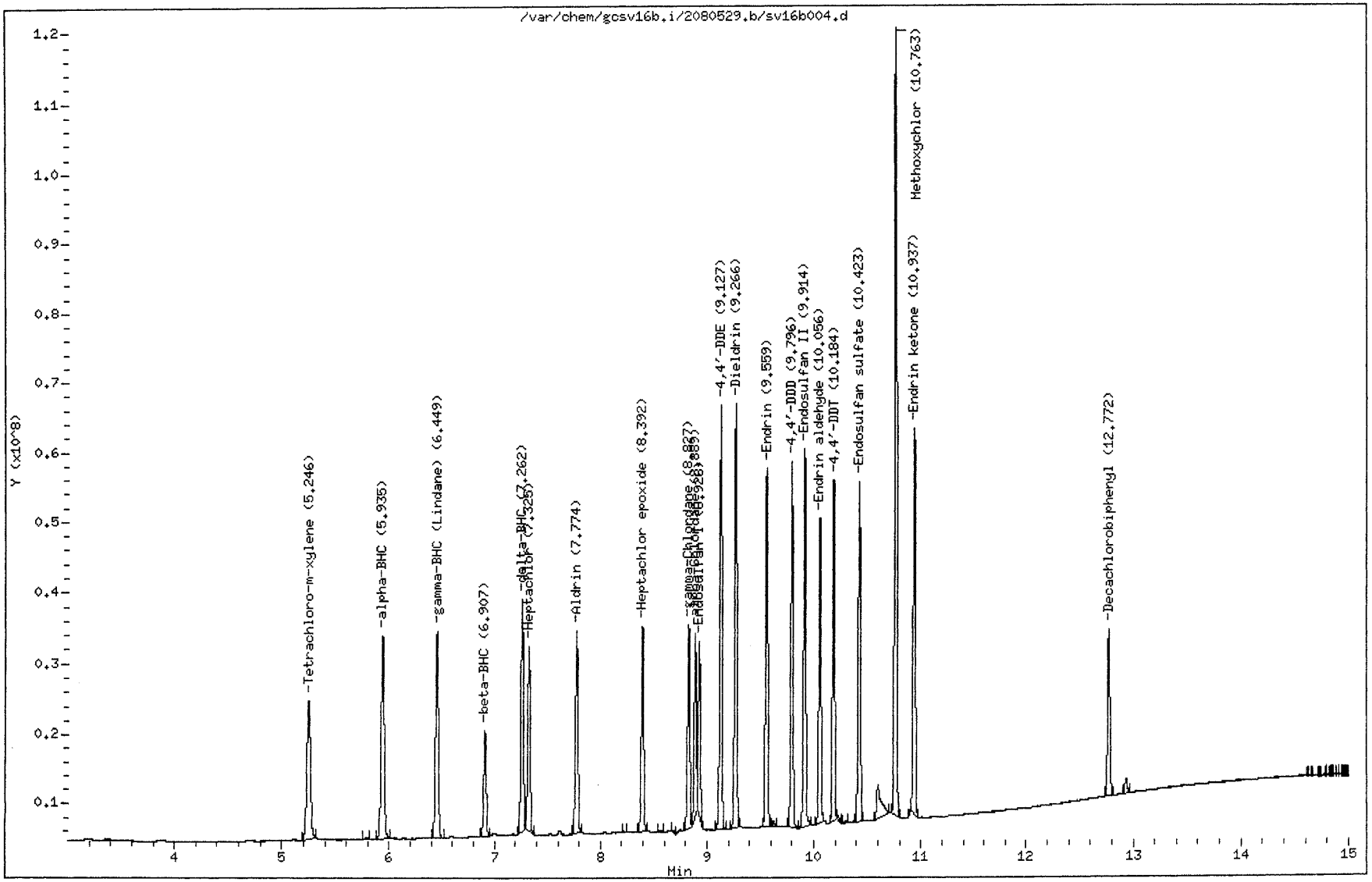
Data File: /var/chem/gcsv16b.i/2080529.b/sv16b004.d
Report Date: 30-May-2008 10:56

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.559	9.558	0.001	71934642	10.0000	10
	15 4,4'-DDD	9.796	9.796	0.000	69800997	10.0000	9.8
	16 Endosulfan II	9.914	9.912	0.002	76231619	10.0000	10
	18 Endrin aldehyde	10.056	10.057	-0.001	59699724	10.0000	9.8
	17 4,4'-DDT	10.184	10.183	0.001	63043147	10.0000	9.1
	20 Endosulfan sulfate	10.423	10.420	0.003	66720335	10.0000	10
	19 Methoxychlor	10.763	10.762	0.001	147585020	50.0000	49
	21 Endrin ketone	10.937	10.937	0.000	75307422	10.0000	9.4
$	22 Decachlorobiphenyl	12.772	12.770	0.002	34434686	5.00000	5.3

171058

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b004.d
Date : 29-MAY-2008 18:35
Client ID:
Sample Info: 1201*1 5
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

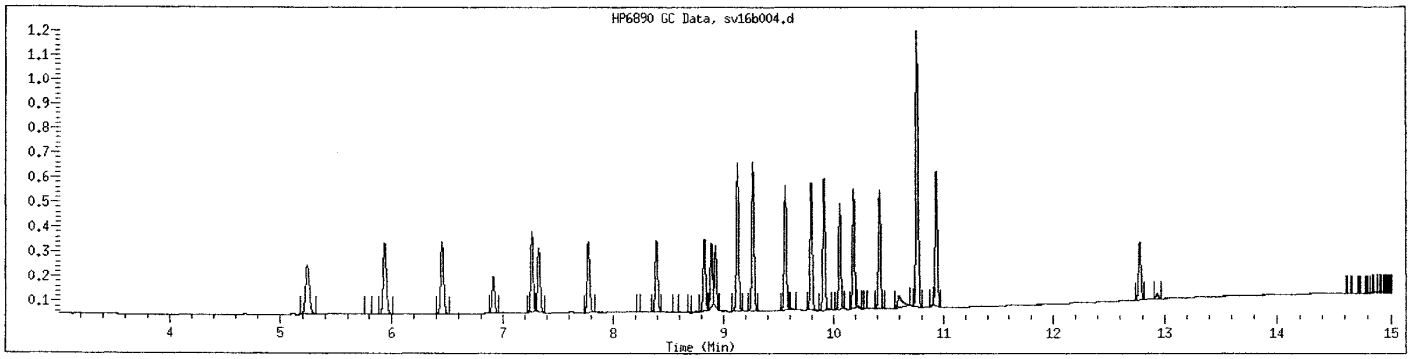
Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16b.i/2080529.b/sv16b004.d Page: 1
Report Date: 05/30/2008 10:56

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1201	SampleType	: CALIB_1
Injection Date	: 05/29/2008 18:35	Instrument	: gcsv16b.i
Operator	: tls		
Sample Info	: 1201*1 5		
Misc Info	:		
Method	: /var/chem/gcsv16b.i/2080529.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

171060

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b005.d
Report Date: 30-May-2008 10:56

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2080529.b/sv16b005.d
Lab Smp Id: 1202
Inj Date : 29-MAY-2008 18:54
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1202*1 20
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2080529.b/pestXLB.m
Meth Date : 30-May-2008 10:56 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:13 Cal File: sv16b022.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	5.247	5.247	0.000	193830634	20.0000	20
2	alpha-BHC	5.936	5.935	0.001	244805692	20.0000	20
3	gamma-BHC (Lindane)	6.449	6.449	0.000	219087451	20.0000	20
6	beta-BHC	6.907	6.907	0.000	96909543	20.0000	20
7	delta-BHC	7.262	7.260	0.002	214240839	20.0000	20
4	Heptachlor	7.325	7.325	0.000	176923361	20.0000	20
5	Aldrin	7.775	7.774	0.001	193875806	20.0000	20
8	Heptachlor epoxide	8.392	8.390	0.002	176201225	20.0000	21
10	gamma-Chlordane	8.827	8.826	0.001	171031897	20.0000	20
11	alpha-Chlordane	8.888	8.888	0.000	158809905	20.0000	20
9	Endosulfan I	8.926	8.926	0.000	157933912	20.0000	21
12	4,4'-DDE	9.127	9.127	0.000	341315091	40.0000	41
13	Dieldrin	9.267	9.267	0.000	354718985	40.0000	41

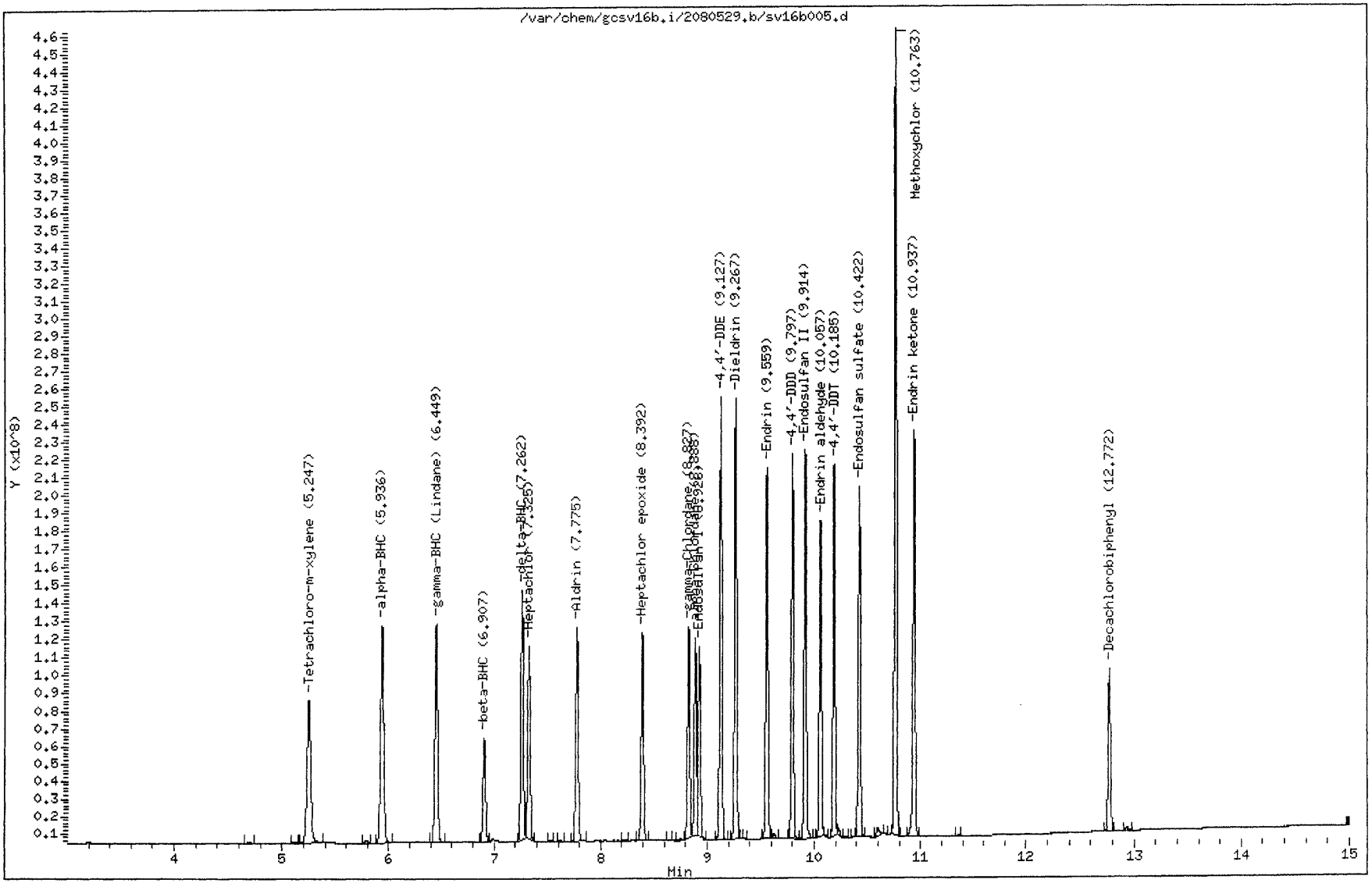
Data File: /var/chem/gcsv16b.i/2080529.b/sv16b005.d
Report Date: 30-May-2008 10:56

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.559	9.558	0.001	291197796	40.0000	40
15	4,4'-DDD	9.797	9.796	0.001	287222743	40.0000	40
16	Endosulfan II	9.914	9.912	0.002	307448011	40.0000	41
18	Endrin aldehyde	10.057	10.056	0.001	245601204	40.0000	41
17	4,4'-DDT	10.185	10.184	0.001	271756243	40.0000	39
20	Endosulfan sulfate	10.422	10.420	0.002	271480236	40.0000	41
19	Methoxychlor	10.763	10.762	0.001	596419263	200.000	200
21	Endrin ketone	10.937	10.937	0.000	325156325	40.0000	41
$ 22	Decachlorobiphenyl	12.772	12.770	0.002	131926948	20.0000	20

171062

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b005.d
Date : 29-MAY-2008 18:54
Client ID:
Sample Info: 1202x1 20
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32

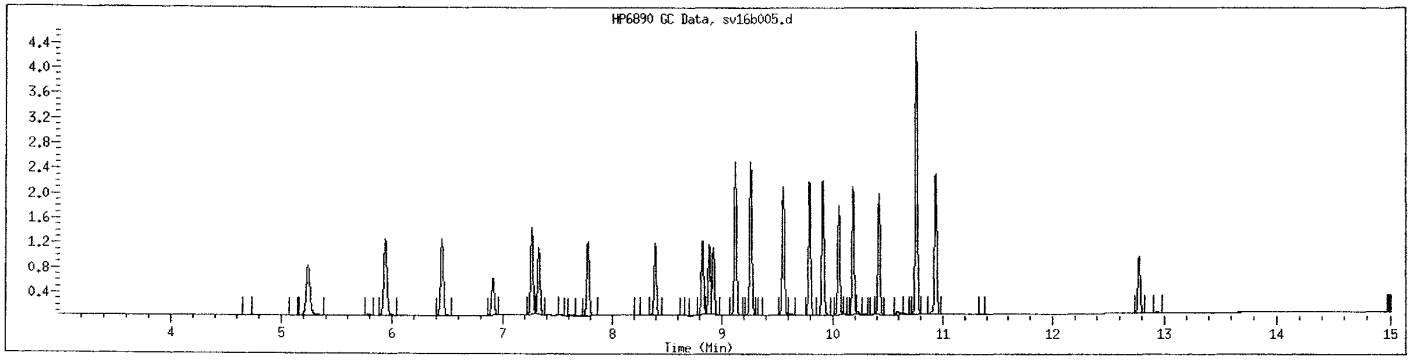


171063

Data file : /var/chem/gcsv16b.i/2080529.b/sv16b005.d Page: 1
Report Date: 05/30/2008 10:56

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1202	SampleType	: CALIB_2
Injection Date	: 05/29/2008 18:54	Instrument	: gcsv16b.i
Operator	: tls		
Sample Info	: 1202*1 20		
Misc Info	:		
Method	: /var/chem/gcsv16b.i/2080529.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

171064

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b006.d
Report Date: 30-May-2008 10:56

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2080529.b/sv16b006.d
Lab Smp Id: 1203
Inj Date : 29-MAY-2008 19:13
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1203*1 60
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2080529.b/pestXLB.m
Meth Date : 30-May-2008 10:56 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:31 Cal File: sv16b023.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	5.247	5.248	-0.001	571962675	60.0000	60
2 alpha-BHC	5.936	5.936	0.000	736964606	60.0000	60
3 gamma-BHC (Lindane)	6.450	6.450	0.000	656810324	60.0000	60
6 beta-BHC	6.907	6.908	-0.001	283665348	60.0000	59
7 delta-BHC	7.262	7.261	0.001	651977370	60.0000	61
4 Heptachlor	7.326	7.326	0.000	533662501	60.0000	61
5 Aldrin	7.775	7.775	0.000	575477502	60.0000	61
8 Heptachlor epoxide	8.392	8.392	0.000	510960980	60.0000	60
10 gamma-Chlordane	8.827	8.827	0.000	516049598	60.0000	60
11 alpha-Chlordane	8.888	8.889	-0.001	488346531	60.0000	62
9 Endosulfan I	8.926	8.927	-0.001	467438537	60.0000	61
12 4,4'-DDE	9.127	9.128	-0.001	1005305207	120.000	120
13 Dieldrin	9.267	9.268	-0.001	1042589526	120.000	120

171065

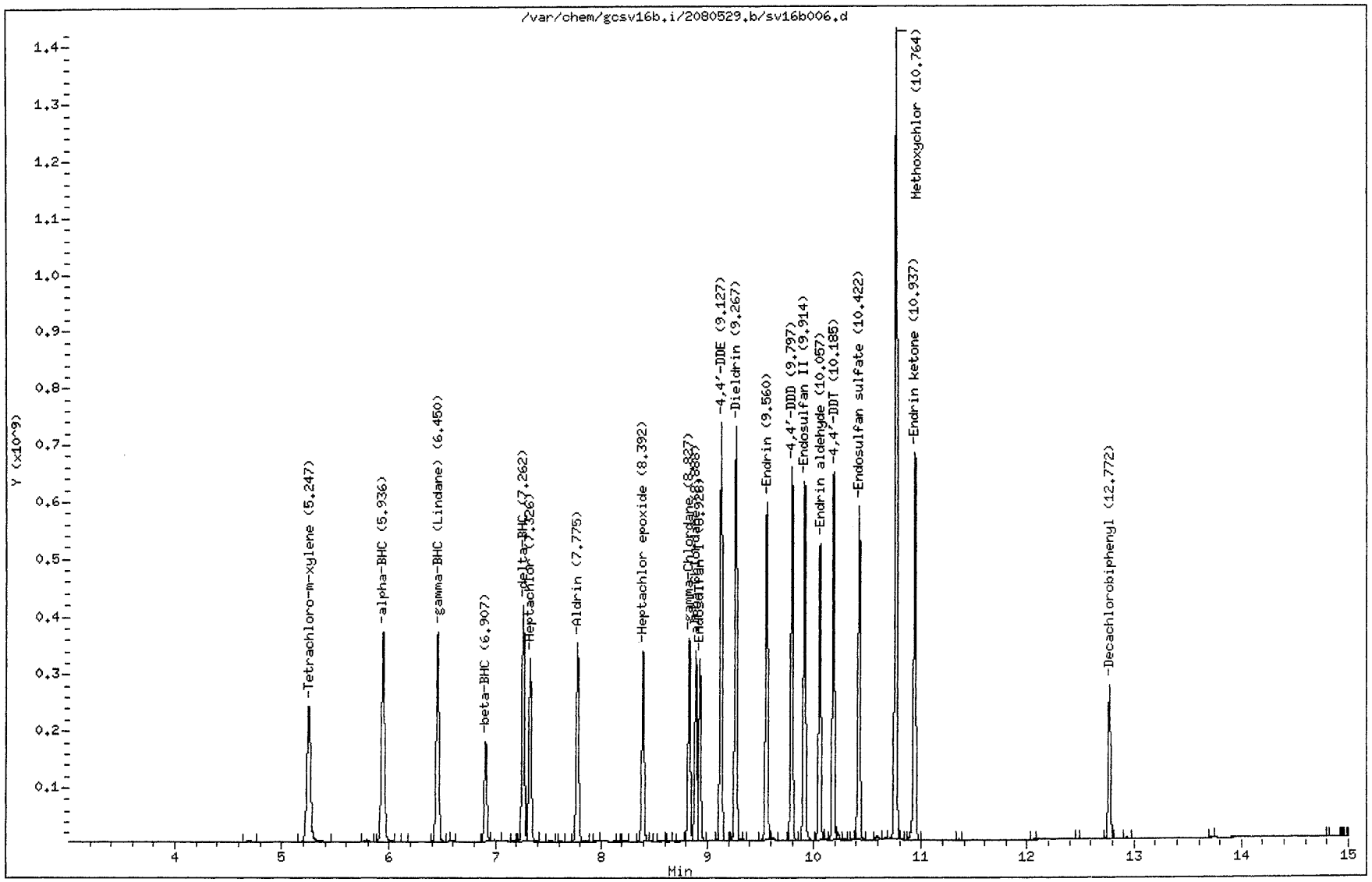
Data File: /var/chem/gcsv16b.i/2080529.b/sv16b006.d
Report Date: 30-May-2008 10:56

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.560	9.560	0.000	862610452	120.000	120
15	4,4'-DDD	9.797	9.797	0.000	859776581	120.000	120
16	Endosulfan II	9.914	9.913	0.001	896173841	120.000	120
18	Endrin aldehyde	10.057	10.058	-0.001	730066772	120.000	120
17	4,4'-DDT	10.185	10.185	0.000	848799201	120.000	120
20	Endosulfan sulfate	10.422	10.422	0.000	802342257	120.000	120
19	Methoxychlor	10.764	10.763	0.001	1829336417	600.000	600
21	Endrin ketone	10.937	10.938	-0.001	967628713	120.000	120
$ 22	Decachlorobiphenyl	12.772	12.771	0.001	384280950	60.0000	59

171066

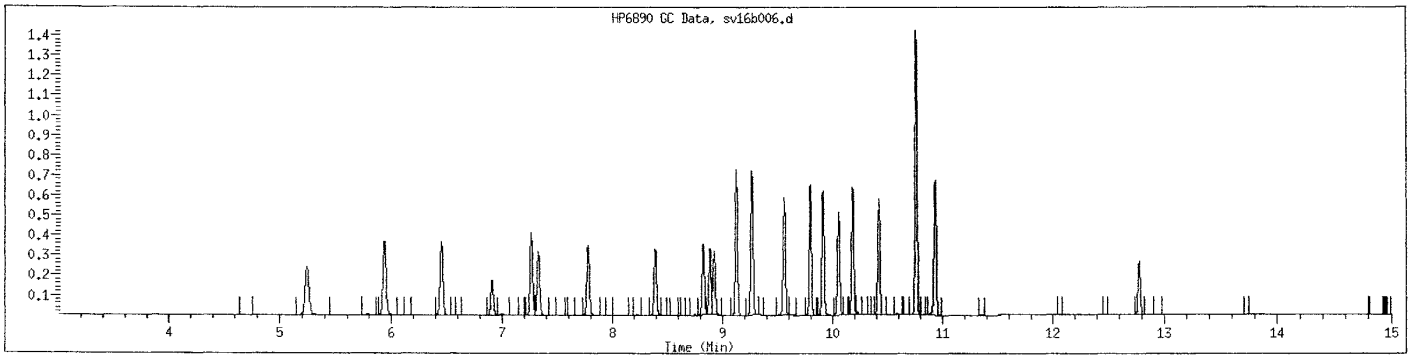
Data File: /var/chem/gcsv16b.i/2080529.b/sv16b006.d
Date : 29-MAY-2008 19:13
Client ID:
Sample Info: 1203*1 60
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 05/29/2008 19:13	Instrument	: gcsv16b.i
Operator	: tls		
Sample Info	: 1203*1 60		
Misc Info	:		
Method	: /var/chem/gcsv16b.i/2080529.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b007.d
Report Date: 30-May-2008 10:56

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2080529.b/sv16b007.d
Lab Smp Id: 1204
Inj Date : 29-MAY-2008 19:31
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1204*1 80
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2080529.b/pestXLB.m
Meth Date : 30-May-2008 10:56 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16b024.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

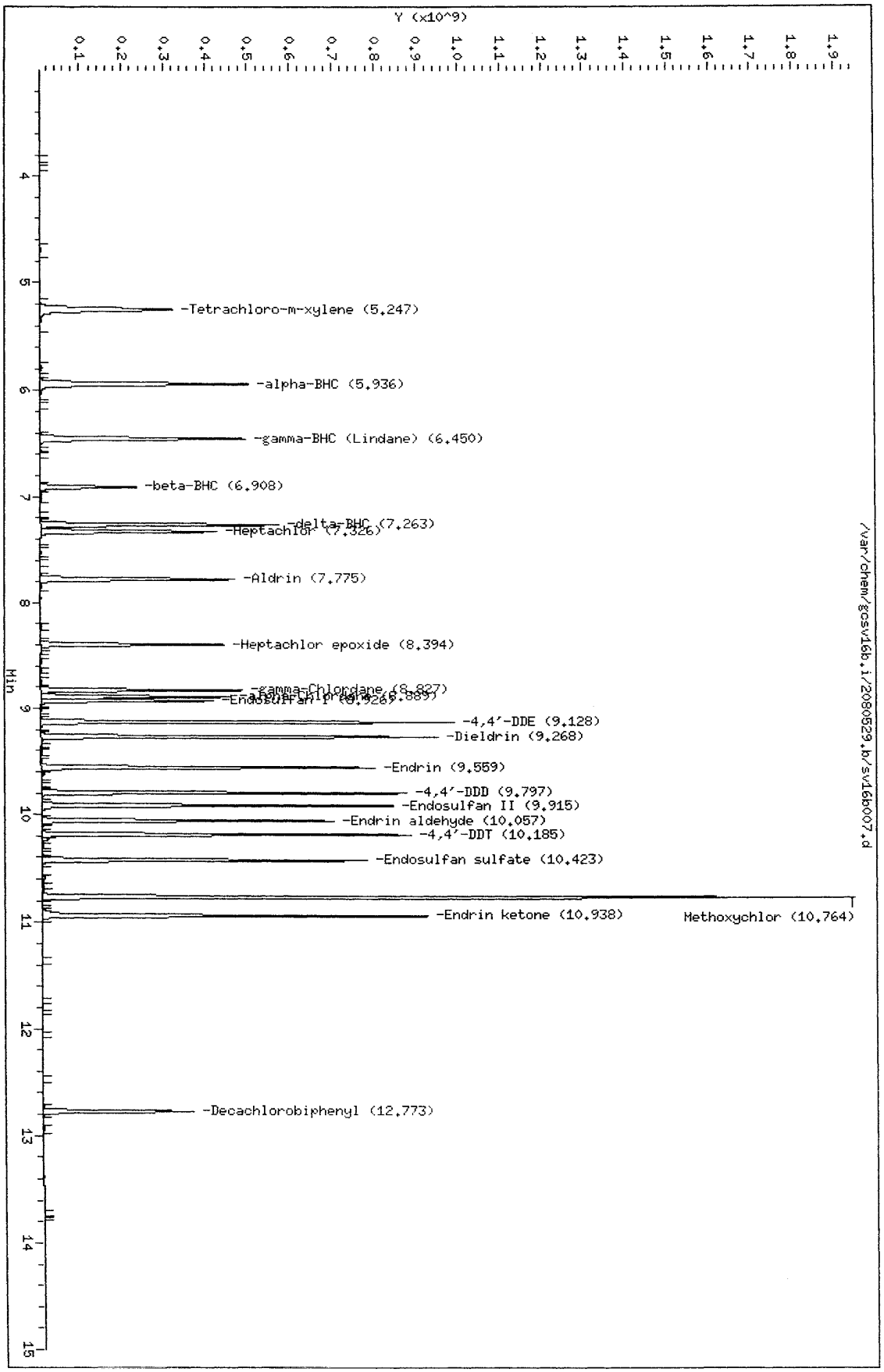
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	5.247	5.248	-0.001	759183497	80.0000	80
2	alpha-BHC	5.936	5.936	0.000	989850608	80.0000	80
3	gamma-BHC (Lindane)	6.450	6.450	0.000	879956235	80.0000	81
6	beta-BHC	6.908	6.908	0.000	378522024	80.0000	79
7	delta-BHC	7.263	7.261	0.002	875440031	80.0000	82
4	Heptachlor	7.326	7.326	0.000	712777550	80.0000	81
5	Aldrin	7.775	7.775	0.000	765157519	80.0000	80
8	Heptachlor epoxide	8.394	8.392	0.002	675990708	80.0000	79
10	gamma-Chlordane	8.827	8.827	0.000	691474743	80.0000	81
11	alpha-Chlordane	8.889	8.889	0.000	650622399	80.0000	82
9	Endosulfan I	8.926	8.927	-0.001	625074055	80.0000	82
12	4,4'-DDE	9.128	9.128	0.000	1341160535	160.000	160
13	Dieldrin	9.268	9.268	0.000	1387163591	160.000	160

171069

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b007.d
Report Date: 30-May-2008 10:56

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.559	9.560	-0.001	1145803488	160.000	160
	15 4,4'-DDD	9.797	9.797	0.000	1146658254	160.000	160
	16 Endosulfan II	9.915	9.913	0.002	1188215796	160.000	160
	18 Endrin aldehyde	10.057	10.058	-0.001	973806860	160.000	160
	17 4,4'-DDT	10.185	10.185	0.000	1148754999	160.000	170
	20 Endosulfan sulfate	10.423	10.422	0.001	1070019070	160.000	160
	19 Methoxychlor	10.764	10.764	0.000	2491427409	800.000	820
	21 Endrin ketone	10.938	10.938	0.000	1292777316	160.000	160
$	22 Decachlorobiphenyl	12.773	12.771	0.002	511842969	80.0000	78

171070

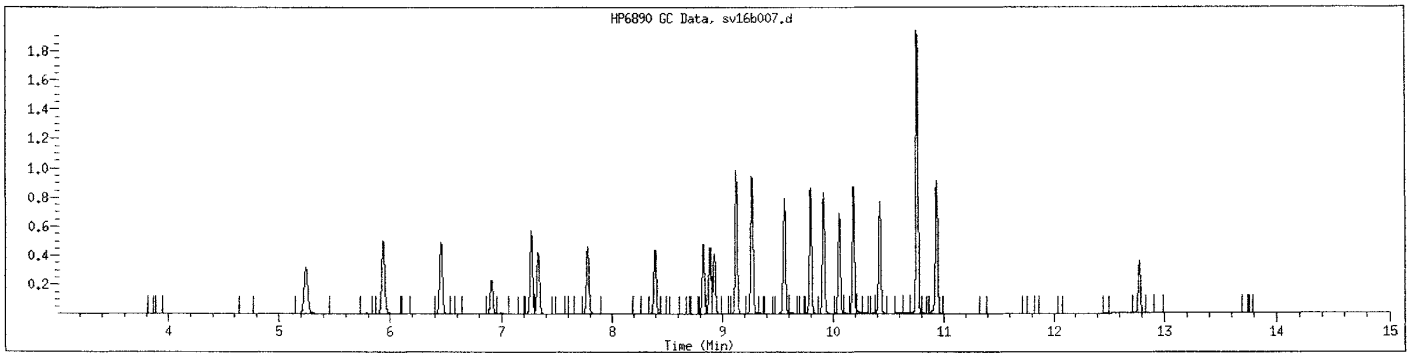

Data File: /var/chem/gcsv16b.i/20080529.b/sv16b007.d
Date : 29-MAY-2008 19:31
Client ID:
Sample Info: 1204*1 80
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M
Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32
/var/chem/gcsv16b.i/20080529.b/sv16b007.d
Y (x10^9)
Min
-Tetrachloro-m-xylene (5.247)
-alpha-BHC (5.936)
-gamma-BHC (Lindane) (6.450)
-beta-BHC (6.908)
-delta-BHC (7.263)
-Heptachlor (7.326)
-Aldrin (7.775)
-Heptachlor epoxide (8.394)
-gamma-Chlordane (8.827)
-Endosulfan I (8.926)
-4,4'-DDE (9.128)
-Dieldrin (9.268)
-Endrin (9.559)
-4,4'-DDD (9.797)
-Endosulfan II (9.915)
-Endrin aldehyde (10.057)
-4,4'-DDT (10.185)
-Endosulfan sulfate (10.423)
-Endrin ketone (10.938)
Methoxychlor (10.764)
-Decachlorobiphenyl (12.773)

171071

Data file : /var/chem/gcsv16b.i/2080529.b/sv16b007.d Page: 1
Report Date: 05/30/2008 10:56

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1204 SampleType : CALIB_4
Injection Date: 05/29/2008 19:31 Instrument : gcsv16b.i
Operator : tls
Sample Info : 1204*1 80
Misc Info :
Method : /var/chem/gcsv16b.i/2080529.b/pestXLB.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: 8081



NO MANUAL INTEGRATIONS

1000

171072

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b008.d
Report Date: 30-May-2008 10:56

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2080529.b/sv16b008.d
Lab Smp Id: 1205
Inj Date : 29-MAY-2008 19:50
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1205*1 80-22-8
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2080529.b/pestXLB.m
Meth Date : 30-May-2008 10:56 root Quant Type: ESTD
Cal Date : 30-MAY-2008 01:09 Cal File: sv16b025.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

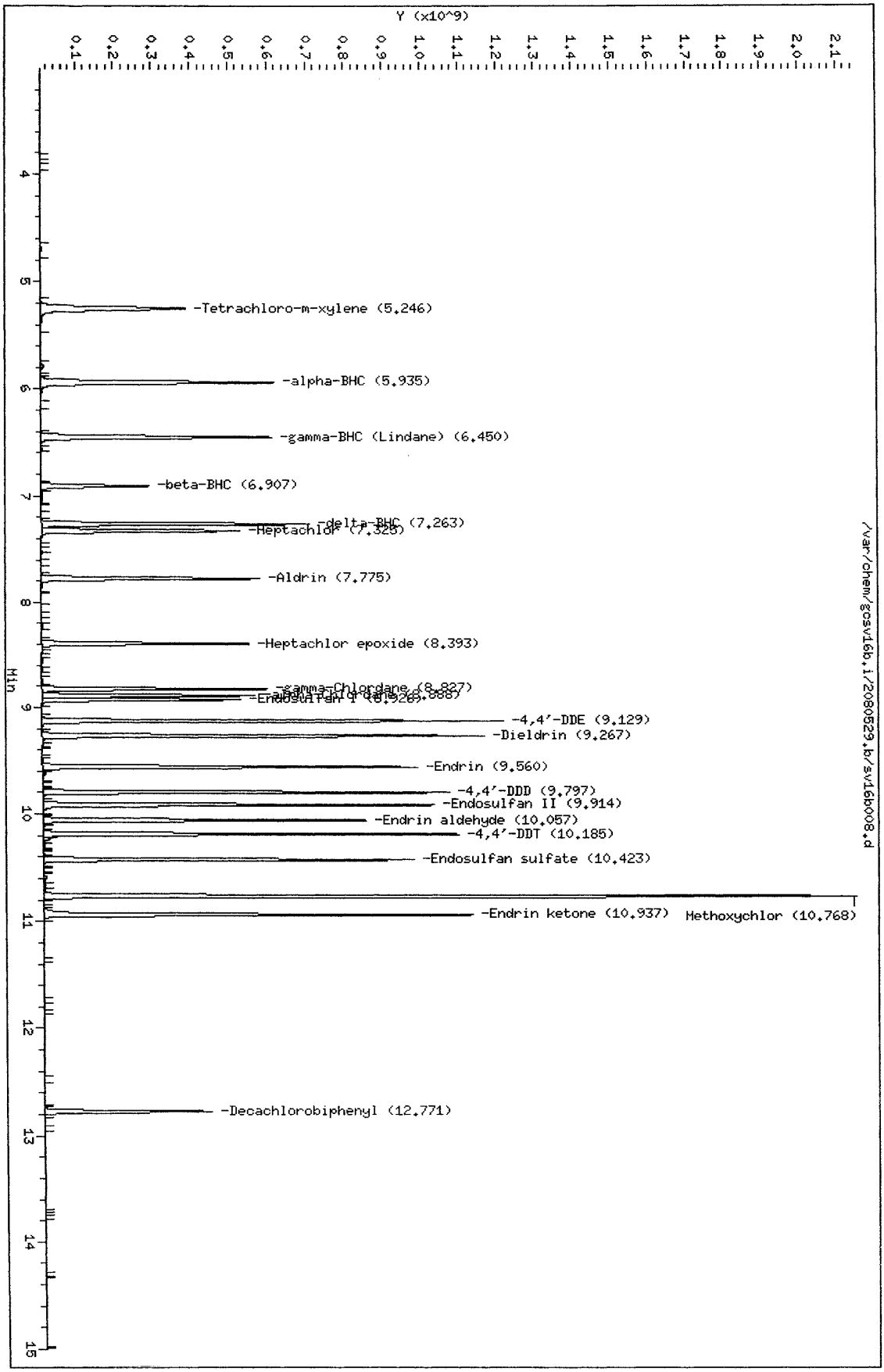
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	5.246	5.248	-0.002	940577107	100.000	99
2	alpha-BHC	5.935	5.936	-0.001	1238051372	100.000	100(A)
3	gamma-BHC (Lindane)	6.450	6.450	0.000	1101696990	100.000	100(A)
6	beta-BHC	6.907	6.908	-0.001	471771034	100.000	98
7	delta-BHC	7.263	7.262	0.001	1095541994	100.000	100(A)
4	Heptachlor	7.325	7.326	-0.001	887662634	100.000	100(A)
5	Aldrin	7.775	7.775	0.000	949017149	100.000	100
8	Heptachlor epoxide	8.393	8.392	0.001	836347087	100.000	97
10	gamma-Chlordane	8.827	8.827	0.000	865498466	100.000	100(A)
11	alpha-Chlordane	8.888	8.889	-0.001	816449696	100.000	100(A)
9	Endosulfan I	8.926	8.927	-0.001	771993039	100.000	100(A)
12	4,4'-DDE	9.129	9.128	0.001	1669482488	200.000	200
13	Dieldrin	9.267	9.268	-0.001	1720683355	200.000	200

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b008.d
Report Date: 30-May-2008 10:56

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.560	9.560	0.000	1436858322	200.000	200
15	4,4'-DDD	9.797	9.797	0.000	1435371690	200.000	200 (A)
16	Endosulfan II	9.914	9.913	0.001	1474438095	200.000	200
18	Endrin aldehyde	10.057	10.057	0.000	1206102038	200.000	200
17	4,4'-DDT	10.185	10.185	0.000	1449758672	200.000	210 (A)
20	Endosulfan sulfate	10.423	10.422	0.001	1330464963	200.000	200
19	Methoxychlor	10.768	10.764	0.004	3058527540	1000.00	1000 (A)
21	Endrin ketone	10.937	10.938	-0.001	1610827758	200.000	200 (A)
$ 22	Decachlorobiphenyl	12.771	12.772	-0.001	638566710	100.000	98

QC Flag Legend

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

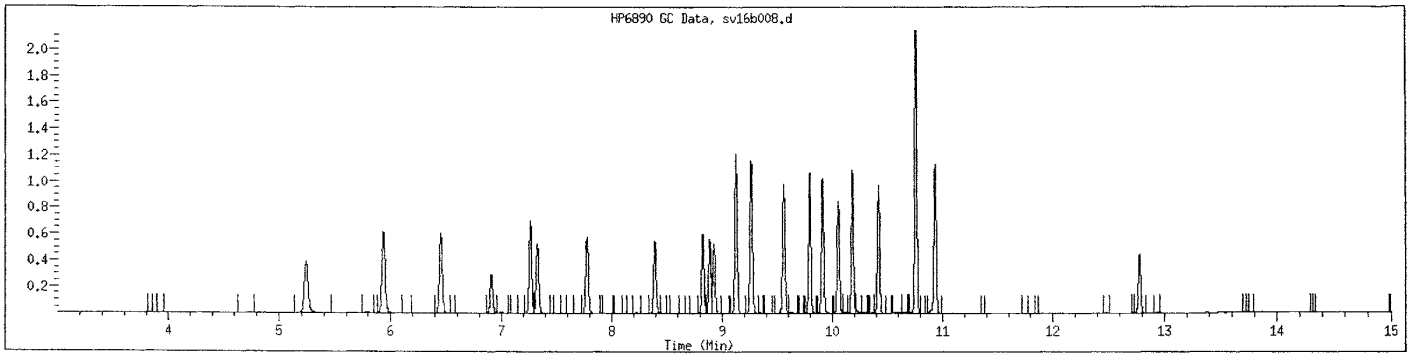

Data File: /var/chem/gcsv16b.i/20080529.b/sv16b008.d
Date : 29-MAY-2008 19:50
Client ID:
Sample Info: 1205x1 80-22-8
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M
Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32
Y (x10^9)
Min
/var/chem/gcsv16b.i/20080529.b/sv16b008.d
-Tetrachloro-m-xylene (5.246)
-alpha-BHC (5.935)
-gamma-BHC (Lindane) (6.450)
-beta-BHC (6.907)
-delta-BHC (7.263)
-Heptachlor (7.528)
-Aldrin (7.775)
-Heptachlor epoxide (8.393)
-gamma-Chlordane (8.827)
-Endosulfan I (8.888)
-4,4'-DDE (9.129)
-Dieldrin (9.267)
-Endrin (9.560)
-4,4'-DDD (9.797)
-Endosulfan II (9.914)
-Endrin aldehyde (10.057)
-4,4'-DDT (10.185)
-Endosulfan sulfate (10.423)
Methoxychlor (10.768)
-Endrin ketone (10.937)
-Decachlorobiphenyl (12.771)

171075

Data file : /var/chem/gcsv16b.i/2080529.b/sv16b008.d Page: 1
Report Date: 05/30/2008 10:56

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 05/29/2008 19:50	Instrument	: gcsv16b.i
Operator	: tls		
Sample Info	: 1205*1 80-22-8		
Misc Info	:		
Method	: /var/chem/gcsv16b.i/2080529.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

171076

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b010.d
Report Date: 30-May-2008 10:56

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2080529.b/sv16b010.d
Lab Smp Id: 1205
Inj Date : 29-MAY-2008 20:28
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1205*1 80-17-2
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2080529.b/pestXLB.m
Meth Date : 30-May-2008 10:56 root Quant Type: ESTD
Cal Date : 30-MAY-2008 01:09 Cal File: sv16b025.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)

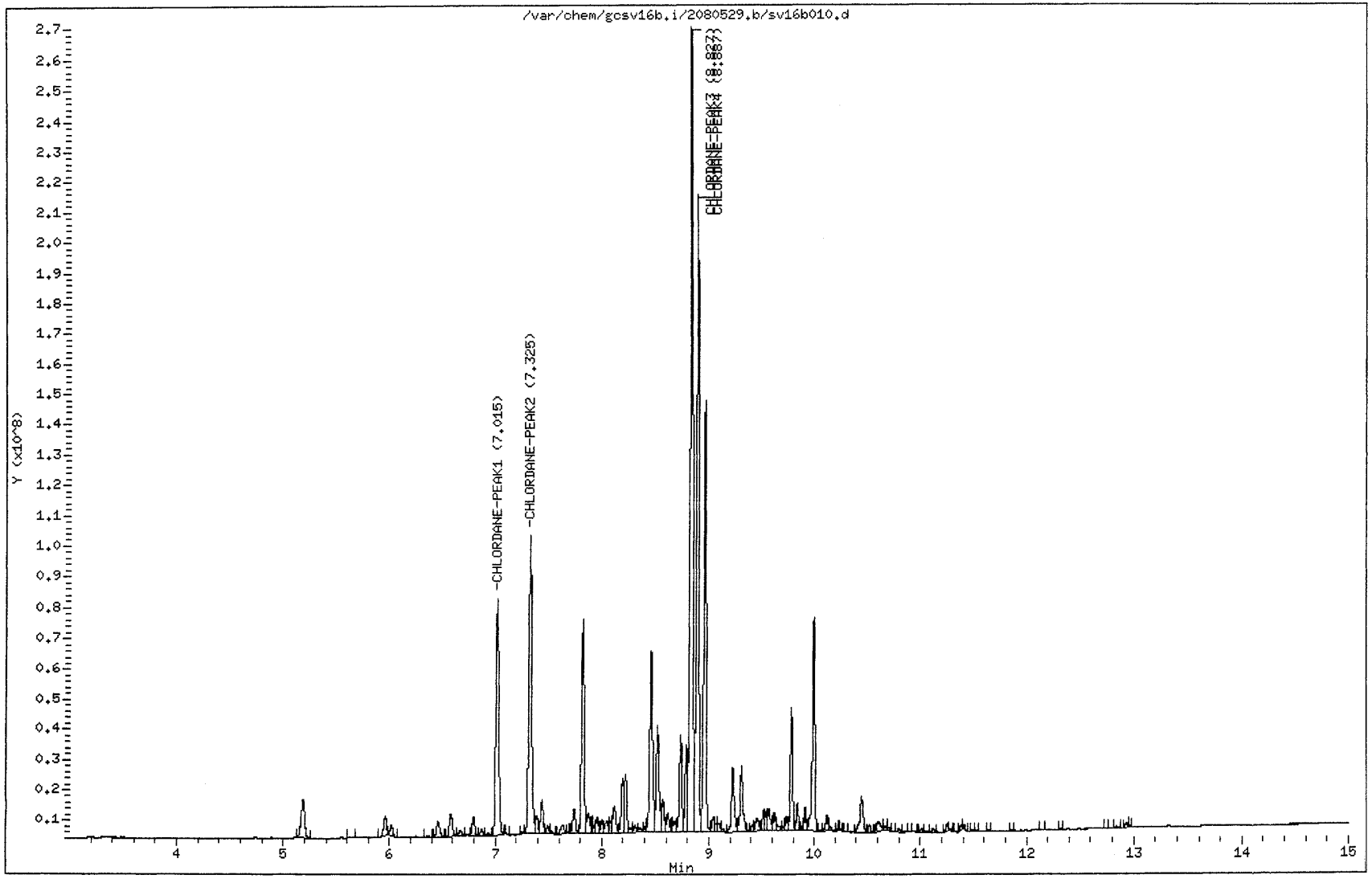
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	70 CHLORDANE-AVG				1084675186	400.000	400
	71 CHLORDANE-PEAK1	7.015	7.017	-0.002	144547010	400.000	400
	72 CHLORDANE-PEAK2	7.325	7.323	0.002	174495291	400.000	400
	73 CHLORDANE-PEAK3	8.827	8.828	-0.001	444994174	400.000	400
	74 CHLORDANE-PEAK4	8.887	8.888	-0.001	320638711	400.000	400

171077

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b010.d
Date : 29-MAY-2008 20:28
Client ID:
Sample Info: 1205x1 80-17-2
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32

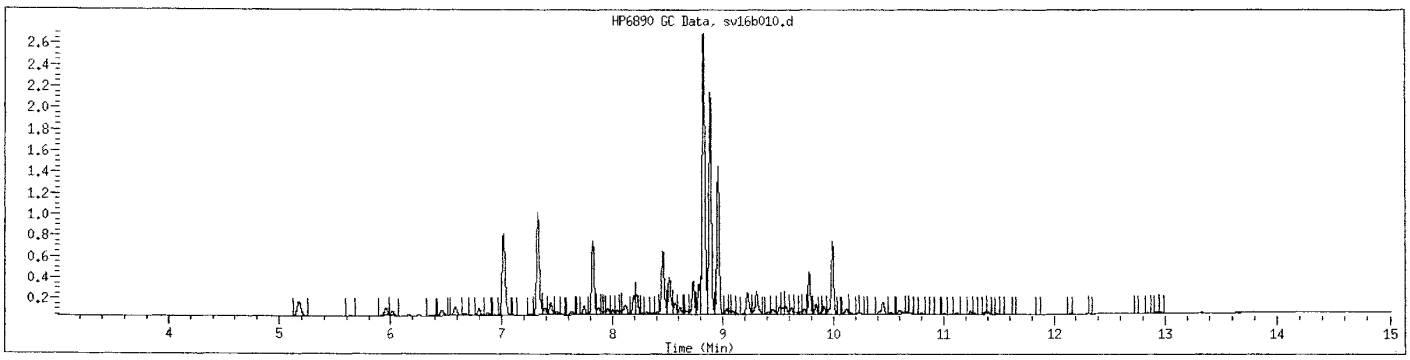


171078

Data file : /var/chem/gcsv16b.i/2080529.b/sv16b010.d Page: 1
Report Date: 05/30/2008 10:56

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1205 SampleType : CALIB_5
Injection Date: 05/29/2008 20:28 Instrument : gcsv16b.i
Operator : tls
Sample Info : 1205*1 80-17-2
Misc Info :
Method : /var/chem/gcsv16b.i/2080529.b/pestXLB.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: chlor



NO MANUAL INTEGRATIONS

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b011.d
Report Date: 30-May-2008 09:57

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2080529.b/sv16b011.d
Lab Smp Id: 1201
Inj Date : 29-MAY-2008 20:46
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1201*1 80-13-8
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2080529.b/pestXLB.m
Meth Date : 30-May-2008 09:57 root Quant Type: ESTD
Cal Date : 29-MAY-2008 20:46 Cal File: sv16b011.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	65 TOXAPHENE-AVG				210489861	250.000		(a)
	66 TOXAPHENE-PEAK1	9.964	9.962	0.002	38505074	250.000		(a)
	67 TOXAPHENE-PEAK2	10.550	10.550	0.000	52557399	250.000		(a)
	68 TOXAPHENE-PEAK3	11.437	11.439	-0.002	60594655	250.000		(a)
	69 TOXAPHENE-PEAK4	11.594	11.592	0.002	58832733	250.000		(a)

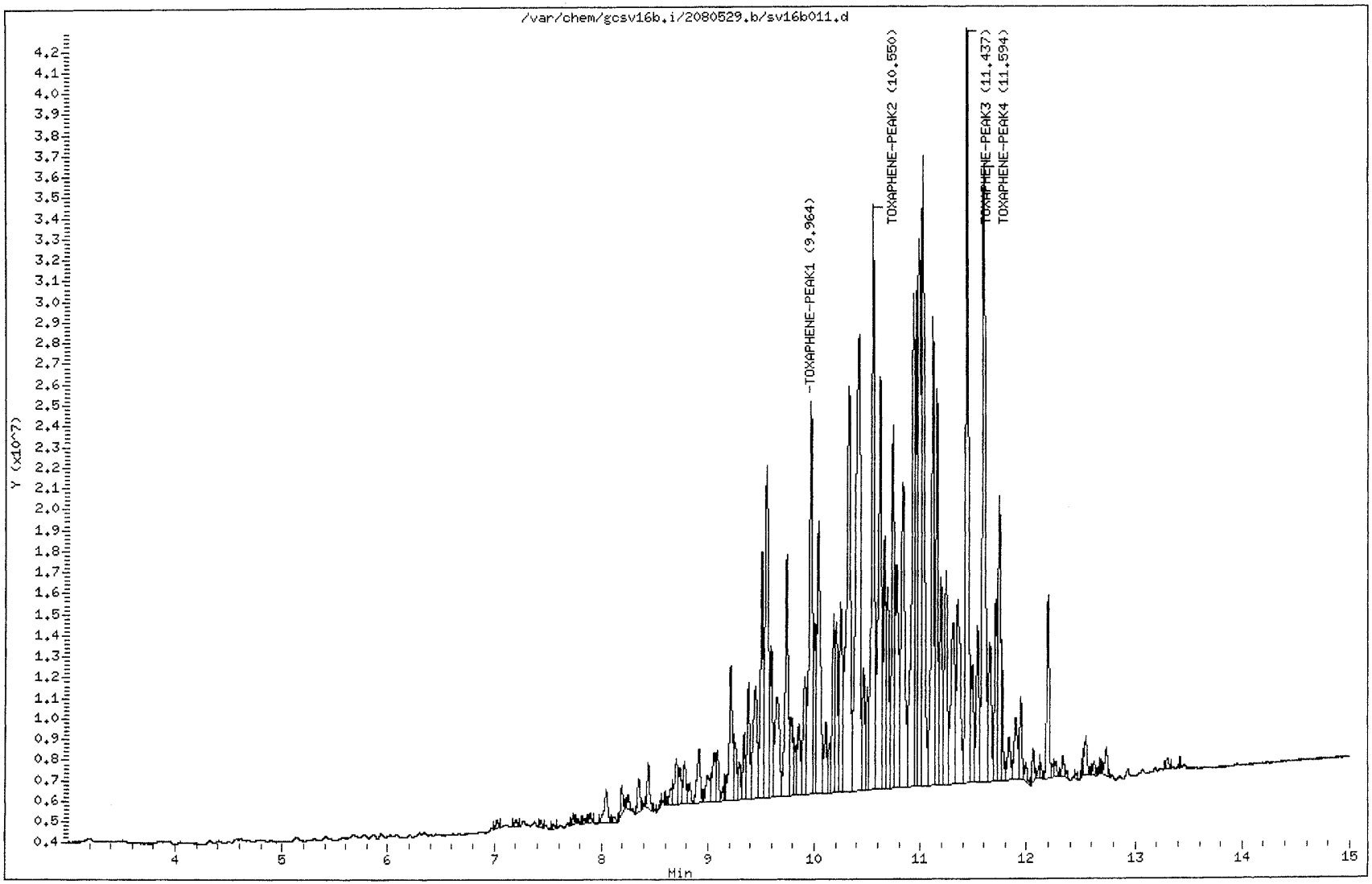
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b011.d
Date : 29-MAY-2008 20:46
Client ID:
Sample Info: 1201*1 80-13-8
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

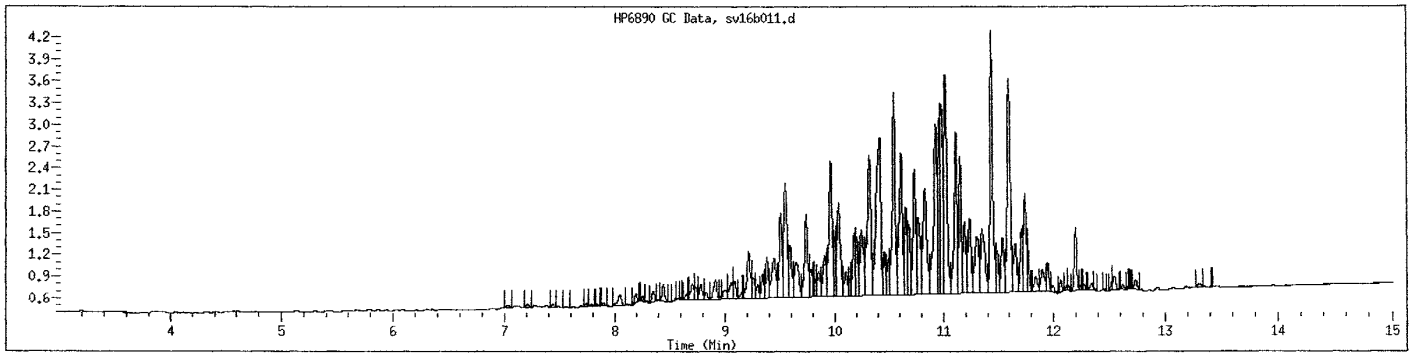
Instrument: gcsv16b.i

Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1201	SampleType	: CALIB_1
Injection Date	: 05/29/2008 20:46	Instrument	: gcsv16b.i
Operator	: tls		
Sample Info	: 1201*1 80-13-8		
Misc Info	:		
Method	: /var/chem/gcsv16b.i/2080529.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: tox



NO MANUAL INTEGRATIONS

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b012.d
Report Date: 30-May-2008 10:56

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2080529.b/sv16b012.d
Lab Smp Id: 1205
Inj Date : 29-MAY-2008 21:06
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1205*1 80-13-8
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2080529.b/pestXLB.m
Meth Date : 30-May-2008 10:56 root Quant Type: ESTD
Cal Date : 30-MAY-2008 01:09 Cal File: sv16b025.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

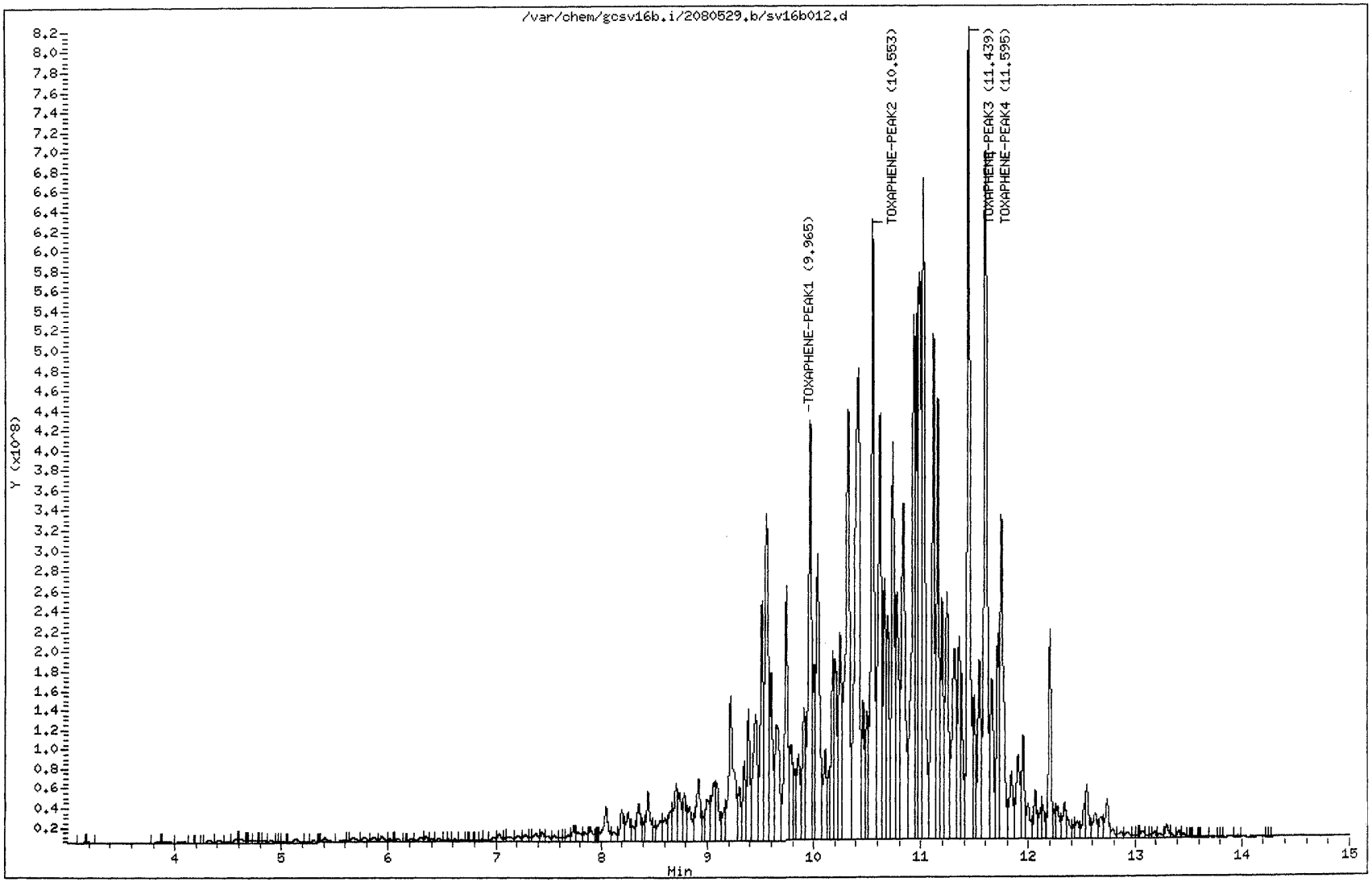
						AMOUNTS	
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (UG/L)	ON-COL (UG/L)
M	65 TOXAPHENE-AVG				4927224532	5000.00	5000
	66 TOXAPHENE-PEAK1	9.965	9.964	0.001	884587056	5000.00	5000
	67 TOXAPHENE-PEAK2	10.553	10.551	0.002	1230795910	5000.00	5000
	68 TOXAPHENE-PEAK3	11.439	11.439	0.000	1404699260	5000.00	5000
	69 TOXAPHENE-PEAK4	11.595	11.594	0.001	1407142306	5000.00	5000

171083

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b012.d
Date : 29-MAY-2008 21:06
Client ID:
Sample Info: 1205x1 80-13-8
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv16b.i

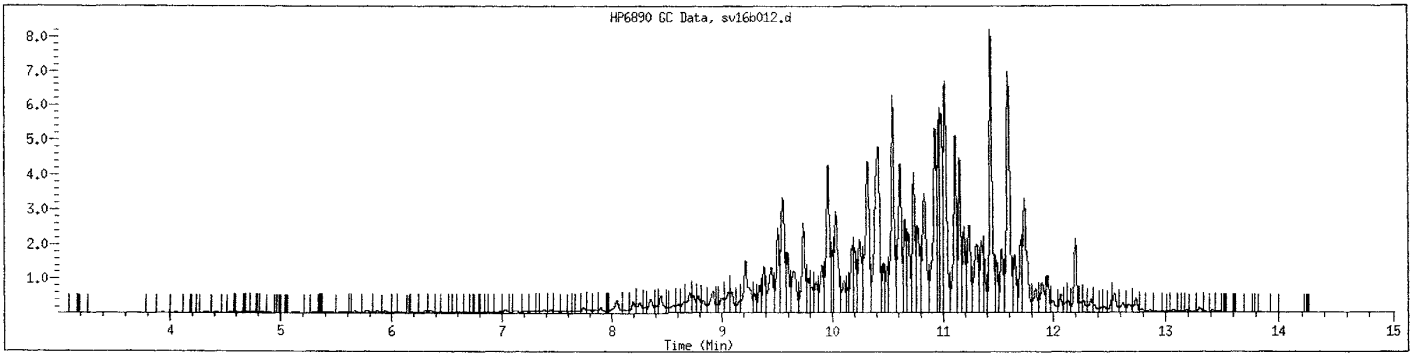
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16b.i/2080529.b/sv16b012.d Page: 1
Report Date: 05/30/2008 10:56

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 05/29/2008 21:06	Instrument	: gcsv16b.i
Operator	: tls		
Sample Info	: 1205*1 80-13-8		
Misc Info	:		
Method	: /var/chem/gcsv16b.i/2080529.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: tox



NO MANUAL INTEGRATIONS

1013

171085

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b009.d
Report Date: 30-May-2008 09:56

GCAL, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 1600
Level: LOW
Data Type: GC MULTI COMP
SpikeList File: 8081icv.spk
Sublist File: 8081.sub
Method File: /var/chem/gcsv16b.i/2080529.b/pestXLB.m
Misc Info:

Client SDG: 2080529
Fraction: SV

Operator: tls
SampleType: LCS
Quant Type: ESTD

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
2 alpha-BHC	60	61	100.97	80-120
3 gamma-BHC (Lindane)	60	60	99.86	80-120
6 beta-BHC	60	60	100.31	80-120
4 Heptachlor	60	60	100.51	80-120
7 delta-BHC	60	61	101.44	80-120
5 Aldrin	60	61	101.02	80-120
8 Heptachlor epoxide	60	60	99.37	80-120
10 gamma-Chlordane	60	59	98.38	80-120
11 alpha-Chlordane	60	59	98.16	80-120
9 Endosulfan I	60	60	100.49	80-120
12 4,4'-DDE	60	61	102.03	80-120
13 Dieldrin	60	61	102.35	80-120
14 Endrin	60	62	102.71	80-120
15 4,4'-DDD	60	62	103.30	80-120
16 Endosulfan II	60	60	100.33	80-120
17 4,4'-DDT	60	57	94.33	80-120
18 Endrin aldehyde	60	58	96.71	80-120
20 Endosulfan sulfate	60	60	100.46	80-120
19 Methoxychlor	60	61	101.23	80-120
21 Endrin ketone	60	63	105.53	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

171086

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b009.d
Report Date: 30-May-2008 09:56

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2080529.b/sv16b009.d
Lab Smp Id: 1600
Inj Date : 29-MAY-2008 20:09
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1600*1 80-14-5
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2080529.b/pestXLB.m
Meth Date : 30-May-2008 09:56 root Quant Type: ESTD
Cal Date : 29-MAY-2008 19:50 Cal File: sv16b008.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

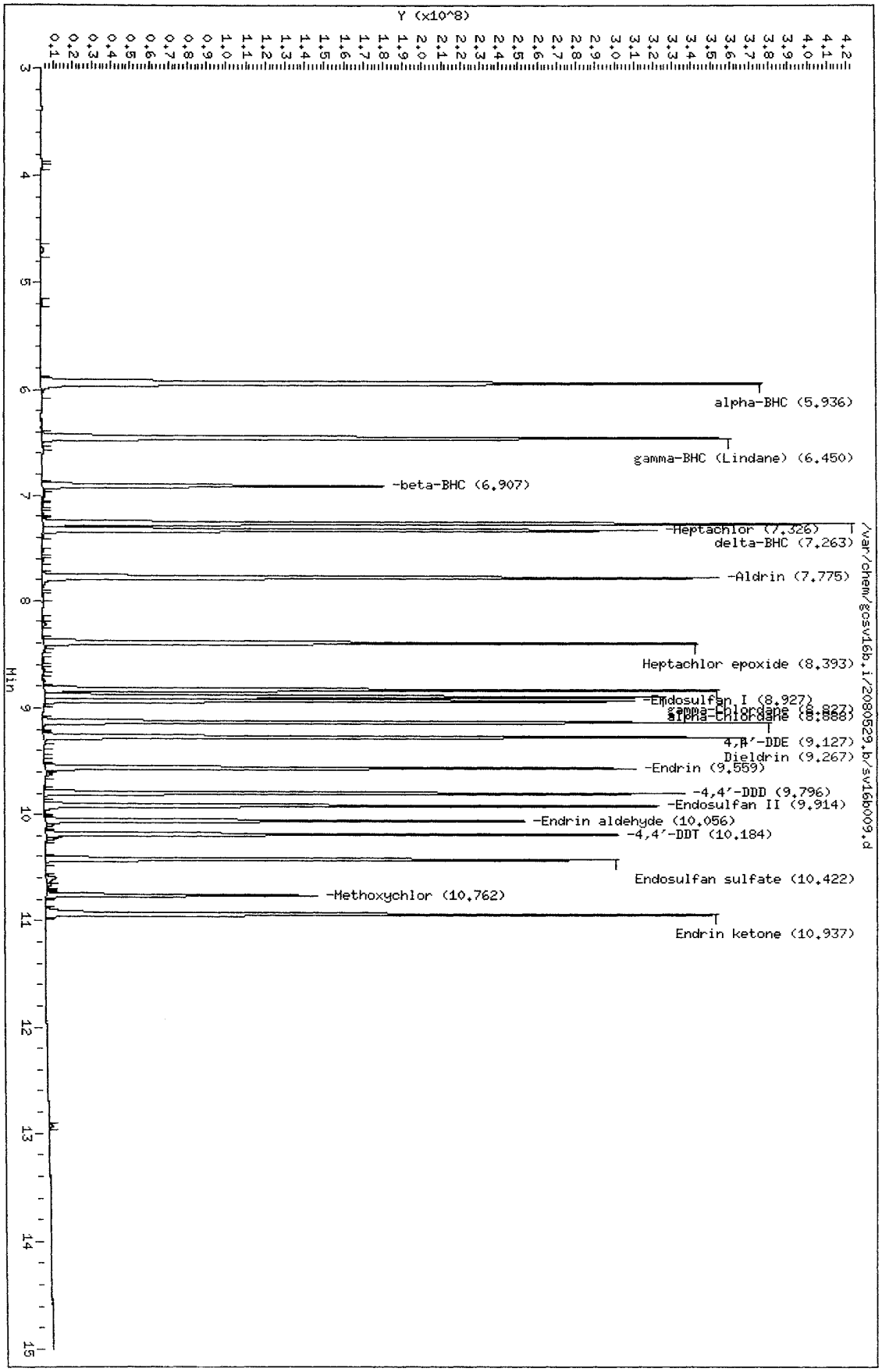
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
2 alpha-BHC	5.936	5.937	-0.001	749083657	60.5837	61
3 gamma-BHC (Lindane)	6.450	6.450	0.000	651043723	59.9139	60
6 beta-BHC	6.907	6.908	-0.001	288279814	60.1873	60
7 delta-BHC	7.263	7.261	0.002	650564603	60.8662	61
4 Heptachlor	7.326	7.326	0.000	530066266	60.3076	60
5 Aldrin	7.775	7.775	0.000	576306016	60.6128	61
8 Heptachlor epoxide	8.393	8.391	0.002	511818199	59.6192	60
10 gamma-Chlordane	8.827	8.827	0.000	506571842	59.0252	59
11 alpha-Chlordane	8.888	8.889	-0.001	465741674	58.8987	59
9 Endosulfan I	8.927	8.928	-0.001	460095639	60.2953	60
12 4,4'-DDE	9.127	9.129	-0.002	513746994	61.2207	61
13 Dieldrin	9.267	9.268	-0.001	533239689	61.4106	61
14 Endrin	9.559	9.560	-0.001	443807126	61.6272	62

171087

Data File: /var/chem/gcsv16b.i/2080529.b/sv16b009.d
Report Date: 30-May-2008 09:56

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
15 4,4'-DDD	9.796	9.797	-0.001	442135431	61.9776	62
16 Endosulfan II	9.914	9.913	0.001	452395500	60.1974	60
18 Endrin aldehyde	10.056	10.058	-0.002	351764503	58.0265	58
17 4,4'-DDT	10.184	10.184	0.000	391673910	56.6002	57
20 Endosulfan sulfate	10.422	10.421	0.001	403687973	60.2786	60
19 Methoxychlor	10.762	10.763	-0.001	184104839	60.7386	61
21 Endrin ketone	10.937	10.938	-0.001	504725894	63.3167	63

171088

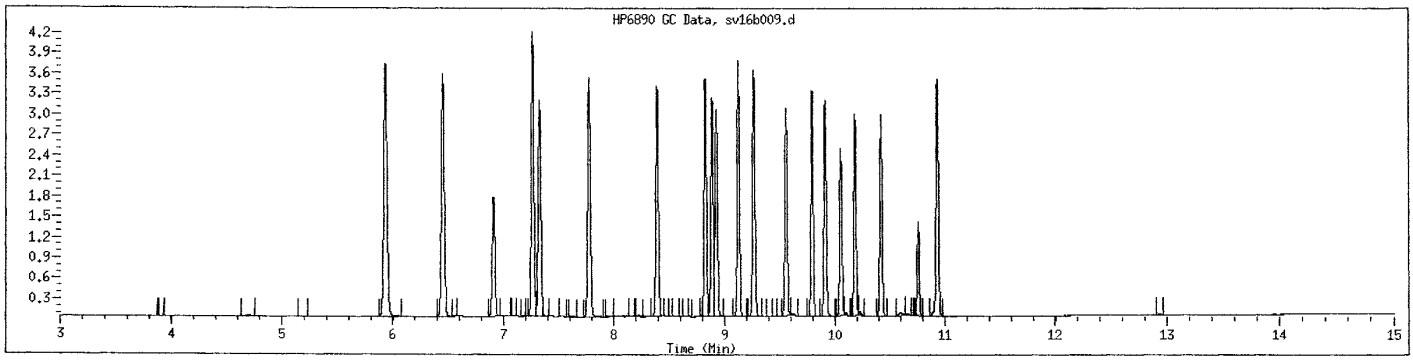

Data File: /var/chem/gcsv16b.i/20080529.b/sv16b009.d
Date : 29-MAY-2008 20:09
Client ID:
Sample Info: 1600x1 80-14-5
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M
Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
Min
/var/chem/gcsv16b.i/20080529.b/sv16b009.d
alpha-BHC (5.936)
gamma-BHC (Lindane) (6.450)
-beta-BHC (6.907)
-Heptachlor (7.326)
delta-BHC (7.263)
-Aldrin (7.775)
Heptachlor epoxide (8.393)
-Endosulfan I (8.927)
gamma-Chlordane (8.827)
alpha-Chlordane (8.888)
4,4'-DDE (9.127)
Dieldrin (9.267)
-Endrin (9.559)
-4,4'-DDD (9.796)
-Endosulfan II (9.914)
-Endrin aldehyde (10.056)
-4,4'-DDT (10.184)
Endosulfan sulfate (10.422)
-Methoxychlor (10.762)
Endrin ketone (10.937)

171089

Data file : /var/chem/gcsv16b.i/2080529.b/sv16b009.d
Report Date: 05/30/2008 09:56

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 05/29/2008 20:09	Instrument	: gcsv16b.i
Operator	: tls		
Sample Info	: 1600*1 80-14-5		
Misc Info	:		
Method	: /var/chem/gcsv16b.i/2080529.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081



NO MANUAL INTEGRATIONS

171090

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

$$\frac{2642268 + 3842640}{2642268 + 3842640 + 518915928} \times 100 = 1.2\ \%$$

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

$$\frac{41437924 + 6253913}{41437924 + 6253913 + 637290491} \times 100 = 7.0\ \%$$

Endrin Breakdown: Criteria < 15%

Data File: /var/chem/gcsv16b.i/2080609.b/sv16b002.d
Report Date: 09-Jun-2008 12:13

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2080609.b/sv16b002.d
Lab Smp Id: deg
Inj Date : 09-JUN-2008 11:04
Operator : tls Inst ID: gcsv16b.i
Smp Info : deg*1 80-19-6
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2080609.b/pestXLB.m
Meth Date : 09-Jun-2008 12:01 root Quant Type: ESTD
Cal Date : 30-MAY-2008 01:09 Cal File: sv16b025.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

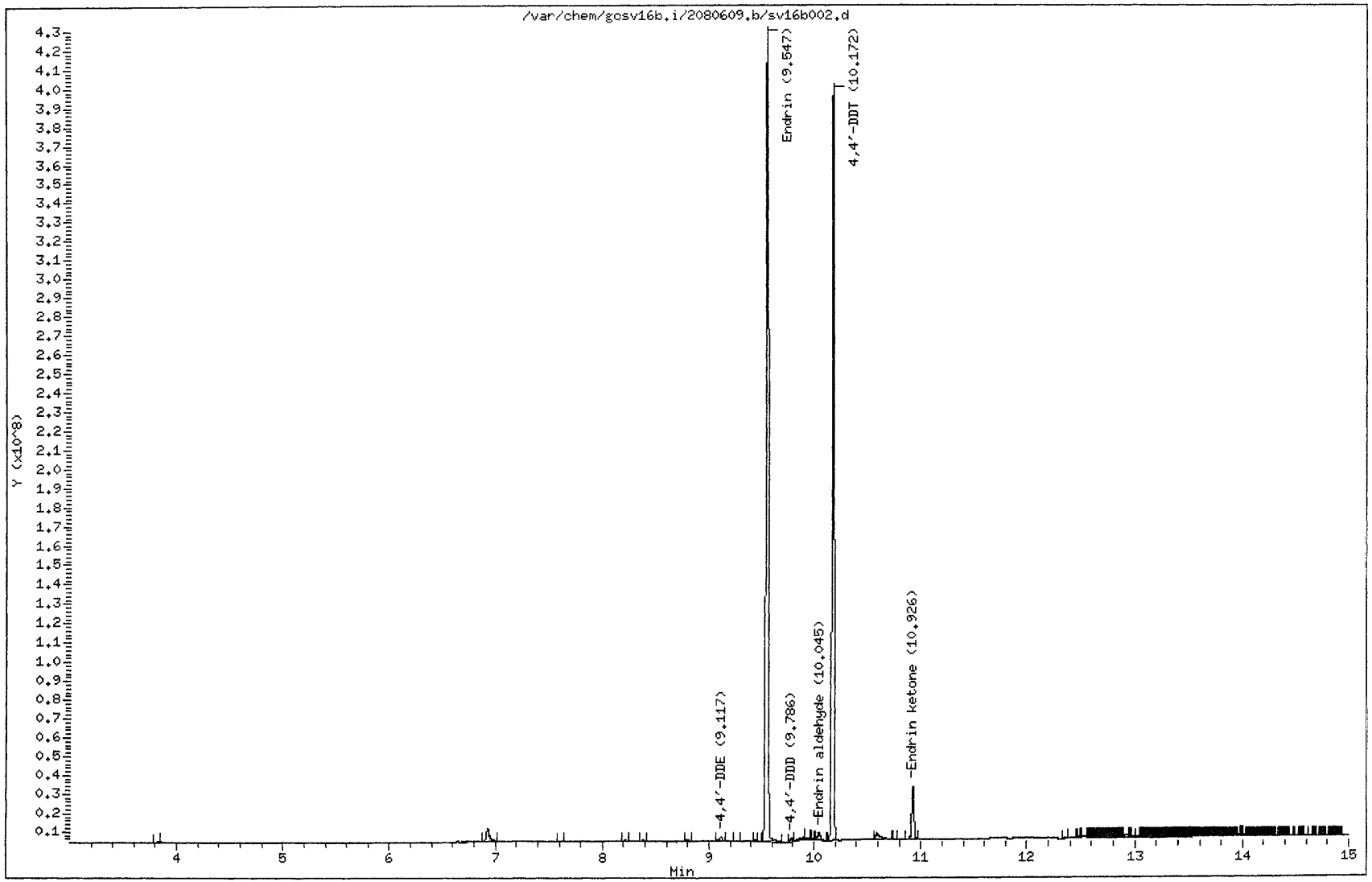
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

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	9.117	9.127	-0.010	3842640	0.45791	0.0046
15 4,4'-DDD	9.786	9.795	-0.009	2642268	0.37039	0.0037
17 4,4'-DDT	10.172	10.183	-0.011	518915928	74.9877	0.75
18 Endrin aldehyde	10.045	10.056	-0.011	6253913	1.03163	0.010
21 Endrin ketone	10.926	10.936	-0.010	41437924	5.19830	0.052
14 Endrin	9.547	9.558	-0.011	637290491	88.4944	0.88

Data File: /var/chem/gcsv16b.i/2080609.b/sv16b002.d
Date : 09-JUN-2008 11:04
Client ID:
Sample Info: deg*1 80-19-6
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

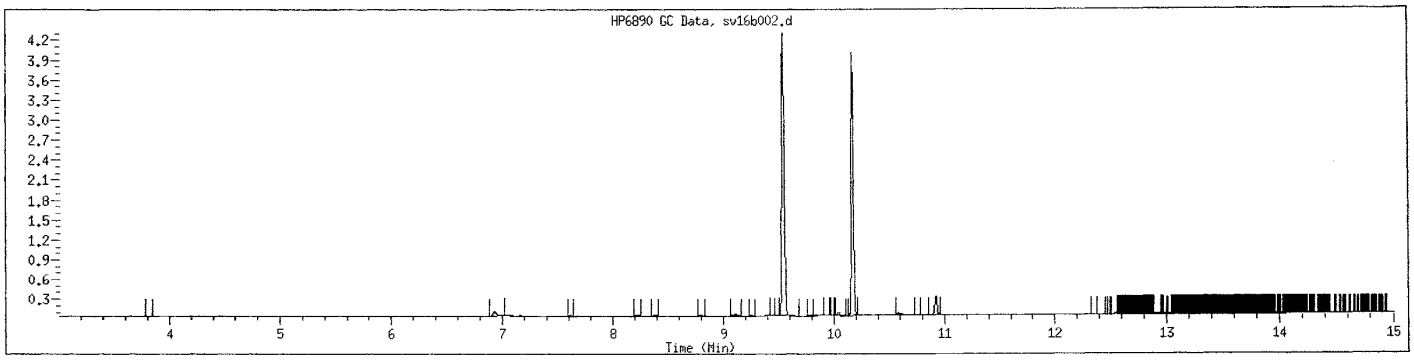
Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16b.i/2080609.b/sv16b002.d
Report Date: 06/09/2008 12:13

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: deg	SampleType	: SAMPLE
Injection Date	: 06/09/2008 11:04	Instrument	: gcsv16b.i
Operator	: tls		
Sample Info	: deg*1 80-19-6		
Misc Info	:		
Method	: /var/chem/gcsv16b.i/2080609.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: deg



NO MANUAL INTEGRATIONS

171094

Data File: /var/chem/gcsv16b.i/2080609.b/sv16b005.d
Report Date: 09-Jun-2008 14:34

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16b.i Injection Date: 09-JUN-2008 12:55
Lab File ID: sv16b005.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 18:16 01:09
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16b.i/2080609.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	MIN %D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	9500237	10388092	0.010	-9.34561	20.00000	Averaged	
2 alpha-BHC	12364438	13828618	0.010	-11.84186	20.00000	Averaged	
3 gamma-BHC (Lindane)	10866313	12670763	0.010	-16.60591	20.00000	Averaged	
6 beta-BHC	4789710	5596217	0.010	-16.83833	20.00000	Averaged	
7 delta-BHC	10688432	12528981	0.010	-17.22001	20.00000	Averaged	
4 Heptachlor	8789376	9927428	0.010	-12.94804	20.00000	Averaged	
5 Aldrin	9507997	10449914	0.010	-9.90657	20.00000	Averaged	
8 Heptachlor epoxide	8584787	9107148	0.010	-6.08473	20.00000	Averaged	
10 gamma-Chlordane	8582294	9652878	0.010	-12.47434	20.00000	Averaged	
11 alpha-Chlordane	7907510	9309885	0.010	-17.73473	20.00000	Averaged	
9 Endosulfan I	7630701	8422457	0.010	-10.37593	20.00000	Averaged	
12 4,4'-DDE	8391718	9276332	0.010	-10.54152	20.00000	Averaged	
13 Dieldrin	8683187	9195883	0.010	-5.90447	20.00000	Averaged	
14 Endrin	7201479	8092139	0.010	-12.36774	20.00000	Averaged	
15 4,4'-DDD	7133789	7896249	0.010	-10.68801	20.00000	Averaged	
16 Endosulfan II	7515203	7819603	0.010	-4.05045	20.00000	Averaged	
18 Endrin aldehyde	6062139	6433264	0.010	-6.12201	20.00000	Averaged	
17 4,4'-DDT	6920012	8305170	0.010	-20.01670	20.00000	Averaged	<-
20 Endosulfan sulfate	6697034	6900980	0.010	-3.04532	20.00000	Averaged	
19 Methoxychlor	3031101	3613879	0.010	-19.22664	20.00000	Averaged	
21 Endrin ketone	7971444	8306493	0.010	-4.20311	20.00000	Averaged	
$ 22 Decachlorobiphenyl	6534334	6826987	0.010	-4.47869	20.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 11.00094
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv16b.i/2080609.b/sv16b005.d
Report Date: 09-Jun-2008 14:34

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2080609.b/sv16b005.d
Lab Smp Id: 1400
Inj Date : 09-JUN-2008 12:55
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1400*1 80 22-8
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2080609.b/pestXLB.m
Meth Date : 09-Jun-2008 14:34 root Quant Type: ESTD
Cal Date : 30-MAY-2008 01:09 Cal File: sv16b025.d
Als bottle: 5 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	5.238	5.246	-0.008	623285508	60.0000	66(M2)
2	alpha-BHC	5.926	5.935	-0.009	829717079	60.0000	67(M2)
3	gamma-BHC (Lindane)	6.441	6.448	-0.007	760245794	60.0000	70(M2)
6	beta-BHC	6.899	6.907	-0.008	335773000	60.0000	70
7	delta-BHC	7.254	7.260	-0.006	751738844	60.0000	70
4	Heptachlor	7.314	7.324	-0.010	595645666	60.0000	68(M2)
5	Aldrin	7.764	7.773	-0.009	626994828	60.0000	66
8	Heptachlor epoxide	8.382	8.390	-0.008	546428908	60.0000	64
10	gamma-Chlordane	8.815	8.825	-0.010	579172673	60.0000	67
11	alpha-Chlordane	8.877	8.887	-0.010	558593087	60.0000	71
9	Endosulfan I	8.914	8.925	-0.011	505347405	60.0000	66
12	4,4'-DDE	9.117	9.127	-0.010	1113159877	120.000	130
13	Dieldrin	9.256	9.266	-0.010	1103505926	120.000	130

171096

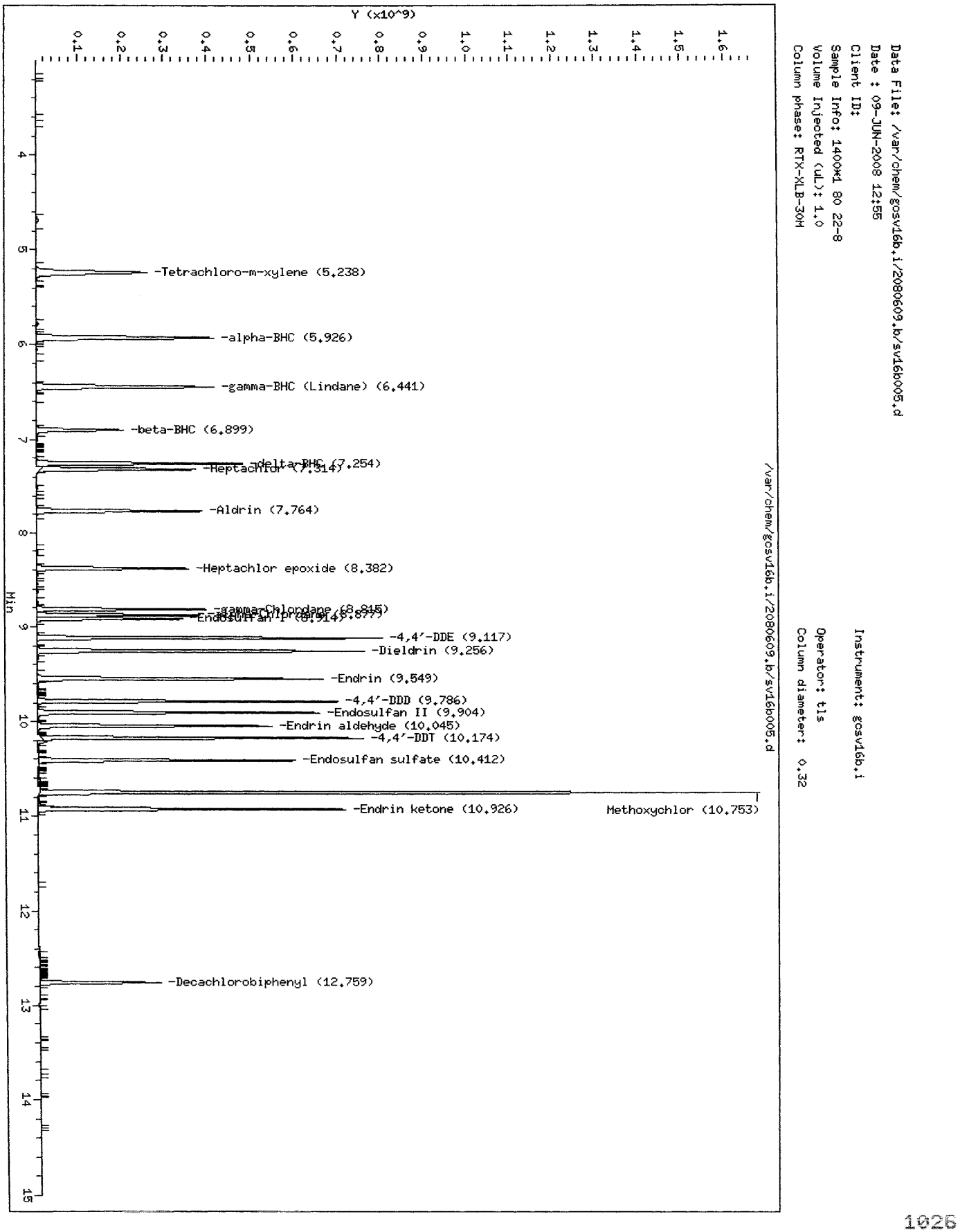
Data File: /var/chem/gcsv16b.i/2080609.b/sv16b005.d
Report Date: 09-Jun-2008 14:34

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	ON-COL (UG/L)
	14 Endrin	9.549	9.558	-0.009	971056650	120.000	130
	15 4,4'-DDD	9.786	9.795	-0.009	947549868	120.000	130
	16 Endosulfan II	9.904	9.912	-0.008	938352372	120.000	120
	18 Endrin aldehyde	10.045	10.056	-0.011	771991624	120.000	130
	17 4,4'-DDT	10.174	10.183	-0.009	996620352	120.000	140 (M2)
	20 Endosulfan sulfate	10.412	10.420	-0.008	828117553	120.000	120 (M2)
	19 Methoxychlor	10.753	10.762	-0.009	2168327488	600.000	720 (M2)
	21 Endrin ketone	10.926	10.936	-0.010	996779143	120.000	130
$	22 Decachlorobiphenyl	12.759	12.769	-0.010	409619197	60.0000	63

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

171097


Data File: /var/chem/gcsv16b.i/20080609.b/sv16b005.d
Date : 09-JUN-2008 12:55
Client ID:
Sample Info: 1400*1 80 22-8
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M
Instrument: gcsv16b.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
1.3
1.4
1.5
1.6
Min
4
5
6
7
8
9
10
11
12
13
14
15
-Tetrachloro-m-xylene (5.238)
-alpha-BHC (5.926)
-gamma-BHC (Lindane) (6.441)
-beta-BHC (6.899)
-delta-BHC (7.254)
-Heptachlor (7.314)
-Aldrin (7.764)
-Heptachlor epoxide (8.382)
-gammaChlordane (8.815)
-4,4'-DDE (9.117)
-Dieldrin (9.256)
-Endrin (9.549)
-4,4'-DDD (9.786)
-Endosulfan II (9.904)
-Endrin aldehyde (10.045)
-4,4'-DDT (10.174)
-Endosulfan sulfate (10.412)
-Endrin ketone (10.926)
Methoxychlor (10.753)
-Decachlorobiphenyl (12.759)
/var/chem/gcsv16b.i/20080609.b/sv16b005.d

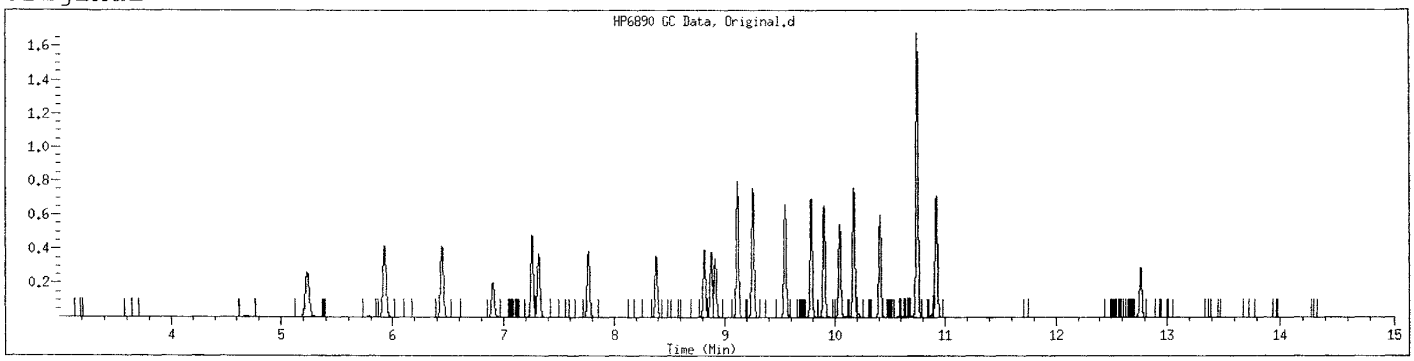
171098

Data file : /var/chem/gcsv16b.i/2080609.b/sv16b005.d Page: 1
Report Date: 06/09/2008 14:34

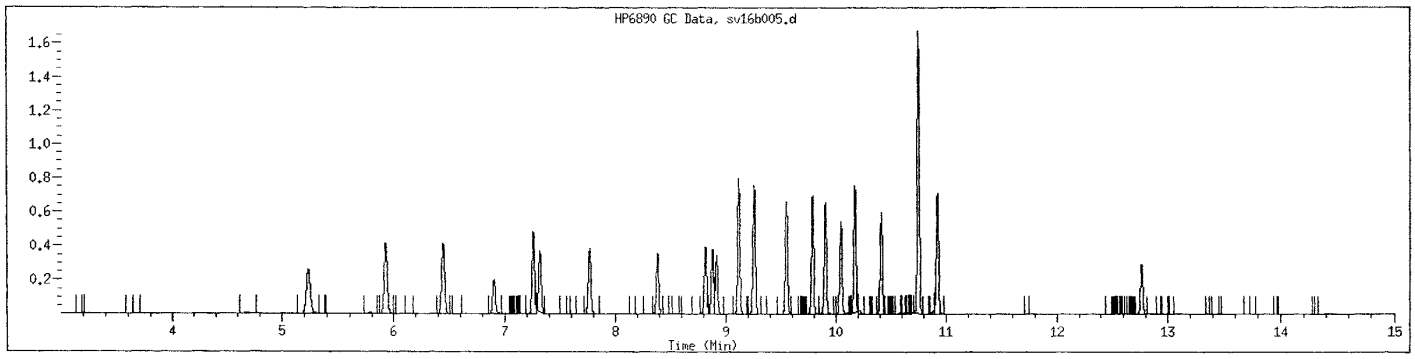
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/09/2008 12:55	Instrument	: gcsv16b.i
Operator	: tls		
Sample Info	: 1400*1 80 22-8		
Misc Info	:		
Method	: /var/chem/gcsv16b.i/2080609.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



1027

171099

Data File: /var/chem/gcsv16b.i/2080609.b/sv16b009.d
Report Date: 09-Jun-2008 17:23

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16b.i Injection Date: 09-JUN-2008 15:42
Lab File ID: sv16b009.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 18:16 01:09
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16b.i/2080609.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	9500237	10627479	0.010	-11.86541	20.00000	Averaged
2 alpha-BHC	12364438	13976197	0.010	-13.03544	20.00000	Averaged
3 gamma-BHC (Lindane)	10866313	12820880	0.010	-17.98740	20.00000	Averaged
6 beta-BHC	4789710	5684801	0.010	-18.68780	20.00000	Averaged
7 delta-BHC	10688432	12708604	0.010	-18.90055	20.00000	Averaged
4 Heptachlor	8789376	9806861	0.010	-11.57631	20.00000	Averaged
5 Aldrin	9507997	10680897	0.010	-12.33593	20.00000	Averaged
8 Heptachlor epoxide	8584787	9529628	0.010	-11.00599	20.00000	Averaged
10 gamma-Chlordane	8582294	10078687	0.010	-17.43582	20.00000	Averaged
11 alpha-Chlordane	7907510	9359619	0.010	-18.36367	20.00000	Averaged
9 Endosulfan I	7630701	8672001	0.010	-13.64620	20.00000	Averaged
12 4,4'-DDE	8391718	9371160	0.010	-11.67154	20.00000	Averaged
13 Dieldrin	8683187	9243524	0.010	-6.45313	20.00000	Averaged
14 Endrin	7201479	8244438	0.010	-14.48258	20.00000	Averaged
15 4,4'-DDD	7133789	8375572	0.010	-17.40705	20.00000	Averaged
16 Endosulfan II	7515203	7919139	0.010	-5.37491	20.00000	Averaged
18 Endrin aldehyde	6062139	6570825	0.010	-8.39119	20.00000	Averaged
17 4,4'-DDT	6920012	7121636	0.010	-2.91363	20.00000	Averaged
20 Endosulfan sulfate	6697034	7336796	0.010	-9.55292	20.00000	Averaged
19 Methoxychlor	3031101	3308266	0.010	-9.14406	20.00000	Averaged
21 Endrin ketone	7971444	8808404	0.010	-10.49948	20.00000	Averaged
$ 22 Decachlorobiphenyl	6534334	6903882	0.010	-5.65547	20.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 12.10848
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv16b.i/2080609.b/sv16b009.d
Report Date: 09-Jun-2008 17:23

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2080609.b/sv16b009.d
Lab Smp Id: 1400
Inj Date : 09-JUN-2008 15:42
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1400*1 80-22-8
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2080609.b/pestXLB.m
Meth Date : 09-Jun-2008 17:23 root Quant Type: ESTD
Cal Date : 30-MAY-2008 01:09 Cal File: sv16b025.d
Als bottle: 9 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

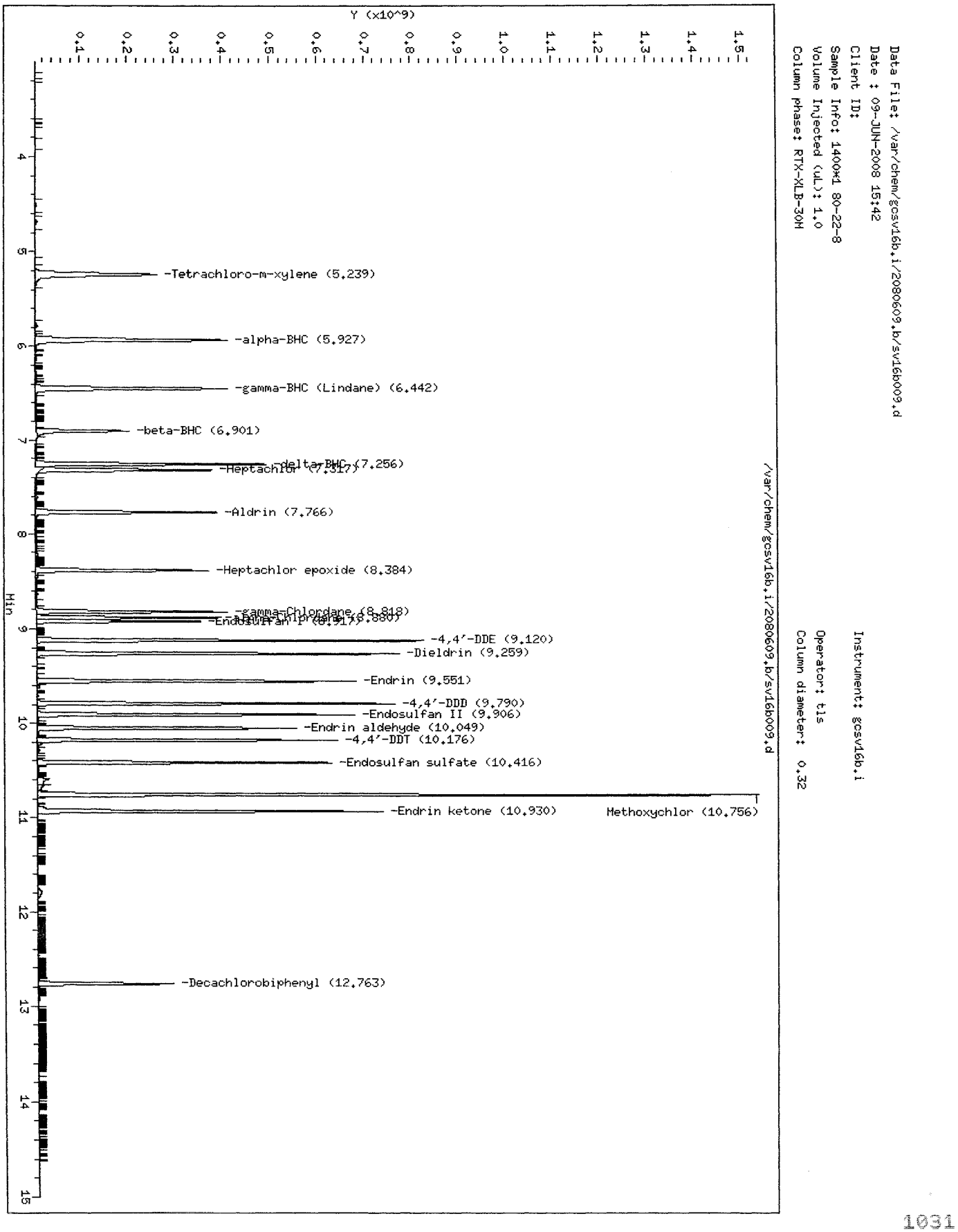
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	5.239	5.246	-0.007	637648735	60.0000	67
2	alpha-BHC	5.927	5.935	-0.008	838571840	60.0000	68
3	gamma-BHC (Lindane)	6.442	6.449	-0.007	769252827	60.0000	71
6	beta-BHC	6.901	6.907	-0.006	341088044	60.0000	71(M2)
7	delta-BHC	7.256	7.261	-0.005	762516265	60.0000	71
4	Heptachlor	7.317	7.324	-0.007	588411670	60.0000	67(M2)
5	Aldrin	7.766	7.773	-0.007	640853816	60.0000	67
8	Heptachlor epoxide	8.384	8.390	-0.006	571777672	60.0000	67
10	gamma-Chlordane	8.818	8.825	-0.007	604721226	60.0000	70
11	alpha-Chlordane	8.880	8.887	-0.007	561577112	60.0000	71
9	Endosulfan I	8.917	8.926	-0.009	520320048	60.0000	68
12	4,4'-DDE	9.120	9.127	-0.007	1124539217	120.000	130
13	Dieldrin	9.259	9.266	-0.007	1109222905	120.000	130

Data File: /var/chem/gcsv16b.i/2080609.b/sv16b009.d
Report Date: 09-Jun-2008 17:23

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.551	9.558	-0.007	989332610	120.000	140
	15 4,4'-DDD	9.790	9.796	-0.006	1005068598	120.000	140
	16 Endosulfan II	9.906	9.912	-0.006	950296638	120.000	130
	18 Endrin aldehyde	10.049	10.056	-0.007	788498992	120.000	130
	17 4,4'-DDT	10.176	10.183	-0.007	854596286	120.000	120
	20 Endosulfan sulfate	10.416	10.421	-0.005	880415565	120.000	130
	19 Methoxychlor	10.756	10.762	-0.006	1984959649	600.000	650
	21 Endrin ketone	10.930	10.937	-0.007	1057008467	120.000	130
$	22 Decachlorobiphenyl	12.763	12.770	-0.007	414232903	60.0000	63

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.


Data File: /var/chem/gcsv16b.i/20080609.b/sv16b009.d
Date : 09-JUN-2008 15:42
Client ID:
Sample Info: 1400x1 80-22-8
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M
Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32
Y (x10^9)
Min
/var/chem/gcsv16b.i/20080609.b/sv16b009.d
-Tetrachloro-m-xylene (5.239)
-alpha-BHC (5.927)
-gamma-BHC (Lindane) (6.442)
-beta-BHC (6.901)
-delta-BHC (7.256)
-Heptachlor (7.317)
-Aldrin (7.766)
-Heptachlor epoxide (8.384)
-gamma-Chlordane (8.818)
-alpha-Chlordane (8.880)
-Endosulfan I (8.917)
-4,4'-DDE (9.120)
-Dieldrin (9.259)
-Endrin (9.551)
-4,4'-DDD (9.790)
-Endosulfan II (9.906)
-Endrin aldehyde (10.049)
-4,4'-DDT (10.176)
-Endosulfan sulfate (10.416)
-Endrin ketone (10.930)
Methoxychlor (10.756)
-Decachlorobiphenyl (12.763)

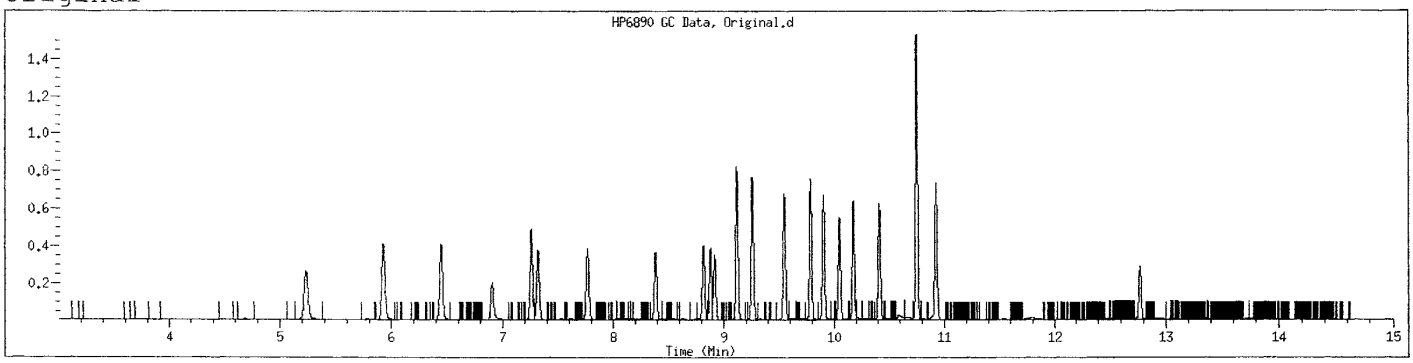
171103

Data file : /var/chem/gcsv16b.i/2080609.b/sv16b009.d Page: 1
Report Date: 06/09/2008 17:23

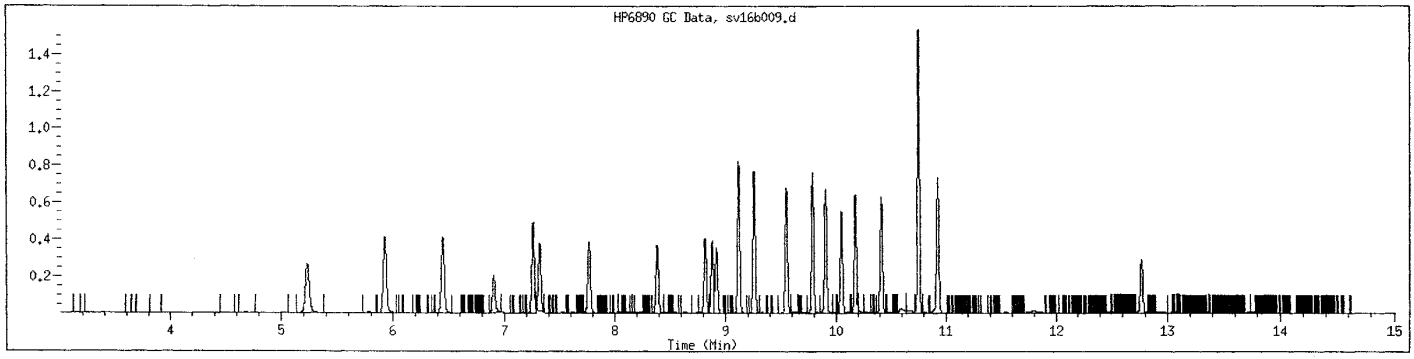
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/09/2008 15:42	Instrument	: gcsv16b.i
Operator	: tls		
Sample Info	: 1400*1 80-22-8		
Misc Info	:		
Method	: /var/chem/gcsv16b.i/2080609.b/pestXLB.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



171104

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: MB611523

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30 | Units: g | Lab Sample ID: 611523

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/07/08 | Time: 1440

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: 375037 | Analytical Batch: 375231 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080606/sv16a028

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/gcsv16a.i/2080606.b/sv16a028.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a028.d
Lab Smp Id: 611526
Inj Date : 07-JUN-2008 14:40
Operator : tls Inst ID: gcsv16a.i
Smp Info : 611523/26*1 mb s
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 28 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

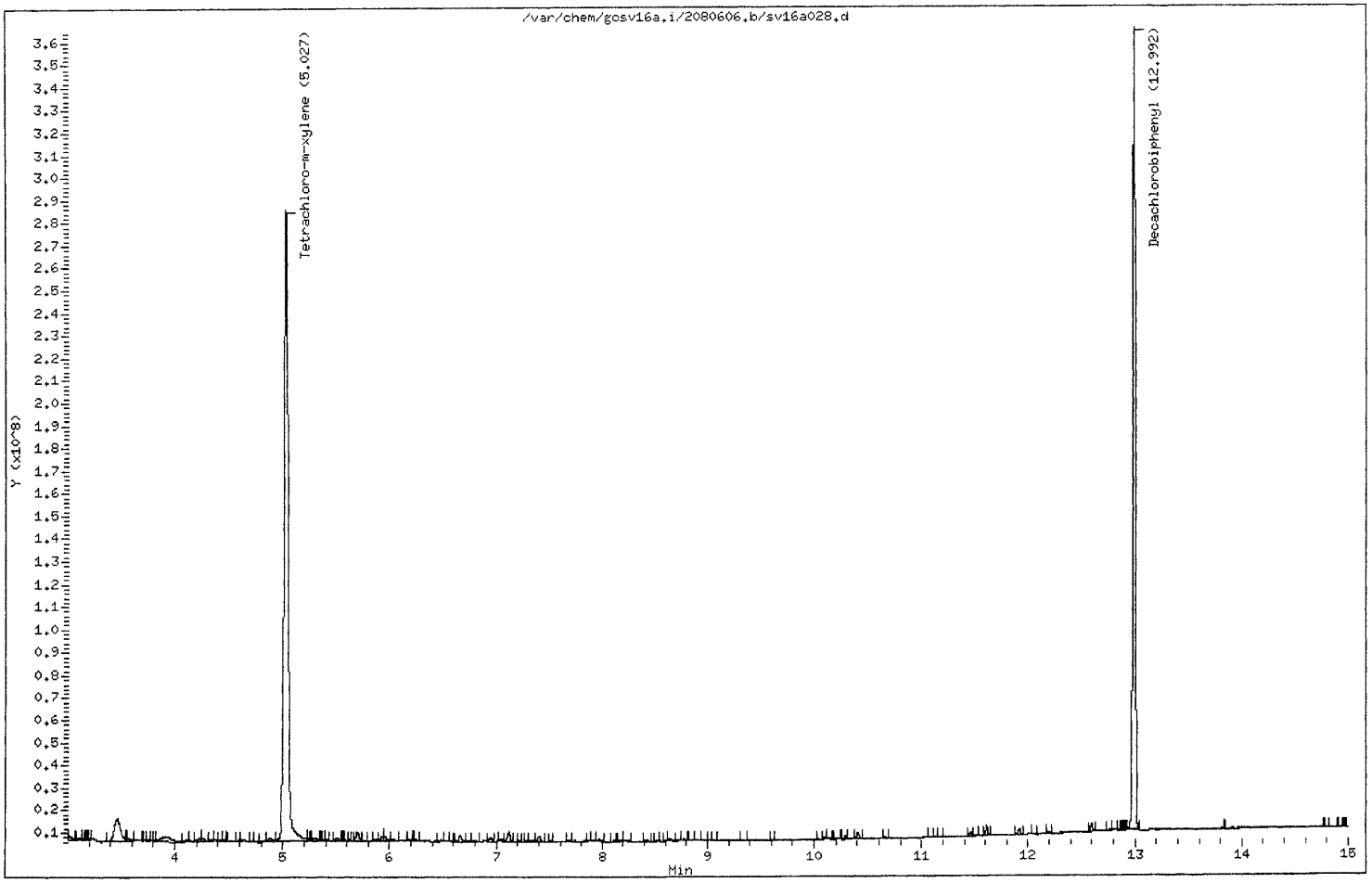
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	5.027	5.017	0.010	732042907	93.4618	16
$ 22 Decachlorobiphenyl	12.992	12.990	0.002	535815071	92.4292	15

171106

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a028.d
Date : 07-JUN-2008 14:40
Client ID:
Sample Info: 611523/26X1 mb s
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

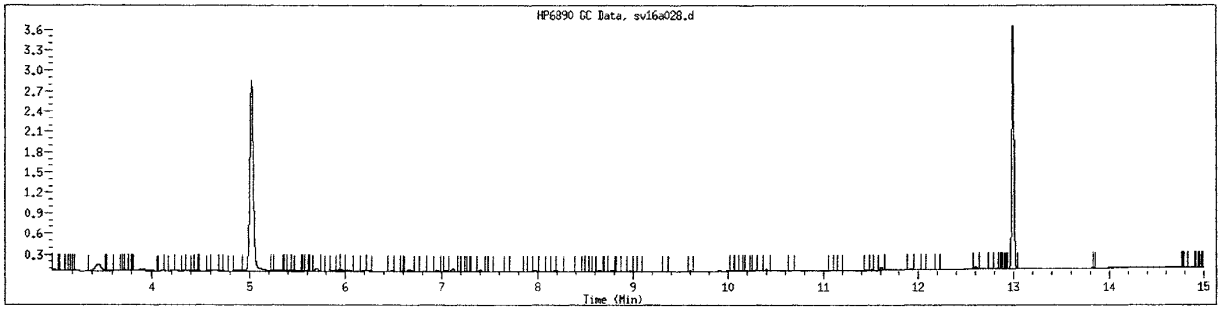
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080606.b/sv16a028.d Page: 1
Report Date: 06/09/2008 12:31

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 611526	SampleType	: BLANK
Injection Date	: 06/07/2008 14:40	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 611523/26*1 mb s		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: Falcon	Compound Sublist	: all



NO MANUAL INTEGRATIONS

171108

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: MB611654

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

Matrix: Water | SAS No.: | SDG No.: 208060522

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 611654

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/08/08 | Time: 1802

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: 375060 | Analytical Batch: 375340 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2080608/sv16a009

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/gcsv16a.i/2080608.b/sv16a009.d
Report Date: 10-Jun-2008 15:54

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a009.d
Lab Smp Id: 611654
Inj Date : 08-JUN-2008 18:02
Operator : tls Inst ID: gcsv16a.i
Smp Info : 611654*1 mb w
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Meth Date : 10-Jun-2008 15:54 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 9 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/(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	5.010	5.016	-0.006	578783154	73.8947	0.37
$ 22 Decachlorobiphenyl	12.983	12.989	-0.006	446484884	77.0196	0.39(M2)

QC Flag Legend

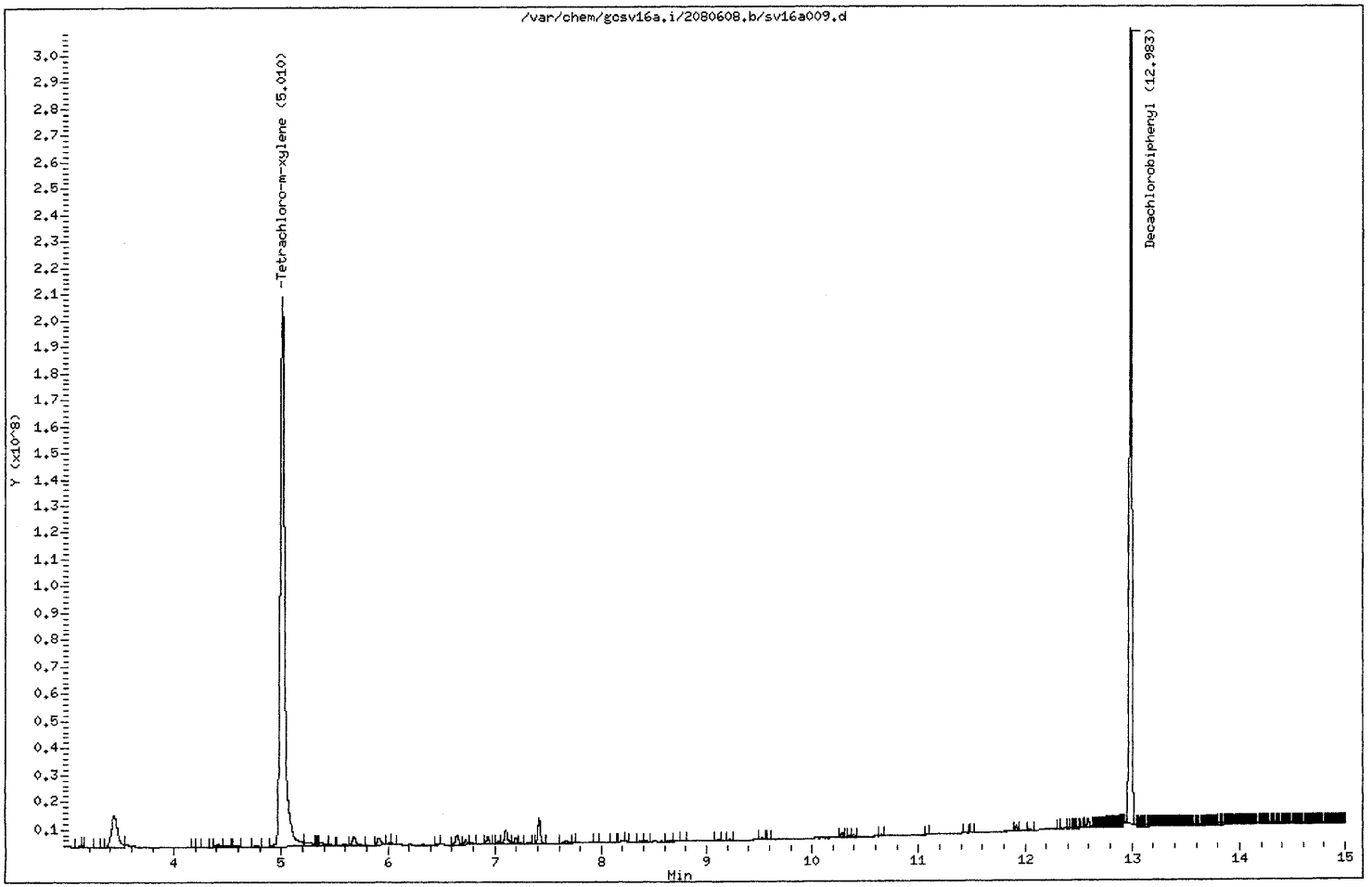
M2- Compound response manually integrated because
Target system integrated incorrectly.

171110

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a009.d
Date : 08-JUN-2008 18:02
Client ID:
Sample Info: 611654X1 mb w
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



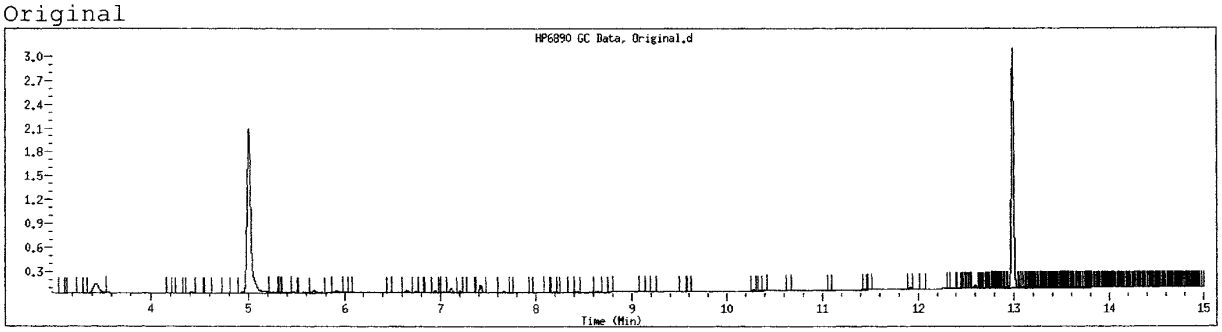
171111

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a009.d Page: 1
Report Date: 06/10/2008 15:54

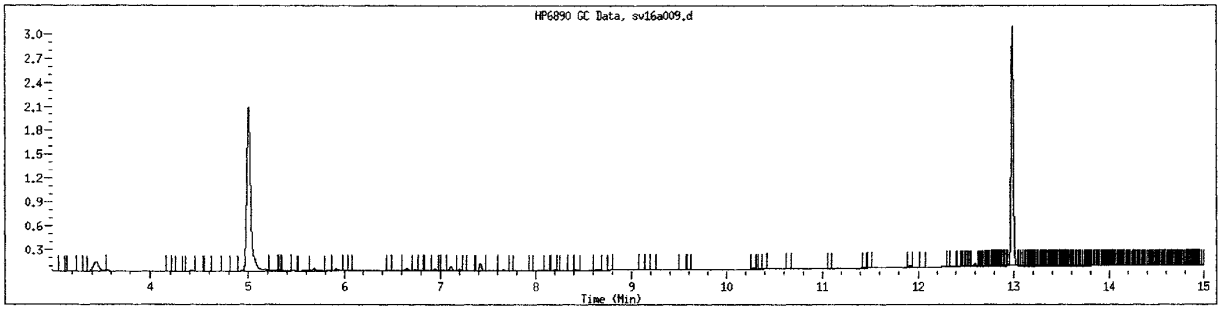
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 611654 SampleType : BLANK
Injection Date: 06/08/2008 18:02 Instrument : gcsv16a.i
Operator : tls
Sample Info : 611654*1 mb w
Misc Info :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: all

Original



Final



1040

171112

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a009.d
Report Date: 10-Jun-2008 16:14

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a009.d
Lab Smp Id: 611657
Inj Date : 08-JUN-2008 18:02
Operator : tls Inst ID: gcsv16a.i
Smp Info : 611654/57*1 mb w
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Meth Date : 10-Jun-2008 15:57 tls Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 9 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/(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	5.010	5.016	-0.006	578783154	73.8947	0.37
$ 22 Decachlorobiphenyl	12.983	12.989	-0.006	446484884	77.0196	0.39(M2)

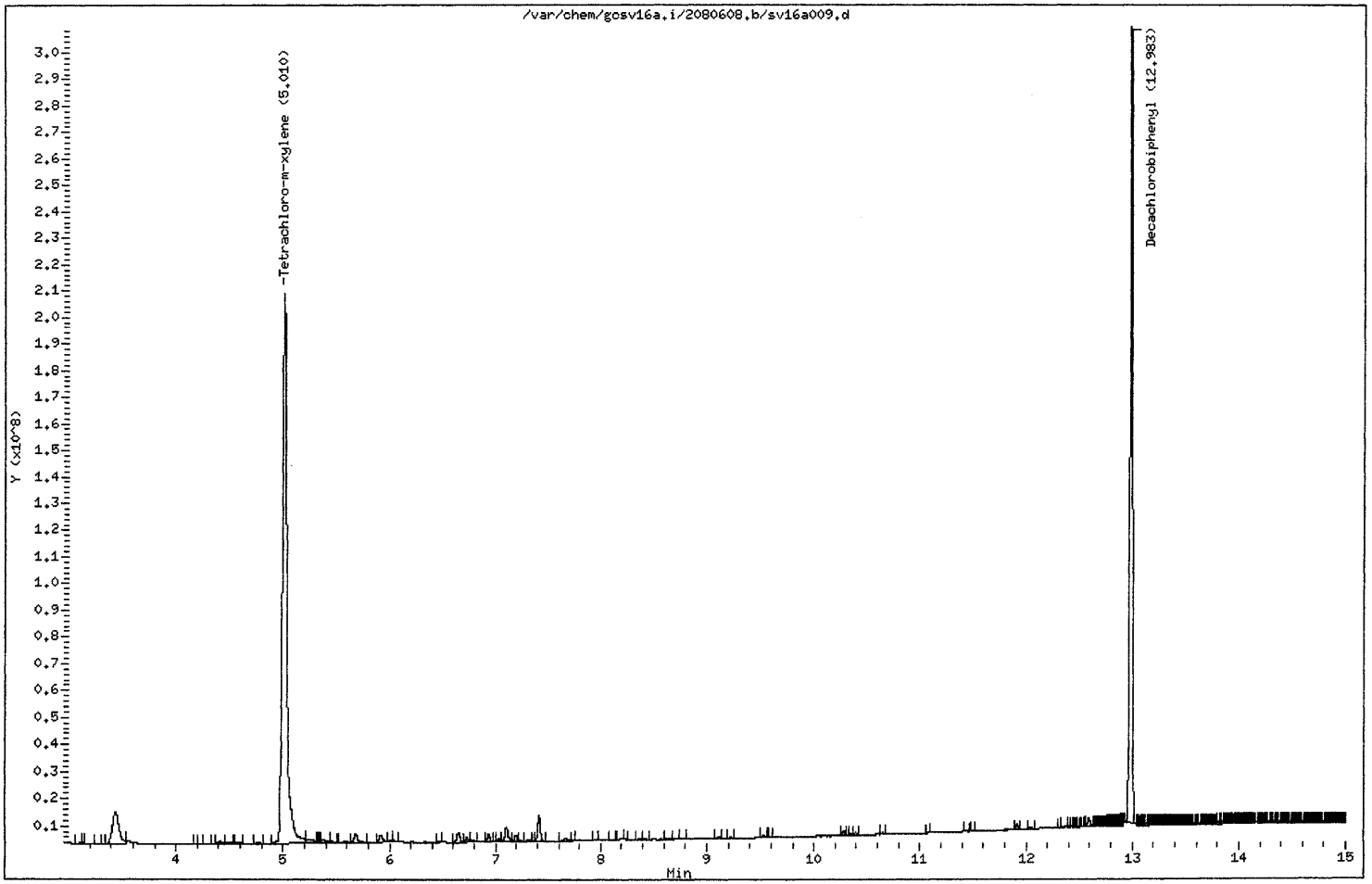
QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

171113

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a009.d
Date : 08-JUN-2008 18:02
Client ID:
Sample Info: 611654/57x1 mb w
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

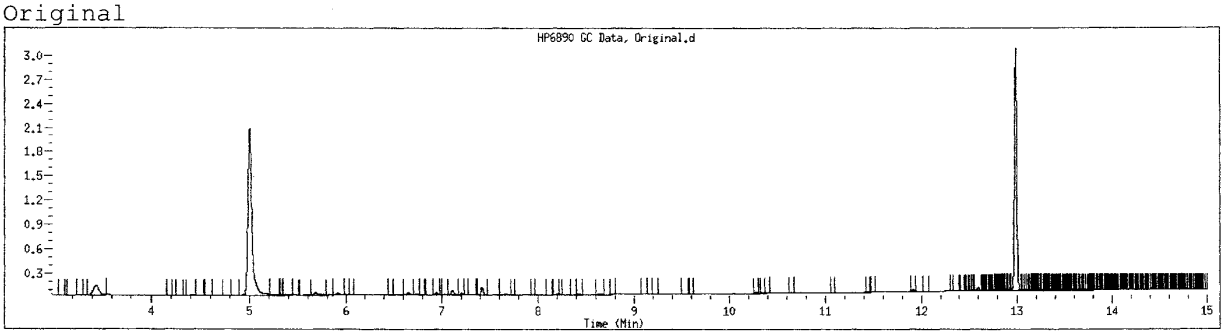


Data file : /var/chem/gcsv16a.i/2080608.b/sv16a009.d Page: 1
Report Date: 06/10/2008 16:14

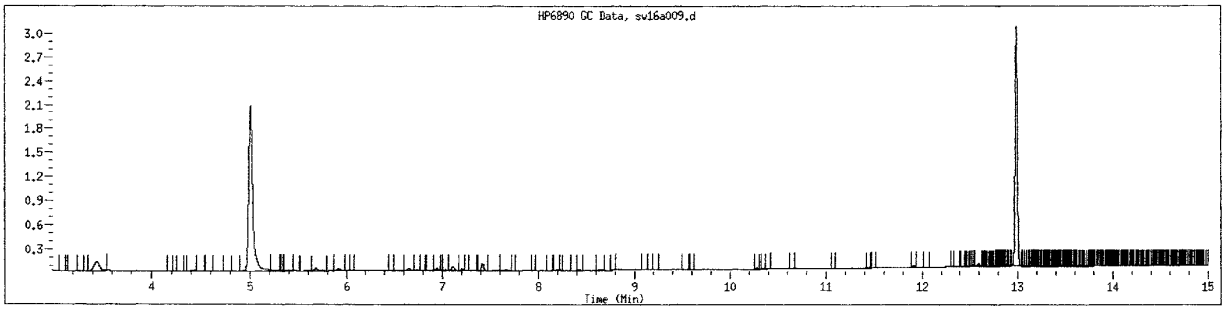
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 611657	SampleType	: BLANK
Injection Date	: 06/08/2008 18:02	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 611654/57*1 mb w		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080608.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: all

Original



Final



171115

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCS611524

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30 | Units: g | Lab Sample ID: 611524

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/06/08 | Time: 1800

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: 375037 | Analytical Batch: 375231 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080606/sv16a017

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.014		0.000335	0.00100
319-85-7	beta-BHC	0.015		0.000415	0.00200
319-86-8	delta-BHC	0.015		0.000435	0.00100
1024-57-3	Heptachlor epoxide	0.014		0.000360	0.00100
959-98-8	Endosulfan I	0.013		0.000360	0.00100
72-55-9	4,4'-DDE	0.014		0.000385	0.00200
33213-65-9	Endosulfan II	0.013		0.000435	0.00200
72-54-8	4,4'-DDD	0.014		0.000445	0.00200
1031-07-8	Endosulfan sulfate	0.014		0.000455	0.00200
72-43-5	Methoxychlor	0.013		0.000550	0.010
53494-70-5	Endrin ketone	0.015		0.000455	0.00200
7421-93-4	Endrin aldehyde	0.013		0.000500	0.00200
5103-71-9	alpha-Chlordane	0.013		0.000345	0.00100
5103-74-2	gamma-Chlordane	0.014		0.000365	0.00100
58-89-9	gamma-BHC (Lindane)	0.014		0.000315	0.00100
76-44-8	Heptachlor	0.014		0.000335	0.00100
309-00-2	Aldrin	0.013		0.000380	0.00100
60-57-1	Dieldrin	0.014		0.000375	0.00200
72-20-8	Endrin	0.015		0.000450	0.00200
50-29-3	4,4'-DDT	0.013		0.000430	0.00200

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a017.d
Report Date: 09-Jun-2008 12:26

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a017.d
Lab Smp Id: 611524
Inj Date : 06-JUN-2008 18:00
Operator : tls Inst ID: gcsv16a.i
Smp Info : 611524*1 lcs
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:26 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 17 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	5.026	5.018	0.008	608930910	77.7438	13
2	alpha-BHC	6.151	6.145	0.006	886560267	86.5119	14
3	gamma-BHC (Lindane)	6.739	6.733	0.006	761827034	86.2375	14
6	beta-BHC	6.842	6.835	0.007	338585052	89.5560	15
4	Heptachlor	7.322	7.324	-0.002	669173155	85.8506	14
7	delta-BHC	7.362	7.364	-0.002	778551789	89.4241	15
5	Aldrin	7.795	7.792	0.003	669443856	79.8503	13
8	Heptachlor epoxide	8.525	8.520	0.005	633657068	85.6471	14
10	gamma-Chlordane	8.779	8.774	0.005	636298809	83.7842	14
11	alpha-Chlordane	8.978	8.986	-0.008	541047772	79.0003	13
9	Endosulfan I	9.014	9.022	-0.008	535097892	79.1392	13
12	4,4'-DDE	9.235	9.227	0.008	621448405	81.9808	14

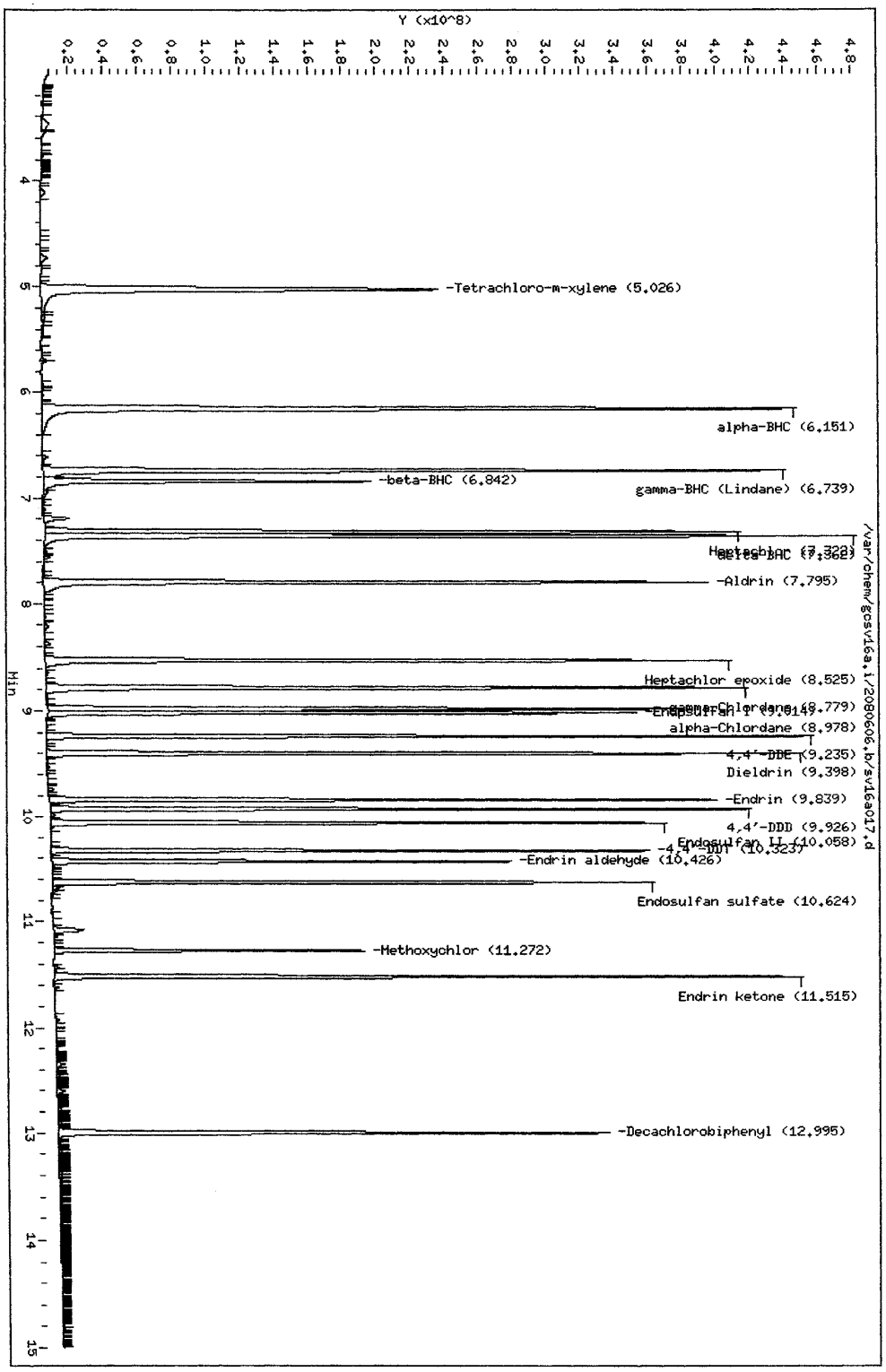
Data File: /var/chem/gcsv16a.i/2080606.b/sv16a017.d
Report Date: 09-Jun-2008 12:26

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
13 Dieldrin	9.398	9.391	0.007	651213809	82.8910	14
14 Endrin	9.839	9.833	0.006	553685742	91.3320	15
15 4,4'-DDD	9.926	9.921	0.005	541882424	85.2437	14
16 Endosulfan II	10.058	10.051	0.007	523180527	79.2720	13
17 4,4'-DDT	10.323	10.317	0.006	467520971	79.7822	13
18 Endrin aldehyde	10.426	10.420	0.006	386019669	75.6274	13
20 Endosulfan sulfate	10.624	10.619	0.005	491235516	84.9156	14
19 Methoxychlor	11.272	11.294	-0.022	233845044	78.7493	13(M2)
21 Endrin ketone	11.515	11.513	0.002	606662704	92.4063	15
$ 22 Decachlorobiphenyl	12.995	12.991	0.004	487805426	84.1475	14

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

171118


Data File: /var/chem/gcsv16a.i/20080606.b/sv16a017.d
Date : 06-JUN-2008 18:00
Client ID:
Sample Info: 611524m1 ios
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/20080606.b/sv16a017.d
-Tetrachloro-m-xylene (5.026)
alpha-BHC (6.151)
-beta-BHC (6.842)
gamma-BHC (Lindane) (6.739)
-Aldrin (7.795)
Heptachlor epoxide (8.525)
alpha-Chlordane (8.978)
4,4'-DDE (9.235)
Dieldrin (9.398)
-Endrin (9.839)
4,4'-DDD (9.926)
-Endrin aldehyde (10.426)
Endosulfan sulfate (10.624)
-Methoxychlor (11.272)
Endrin ketone (11.515)
-Decachlorobiphenyl (12.995)

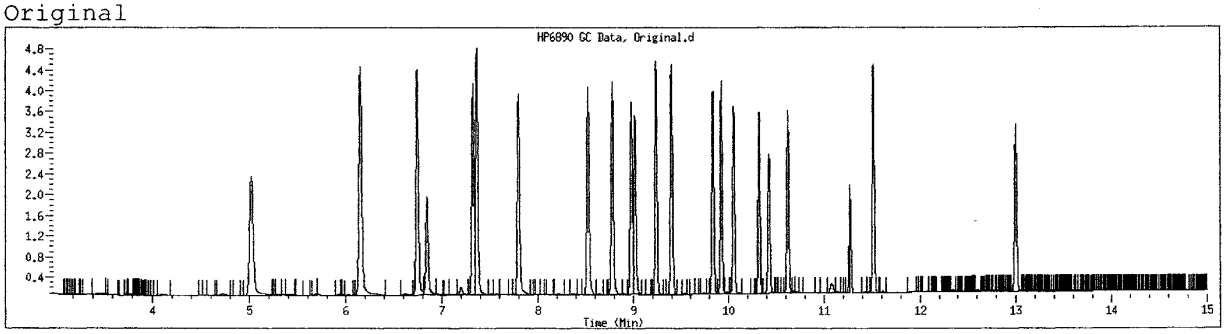
171119

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a017.d Page: 1
Report Date: 06/09/2008 12:26

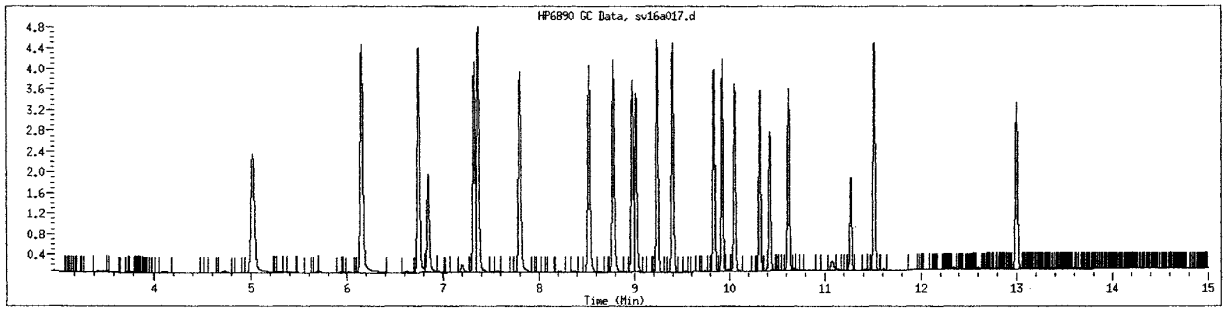
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 611524	SampleType	: LCS
Injection Date	: 06/06/2008 18:00	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 611524*1 lcs		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



1048

171120

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCS611655

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

Matrix: Water | SAS No.: | SDG No.: 208060522

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 611655

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/08/08 | Time: 1820

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: 375060 | Analytical Batch: 375340 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2080608/sv16a010

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.000436		0.000001	0.000025
319-85-7	beta-BHC	0.000446		0.000001	0.000025
319-86-8	delta-BHC	0.000437		0.000001	0.000025
1024-57-3	Heptachlor epoxide	0.000430		0.000002	0.000025
959-98-8	Endosulfan I	0.000390		0.000003	0.000025
72-55-9	4,4'-DDE	0.000398		0.000001	0.000050
33213-65-9	Endosulfan II	0.000391		0.000001	0.000050
72-54-8	4,4'-DDD	0.000418		0.000002	0.000050
1031-07-8	Endosulfan sulfate	0.000414		0.000001	0.000050
72-43-5	Methoxychlor	0.000384		0.000002	0.000250
53494-70-5	Endrin ketone	0.000454		0.000001	0.000050
7421-93-4	Endrin aldehyde	0.000371		0.000001	0.000050
5103-71-9	alpha-Chlordane	0.000394		0.000004	0.000025
5103-74-2	gamma-Chlordane	0.000397		0.000005	0.000025
58-89-9	gamma-BHC (Lindane)	0.000435		0.000001	0.000025
76-44-8	Heptachlor	0.000416		0.000002	0.000025
309-00-2	Aldrin	0.000388		0.000002	0.000025
60-57-1	Dieldrin	0.000415		0.000004	0.000050
72-20-8	Endrin	0.000454		0.000001	0.000050
50-29-3	4,4'-DDT	0.000391		0.000001	0.000050

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a010.d
Report Date: 10-Jun-2008 15:54

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a010.d
Lab Smp Id: 611655
Inj Date : 08-JUN-2008 18:20
Operator : tls Inst ID: gcsv16a.i
Smp Info : 611655*1 lcs
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Meth Date : 10-Jun-2008 15:54 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 10 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)

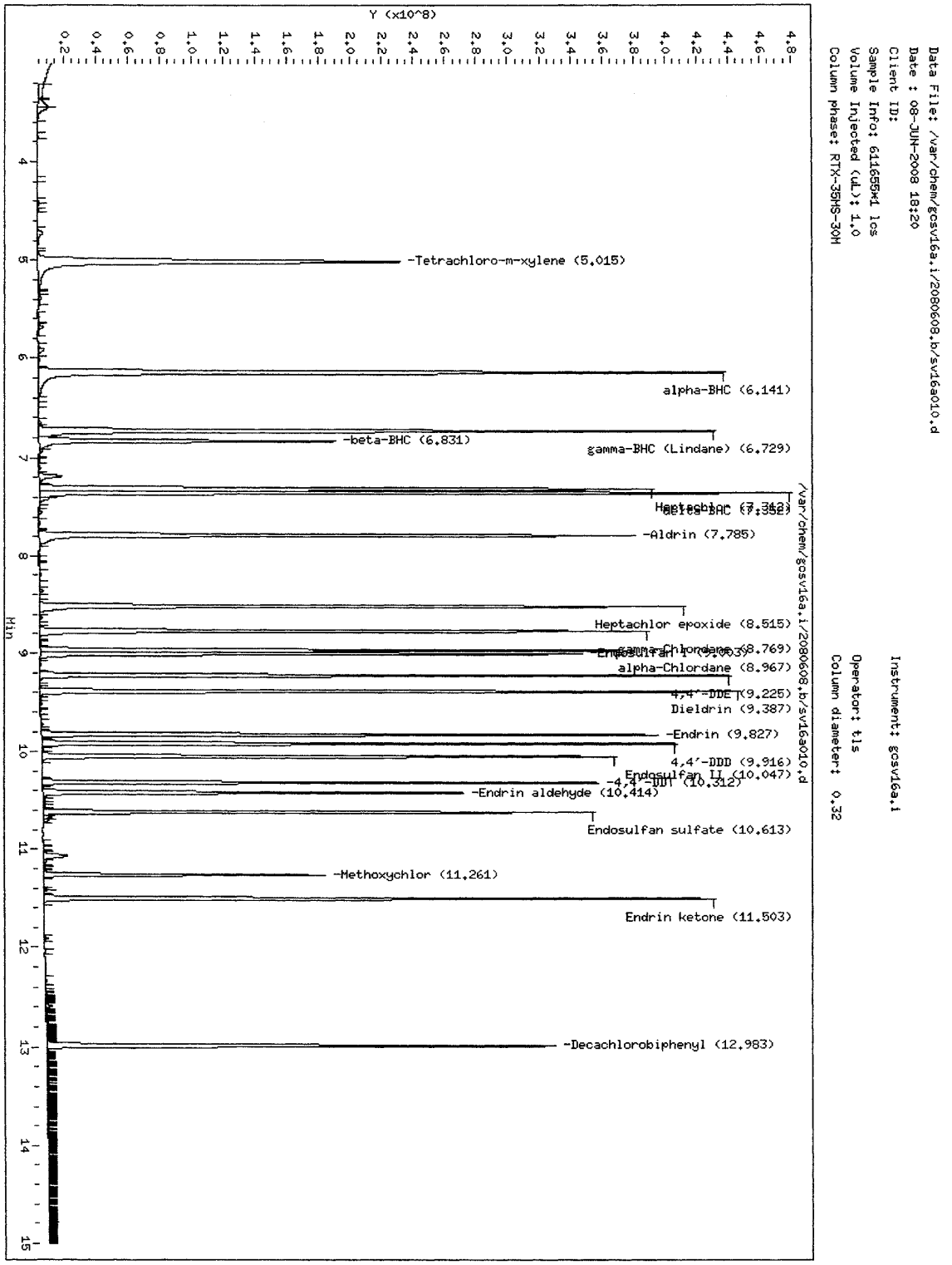
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
$ 1 Tetrachloro-m-xylene	5.015	5.016	-0.001	656968141	83.8768	0.42
2 alpha-BHC	6.141	6.143	-0.002	893058259	87.1460	0.44
3 gamma-BHC (Lindane)	6.729	6.731	-0.002	768225190	86.9618	0.43
6 beta-BHC	6.831	6.833	-0.002	337557495	89.2842	0.45
4 Heptachlor	7.312	7.322	-0.010	648973835	83.2592	0.42
7 delta-BHC	7.352	7.361	-0.009	760342426	87.3326	0.44
5 Aldrin	7.785	7.790	-0.005	651104291	77.6628	0.39
8 Heptachlor epoxide	8.515	8.518	-0.003	636449227	86.0244	0.43
10 gamma-Chlordane	8.769	8.772	-0.003	602445105	79.3265	0.40
11 alpha-Chlordane	8.967	8.966	0.001	539674825	78.7998	0.39
9 Endosulfan I	9.003	9.002	0.001	527436405	78.0061	0.39
12 4,4'-DDE	9.225	9.225	0.000	603522950	79.6161	0.40
13 Dieldrin	9.387	9.389	-0.002	651431952	82.9187	0.41

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a010.d
Report Date: 10-Jun-2008 15:54

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
14 Endrin	9.827	9.831	-0.004	550773269	90.8516	0.45
15 4,4'-DDD	9.916	9.919	-0.003	531723020	83.6455	0.42
16 Endosulfan II	10.047	10.049	-0.002	516664715	78.2847	0.39
17 4,4'-DDT	10.312	10.315	-0.003	457677599	78.1024	0.39
18 Endrin aldehyde	10.414	10.418	-0.004	378704236	74.1942	0.37
20 Endosulfan sulfate	10.613	10.617	-0.004	478555054	82.7236	0.41
19 Methoxychlor	11.261	11.262	-0.001	228301817	76.8826	0.38
21 Endrin ketone	11.503	11.511	-0.008	595476476	90.7024	0.45
$ 22 Decachlorobiphenyl	12.983	12.989	-0.006	484157983	83.5183	0.42

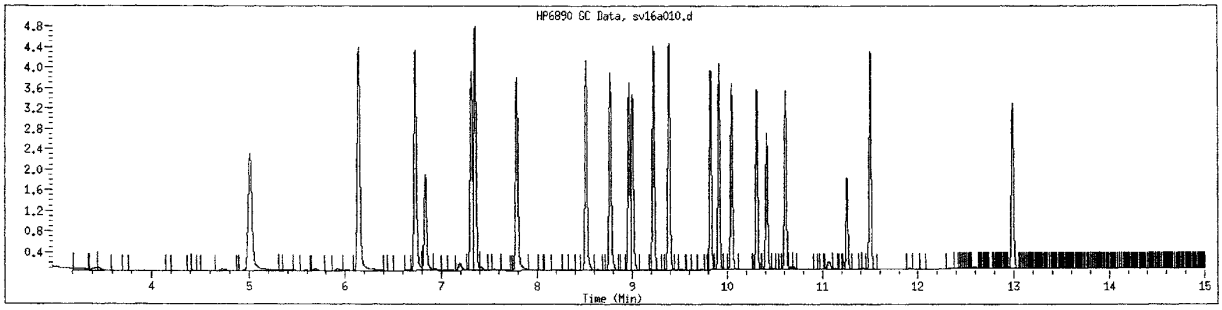
171123


Data File: /var/chem/gcsv16a.i/20080608.b/sv16a010.d
Date : 08-JUN-2008 18:20
Client ID:
Sample Info: 611655#1 lcs
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/20080608.b/sv16a010.d
-Tetrachloro-m-xylene (5.015)
alpha-BHC (6.141)
-beta-BHC (6.831)
gamma-BHC (Lindane) (6.729)
-Aldrin (7.785)
Heptachlor epoxide (8.515)
alpha-Chlordane (8.967)
4,4'-DDE (9.225)
Dieldrin (9.387)
-Endrin (9.827)
4,4'-DDD (9.916)
-Endrin aldehyde (10.414)
Endosulfan sulfate (10.613)
-Methoxychlor (11.261)
Endrin ketone (11.503)
-Decachlorobiphenyl (12.983)

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a010.d Page: 1
Report Date: 06/10/2008 15:54

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 611655 SampleType : LCS
Injection Date: 06/08/2008 18:20 Instrument : gcsv16a.i
Operator : tls
Sample Info : 611655*1 lcs
Misc Info :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: 8081



NO MANUAL INTEGRATIONS

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCSD611525

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30 | Units: g | Lab Sample ID: 611525

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/06/08 | Time: 1819

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: 375037 | Analytical Batch: 375231 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080606/sv16a018

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.014		0.000335	0.00100
319-85-7	beta-BHC	0.014		0.000415	0.00200
319-86-8	delta-BHC	0.014		0.000435	0.00100
1024-57-3	Heptachlor epoxide	0.014		0.000360	0.00100
959-98-8	Endosulfan I	0.013		0.000360	0.00100
72-55-9	4,4'-DDE	0.013		0.000385	0.00200
33213-65-9	Endosulfan II	0.013		0.000435	0.00200
72-54-8	4,4'-DDD	0.013		0.000445	0.00200
1031-07-8	Endosulfan sulfate	0.013		0.000455	0.00200
72-43-5	Methoxychlor	0.011		0.000550	0.010
53494-70-5	Endrin ketone	0.014		0.000455	0.00200
7421-93-4	Endrin aldehyde	0.012		0.000500	0.00200
5103-71-9	alpha-Chlordane	0.012		0.000345	0.00100
5103-74-2	gamma-Chlordane	0.013		0.000365	0.00100
58-89-9	gamma-BHC (Lindane)	0.014		0.000315	0.00100
76-44-8	Heptachlor	0.014		0.000335	0.00100
309-00-2	Aldrin	0.013		0.000380	0.00100
60-57-1	Dieldrin	0.013		0.000375	0.00200
72-20-8	Endrin	0.014		0.000450	0.00200
50-29-3	4,4'-DDT	0.012		0.000430	0.00200

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a018.d
Report Date: 09-Jun-2008 12:26

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a018.d
Lab Smp Id: 611525
Inj Date : 06-JUN-2008 18:19
Operator : tls Inst ID: gcsv16a.i
Smp Info : 611525*1 lcsd
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:26 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 18 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

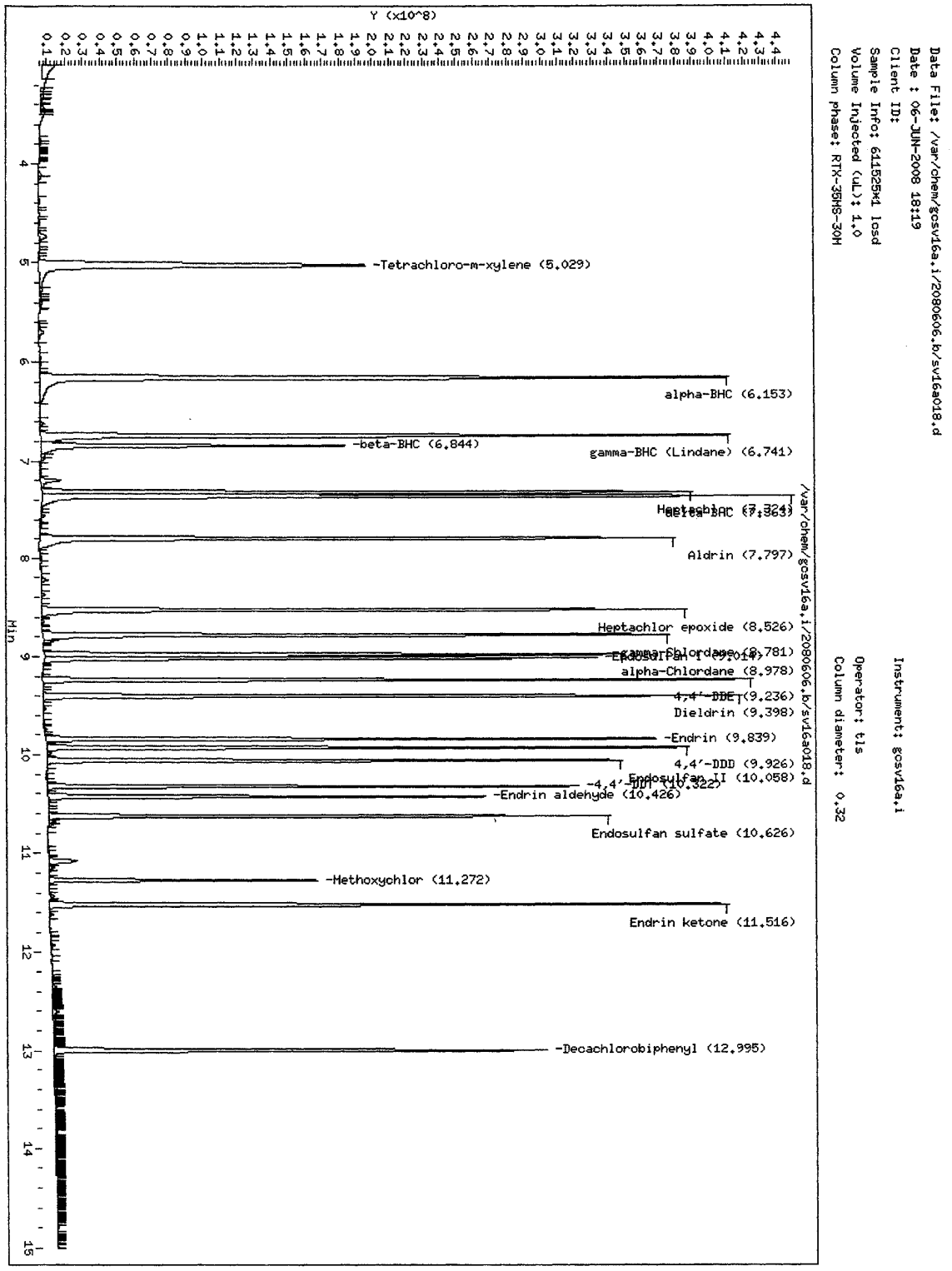
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	5.029	5.018	0.011	579059271	73.9300	12
	2 alpha-BHC	6.153	6.145	0.008	858665003	83.7898	14
	3 gamma-BHC (Lindane)	6.741	6.733	0.008	728644165	82.4813	14
	6 beta-BHC	6.844	6.835	0.009	327157245	86.5334	14
	4 Heptachlor	7.324	7.324	0.000	648359500	83.1803	14
	7 delta-BHC	7.363	7.364	-0.001	741705076	85.1919	14
	5 Aldrin	7.797	7.792	0.005	651222441	77.6769	13
	8 Heptachlor epoxide	8.526	8.520	0.006	606002091	81.9091	14
	10 gamma-Chlordane	8.781	8.774	0.007	581718942	76.5974	13
	11 alpha-Chlordane	8.978	8.986	-0.008	508630439	74.2669	12
	9 Endosulfan I	9.014	9.022	-0.008	511784298	75.6912	13
	12 4,4'-DDE	9.236	9.227	0.009	583871624	77.0237	13

171127

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a018.d
Report Date: 09-Jun-2008 12:26

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
	13 Dieldrin	9.398	9.391	0.007	617450984	78.5934	13
	14 Endrin	9.839	9.833	0.006	515978534	85.1121	14
	15 4,4'-DDD	9.926	9.921	0.005	505480144	79.5172	13
	16 Endosulfan II	10.058	10.051	0.007	494844171	74.9785	12
	17 4,4'-DDT	10.322	10.317	0.005	409832094	69.9376	12
	18 Endrin aldehyde	10.426	10.420	0.006	366821742	71.8662	12
	20 Endosulfan sulfate	10.626	10.619	0.007	454992799	78.6506	13
	19 Methoxychlor	11.272	11.294	-0.022	200566920	67.5426	11
	21 Endrin ketone	11.516	11.513	0.003	562560248	85.6886	14
$	22 Decachlorobiphenyl	12.995	12.991	0.004	443050527	76.4271	13

171128

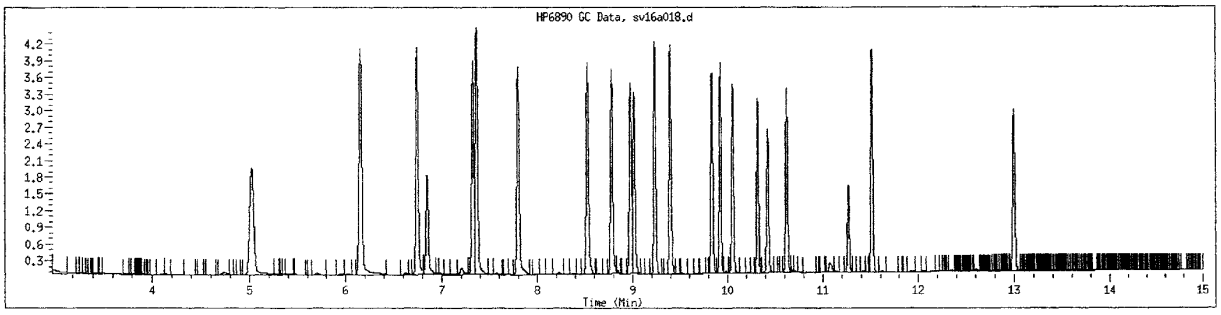

Data File: /var/chem/gcsv16a.i/20080606.b/sv16a018.d
Date : 06-JUN-2008 18:19
Client ID:
Sample Info: 611525x1 lcsd
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
Min
/var/chem/gcsv16a.i/20080606.b/sv16a018.d
-Tetrachloro-m-xylene (5.029)
alpha-BHC (6.153)
-beta-BHC (6.844)
gamma-BHC (Lindane) (6.741)
Aldrin (7.797)
Heptachlor epoxide (8.526)
alpha-Chlordane (8.978)
Dieldrin (9.398)
-Endrin (9.839)
4,4'-DDD (9.926)
-Endrin aldehyde (10.426)
Endosulfan sulfate (10.626)
-Methoxychlor (11.272)
Endrin ketone (11.516)
-Decachlorobiphenyl (12.995)

171129

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a018.d Page: 1
Report Date: 06/09/2008 12:26

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 611525	SampleType	: LCSD
Injection Date	: 06/06/2008 18:19	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 611525*1 lcsd		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.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: LCSD611656

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

Matrix: Water | SAS No.: | SDG No.: 208060522

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 611656

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/08/08 | Time: 1839

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: 375060 | Analytical Batch: 375340 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2080608/sv16a011

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.000417		0.000001	0.000025
319-85-7	beta-BHC	0.000441		0.000001	0.000025
319-86-8	delta-BHC	0.000444		0.000001	0.000025
1024-57-3	Heptachlor epoxide	0.000431		0.000002	0.000025
959-98-8	Endosulfan I	0.000390		0.000003	0.000025
72-55-9	4,4'-DDE	0.000405		0.000001	0.000050
33213-65-9	Endosulfan II	0.000396		0.000001	0.000050
72-54-8	4,4'-DDD	0.000428		0.000002	0.000050
1031-07-8	Endosulfan sulfate	0.000423		0.000001	0.000050
72-43-5	Methoxychlor	0.000401		0.000002	0.000250
53494-70-5	Endrin ketone	0.000460		0.000001	0.000050
7421-93-4	Endrin aldehyde	0.000376		0.000001	0.000050
5103-71-9	alpha-Chlordane	0.000396		0.000004	0.000025
5103-74-2	gamma-Chlordane	0.000398		0.000005	0.000025
58-89-9	gamma-BHC (Lindane)	0.000436		0.000001	0.000025
76-44-8	Heptachlor	0.000406		0.000002	0.000025
309-00-2	Aldrin	0.000382		0.000002	0.000025
60-57-1	Dieldrin	0.000417		0.000004	0.000050
72-20-8	Endrin	0.000459		0.000001	0.000050
50-29-3	4,4'-DDT	0.000410		0.000001	0.000050

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a011.d
Report Date: 10-Jun-2008 15:54

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a011.d
Lab Smp Id: 611656
Inj Date : 08-JUN-2008 18:39
Operator : tls Inst ID: gcsv16a.i
Smp Info : 611656*1 lcsd
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Meth Date : 10-Jun-2008 15:54 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 11 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	5.010	5.016	-0.006	641627167	81.9182	0.41
2 alpha-BHC	6.137	6.143	-0.006	854178121	83.3520	0.42(M2)
3 gamma-BHC (Lindane)	6.727	6.731	-0.004	769723938	87.1315	0.44
6 beta-BHC	6.830	6.833	-0.003	333551256	88.2246	0.44
4 Heptachlor	7.311	7.322	-0.011	633340379	81.2535	0.41
7 delta-BHC	7.350	7.361	-0.011	773224587	88.8122	0.44
5 Aldrin	7.785	7.790	-0.005	640991484	76.4565	0.38
8 Heptachlor epoxide	8.514	8.518	-0.004	637519678	86.1691	0.43
10 gamma-Chlordane	8.769	8.772	-0.003	603897693	79.5178	0.40
11 alpha-Chlordane	8.967	8.966	0.001	542957128	79.2790	0.40
9 Endosulfan I	9.003	9.002	0.001	527341347	77.9921	0.39
12 4,4'-DDE	9.224	9.225	-0.001	613694902	80.9580	0.40
13 Dieldrin	9.386	9.389	-0.003	655939849	83.4925	0.42

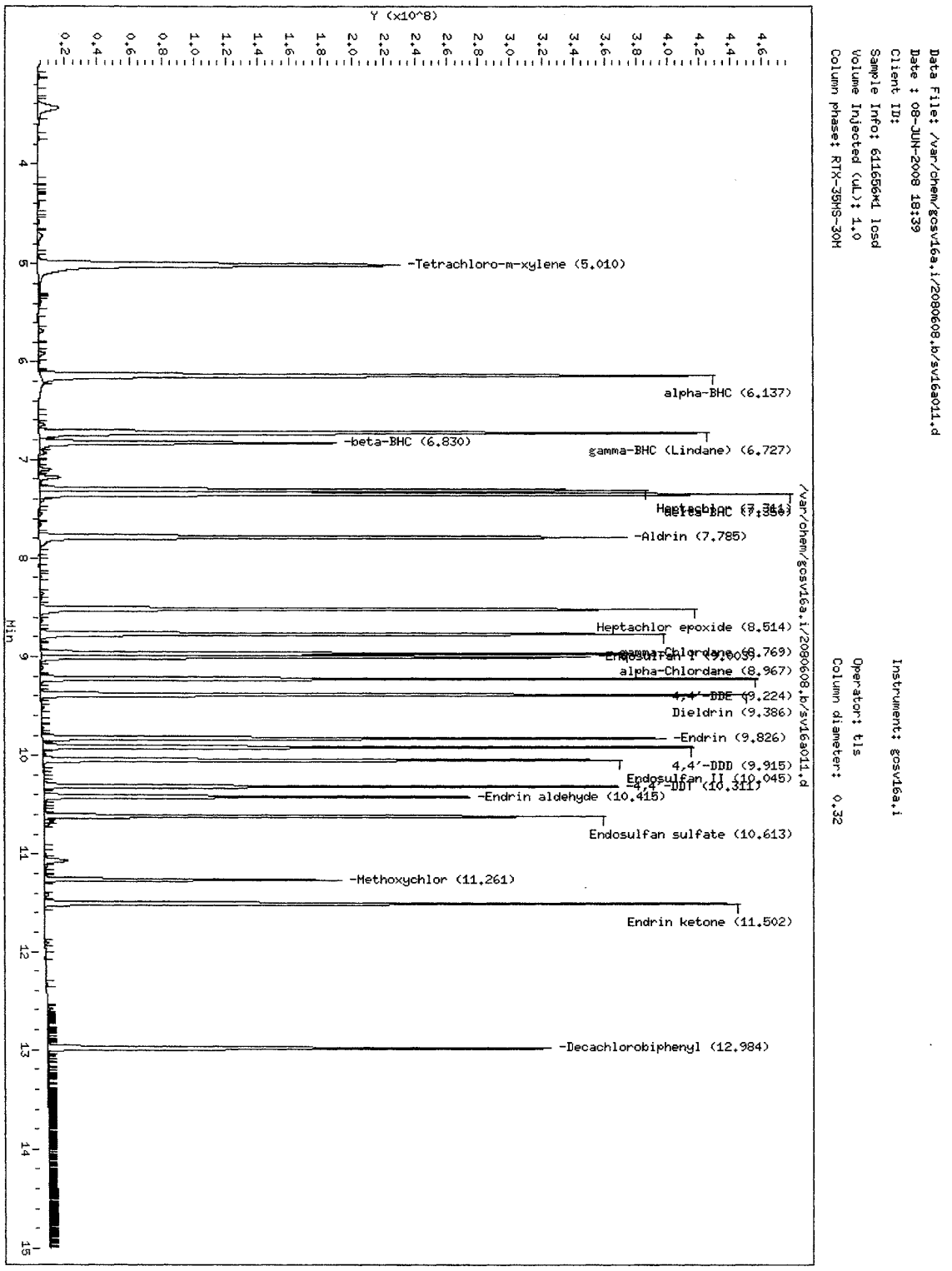
Data File: /var/chem/gcsv16a.i/2080608.b/sv16a011.d
Report Date: 10-Jun-2008 15:54

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
	14 Endrin	9.826	9.831	-0.005	556845589	91.8532	0.46
	15 4,4'-DDD	9.915	9.919	-0.004	544089079	85.5908	0.43
	16 Endosulfan II	10.045	10.049	-0.004	522225863	79.1273	0.40
	17 4,4'-DDT	10.311	10.315	-0.004	480247605	81.9540	0.41
	18 Endrin aldehyde	10.415	10.418	-0.003	383975992	75.2270	0.38
	20 Endosulfan sulfate	10.613	10.617	-0.004	489595259	84.6321	0.42
	19 Methoxychlor	11.261	11.262	-0.001	238120854	80.1892	0.40
	21 Endrin ketone	11.502	11.511	-0.009	604091087	92.0146	0.46
$	22 Decachlorobiphenyl	12.984	12.989	-0.005	480217909	82.8386	0.41

QC Flag Legend

M2- Compound response manually integrated because Target system integrated incorrectly.

171133

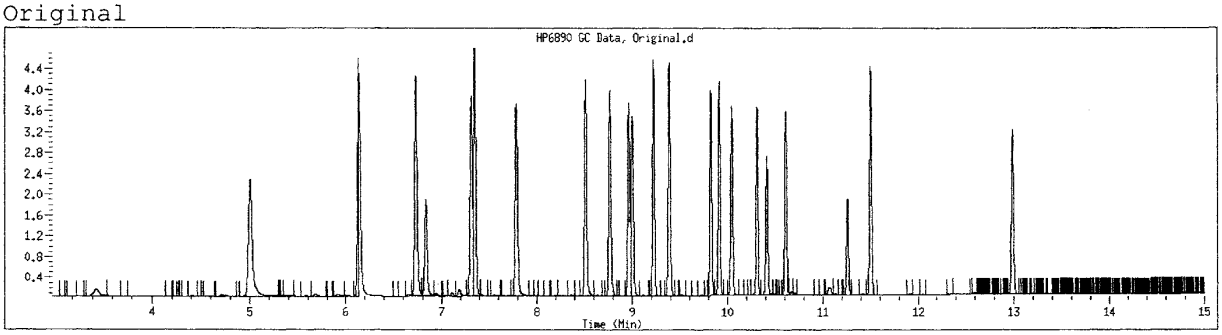

Data File: /var/chem/gcsv16a.i/20080608.b/sv16a011.d
Date : 08-JUN-2008 18:39
Client ID:
Sample Info: 611656M1 lcsd
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
Min
/var/chem/gcsv16a.i/20080608.b/sv16a011.d
-Tetrachloro-m-xylene (5.010)
alpha-BHC (6.137)
-beta-BHC (6.830)
gamma-BHC (Lindane) (6.727)
-Aldrin (7.785)
Heptachlor epoxide (8.514)
alpha-Chlordane (8.967)
Dieldrin (9.386)
-Endrin (9.826)
4,4'-DDD (9.915)
-Endrin aldehyde (10.415)
Endosulfan sulfate (10.613)
-Methoxychlor (11.261)
Endrin ketone (11.502)
-Decachlorobiphenyl (12.984)

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a011.d Page: 1
Report Date: 06/10/2008 15:54

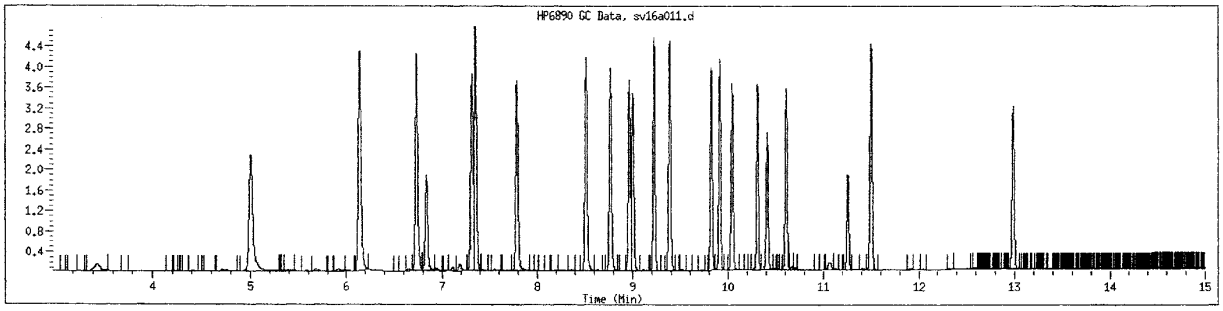
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 611656	SampleType	: LCSD
Injection Date	: 06/08/2008 18:39	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 611656*1 lcsd		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080608.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: 8081

Original



Final



1063

171135

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED3 MS

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30 | Units: g | Lab Sample ID: 20806052206

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 1200

% Moisture: 14.2 | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/07/08 | Time: 1505

Soil Aliquot Volume: (µL) | Dilution Factor: 10 | Analyst: TLS

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

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

Prep Batch: 375037 | Analytical Batch: 375231 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080606/sv16a029

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.020	J	0.00519	0.023
72-55-9	4,4'-DDE	0.023		0.00449	0.023
50-29-3	4,4'-DDT	0.024		0.00501	0.023
309-00-2	Aldrin	0.018		0.00443	0.012
60-57-1	Dieldrin	0.019	J	0.00437	0.023
959-98-8	Endosulfan I	0.020		0.00420	0.012
33213-65-9	Endosulfan II	0.019	J	0.00507	0.023
1031-07-8	Endosulfan sulfate	0.020	J	0.00530	0.023
72-20-8	Endrin	0.026		0.00524	0.023
7421-93-4	Endrin aldehyde	0.019	J	0.00583	0.023
53494-70-5	Endrin ketone	0.025		0.00530	0.023
76-44-8	Heptachlor	0.022		0.00390	0.012
1024-57-3	Heptachlor epoxide	0.023		0.00420	0.012
72-43-5	Methoxychlor	0.026	J	0.00641	0.117
8001-35-2	Toxaphene	1.17	U	0.055	1.17
319-84-6	alpha-BHC	0.021		0.00390	0.012
5103-71-9	alpha-Chlordane	0.020		0.00402	0.012
319-85-7	beta-BHC	0.025		0.00484	0.023
319-86-8	delta-BHC	0.022		0.00507	0.012
58-89-9	gamma-BHC (Lindane)	0.022		0.00367	0.012
5103-74-2	gamma-Chlordane	0.026		0.00425	0.012

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a029.d
Report Date: 09-Jun-2008 12:26

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a029.d
Lab Smp Id: 20806052206
Inj Date : 07-JUN-2008 15:05
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052206*10ms
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:26 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 29 QC Sample: MS
Dil Factor: 10.00000
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	10.00000	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	5.029	5.017	0.012	86455897	11.0380	18
2	alpha-BHC	6.154	6.145	0.009	109790726	10.7135	18
3	gamma-BHC (Lindane)	6.742	6.733	0.009	100649456	11.3933	19
6	beta-BHC	6.844	6.834	0.010	48686744	12.8777	21
4	Heptachlor	7.324	7.323	0.001	88470883	11.3502	19(M2)
7	delta-BHC	7.364	7.363	0.001	97147302	11.1583	19(M2)
5	Aldrin	7.798	7.792	0.006	77160356	9.20357	15(M2)
8	Heptachlor epoxide	8.526	8.519	0.007	87951976	11.8879	20(M2)
10	gamma-Chlordane	8.780	8.773	0.007	99653991	13.1219	22(M2)
11	alpha-Chlordane	8.979	8.985	-0.006	71031516	10.3716	17(M2)
9	Endosulfan I	9.014	9.022	-0.008	68161573	10.0809	17(M2)
12	4,4'-DDE	9.235	9.227	0.008	90817910	11.9806	20(M2)

171137

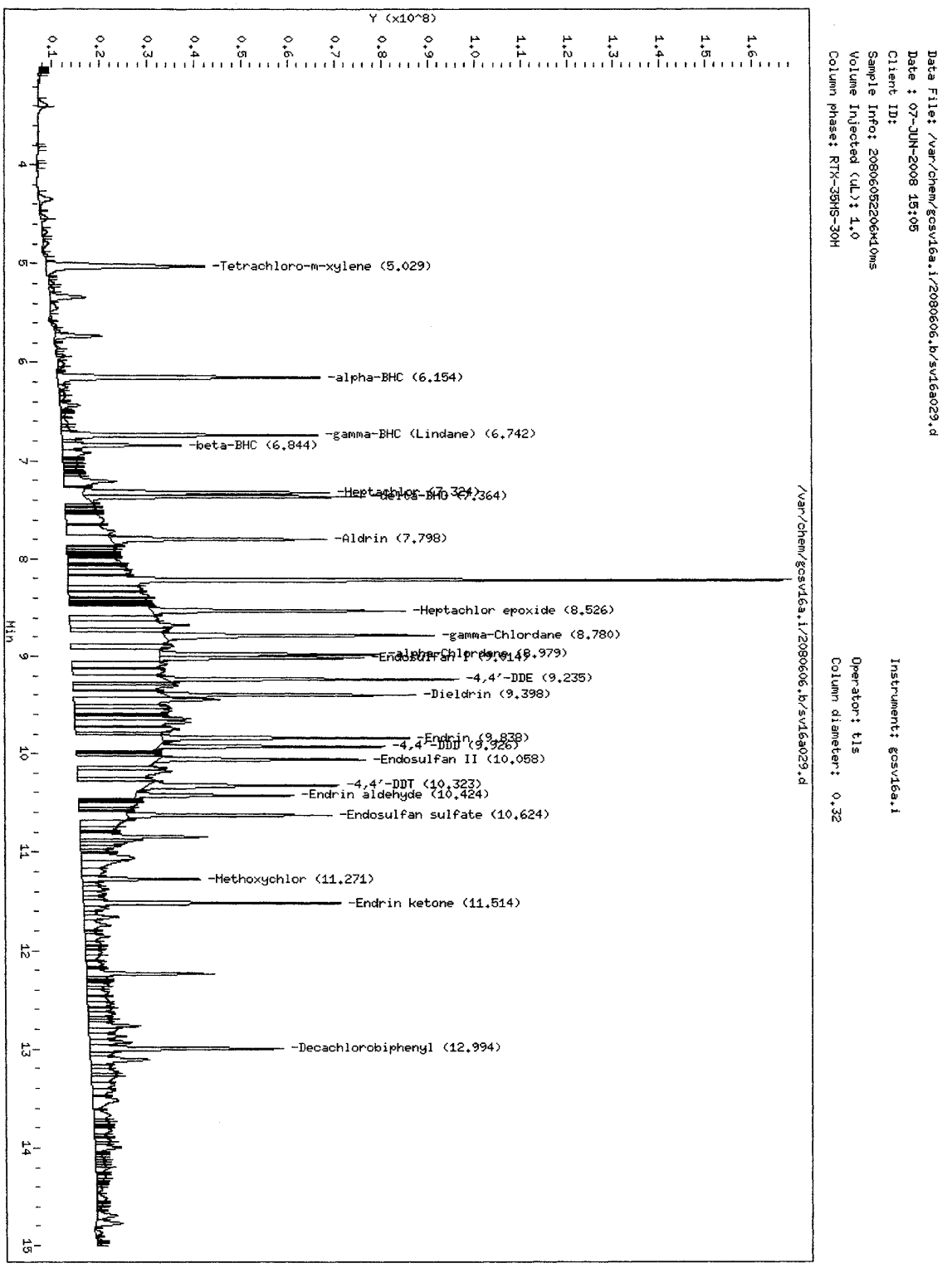
Data File: /var/chem/gcsv16a.i/2080606.b/sv16a029.d
Report Date: 09-Jun-2008 12:26

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
	13 Dieldrin	9.398	9.391	0.007	76650953	9.75666	16(M2)
	14 Endrin	9.838	9.833	0.005	81049574	13.3694	22(M2)
	15 4,4'-DDD	9.926	9.921	0.005	64333331	10.1203	17(M2)
	16 Endosulfan II	10.058	10.051	0.007	63780305	9.66395	16(M2)
	17 4,4'-DDT	10.323	10.317	0.006	72279773	12.3345	21(M2)
	18 Endrin aldehyde	10.424	10.419	0.005	49181748	9.63548	16(M2)
	20 Endosulfan sulfate	10.624	10.619	0.005	60717989	10.4958	17(M2)
	19 Methoxychlor	11.271	11.294	-0.023	39947621	13.4527	22
	21 Endrin ketone	11.514	11.513	0.001	83885269	12.7773	21
$	22 Decachlorobiphenyl	12.994	12.991	0.003	73980014	12.7617	21

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

171138

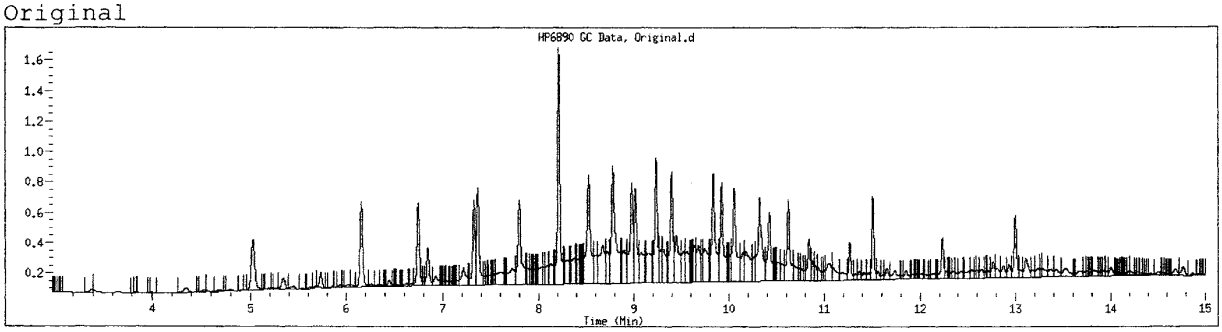

Data File: /var/chem/gcsv16a.i/20080606.b/sv16a029.d
Date : 07-JUN-2008 15:05
Client ID:
Sample Info: 20806052206x10ms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
Min
/var/chem/gcsv16a.i/20080606.b/sv16a029.d
-Tetrachloro-m-xylene (5.029)
-alpha-BHC (6.154)
-gamma-BHC (Lindane) (6.742)
-beta-BHC (6.844)
-Heptachlor (7.324)
-Aldrin (7.798)
-Heptachlor epoxide (8.526)
-gamma-Chlordane (8.780)
-4,4'-DDE (9.235)
-Dieldrin (9.398)
-4,4'-DDD (9.926)
-Endosulfan II (10.058)
-4,4'-DDT (10.323)
-Endrin aldehyde (10.424)
-Endosulfan sulfate (10.624)
-Methoxychlor (11.271)
-Endrin ketone (11.514)
-Decachlorobiphenyl (12.994)

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a029.d Page: 1
Report Date: 06/09/2008 12:26

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052206	SampleType	: MS
Injection Date	: 06/07/2008 15:05	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 20806052206*10ms		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.b/pest35MS.m		
Dilution	: 10		
Matrix	: SOIL		
Integrator	: Falcon	Compound Sublist	: pest

Original



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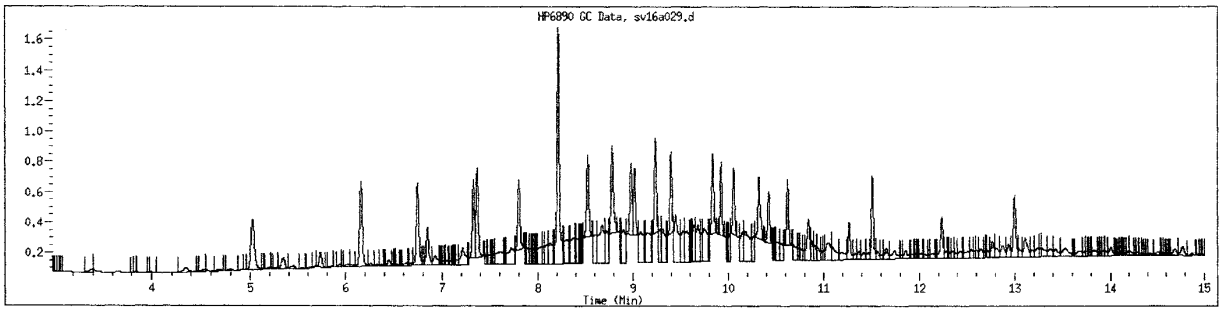


171140

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED3 MSD

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30 | Units: g | Lab Sample ID: 20806052207

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 1200

% Moisture: 14.2 | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/07/08 | Time: 1524

Soil Aliquot Volume: (µL) | Dilution Factor: 10 | Analyst: TLS

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

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

Prep Batch: 375037 | Analytical Batch: 375231 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080606/sv16a030

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.015	J	0.00519	0.023
72-55-9	4,4'-DDE	0.014	J	0.00449	0.023
50-29-3	4,4'-DDT	0.00973	J	0.00501	0.023
309-00-2	Aldrin	0.014		0.00443	0.012
60-57-1	Dieldrin	0.013	J	0.00437	0.023
959-98-8	Endosulfan I	0.012		0.00420	0.012
33213-65-9	Endosulfan II	0.014	J	0.00507	0.023
1031-07-8	Endosulfan sulfate	0.014	J	0.00530	0.023
72-20-8	Endrin	0.015	J	0.00524	0.023
7421-93-4	Endrin aldehyde	0.013	J	0.00583	0.023
53494-70-5	Endrin ketone	0.015	J	0.00530	0.023
76-44-8	Heptachlor	0.015		0.00390	0.012
1024-57-3	Heptachlor epoxide	0.015		0.00420	0.012
72-43-5	Methoxychlor	0.011	J	0.00641	0.117
8001-35-2	Toxaphene	1.17	U	0.055	1.17
319-84-6	alpha-BHC	0.014		0.00390	0.012
5103-71-9	alpha-Chlordane	0.013		0.00402	0.012
319-85-7	beta-BHC	0.015	J	0.00484	0.023
319-86-8	delta-BHC	0.014		0.00507	0.012
58-89-9	gamma-BHC (Lindane)	0.015		0.00367	0.012
5103-74-2	gamma-Chlordane	0.014		0.00425	0.012

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a030.d
Report Date: 09-Jun-2008 12:26

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a030.d
Lab Smp Id: 20806052207
Inj Date : 07-JUN-2008 15:24
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052207*10ms
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:26 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 30 QC Sample: MSD
Dil Factor: 10.00000
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	10.00000	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	5.017	5.017	0.000	61952924	7.90969	13
2 alpha-BHC	6.143	6.145	-0.002	75693283	7.38626	12
3 gamma-BHC (Lindane)	6.732	6.733	-0.001	66242560	7.49855	12
6 beta-BHC	6.835	6.834	0.001	30025841	7.94186	13
4 Heptachlor	7.316	7.323	-0.007	59355661	7.61495	13
7 delta-BHC	7.355	7.363	-0.008	64128678	7.36579	12
5 Aldrin	7.790	7.792	-0.002	60131280	7.17237	12
8 Heptachlor epoxide	8.518	8.519	-0.001	56791514	7.67612	13
10 gamma-Chlordane	8.773	8.773	0.000	54639190	7.19458	12
11 alpha-Chlordane	8.971	8.985	-0.014	45017482	6.57316	11
9 Endosulfan I	9.008	9.022	-0.014	41664951	6.16211	10
12 4,4'-DDE	9.229	9.227	0.002	53387632	7.04284	12

171142

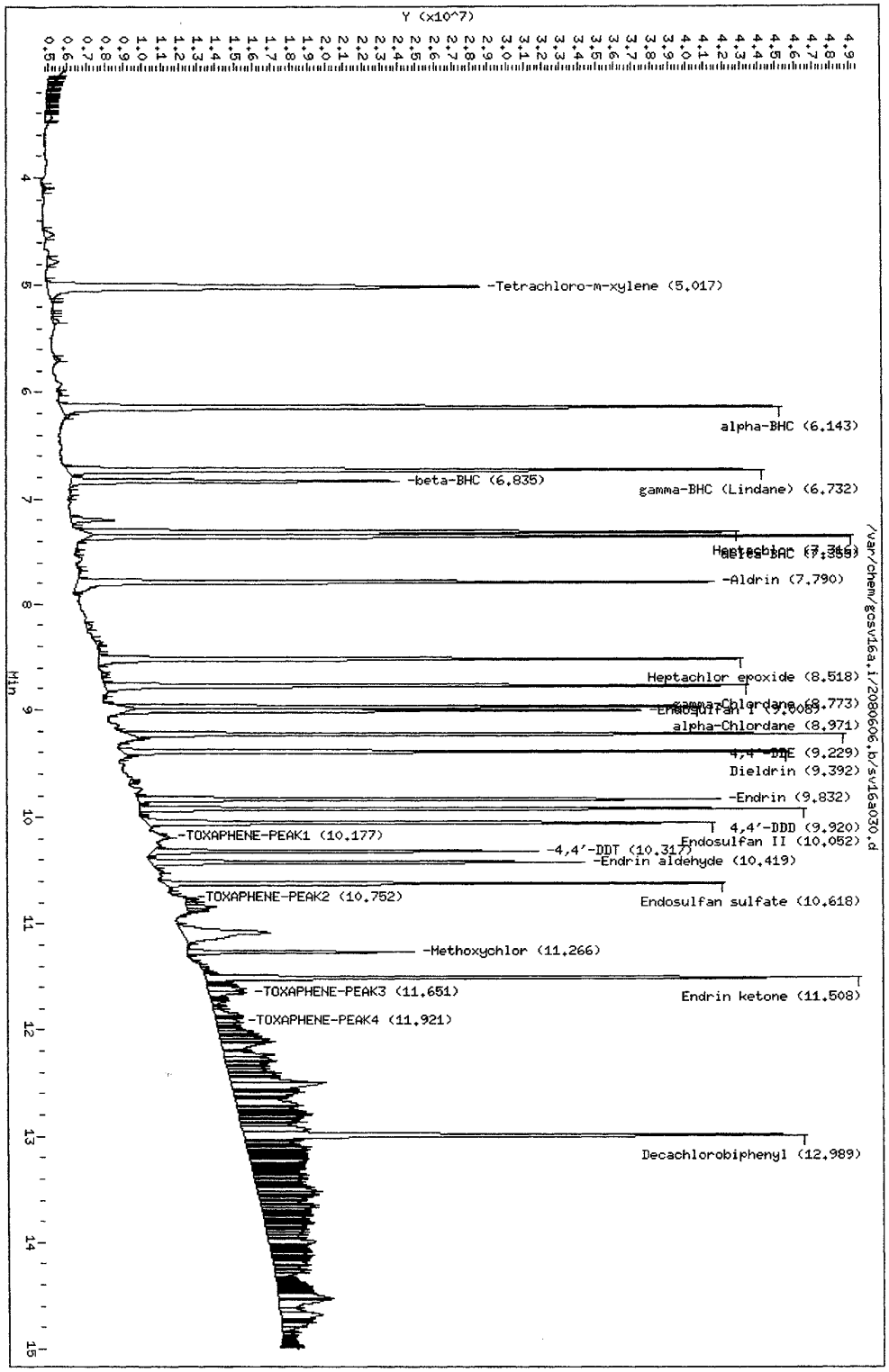
Data File: /var/chem/gcsv16a.i/2080606.b/sv16a030.d
Report Date: 09-Jun-2008 12:26

			RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
	13	Dieldrin	9.392	9.391	0.001	53041320	6.75146	11
	14	Endrin	9.832	9.833	-0.001	46485109	7.66785	13
	15	4,4'-DDD	9.920	9.921	-0.001	48710730	7.66270	13
	16	Endosulfan II	10.052	10.051	0.001	45815363	6.94191	12
	17	4,4'-DDT	10.317	10.317	0.000	29362983	5.01078	8.4
	18	Endrin aldehyde	10.419	10.419	0.000	34696204	6.79754	11
	20	Endosulfan sulfate	10.618	10.619	-0.001	42724232	7.38536	12
	19	Methoxychlor	11.266	11.294	-0.028	16475025	5.54810	9.2
	21	Endrin ketone	11.508	11.513	-0.005	51847131	7.89731	13
$	22	Decachlorobiphenyl	12.989	12.991	-0.002	56364788	9.72304	16
M	65	TOXAPHENE-AVG				7179420	9.39570	16
	66	TOXAPHENE-PEAK1	10.177	10.178	-0.001	189937	0.90671	1.5(a)
	67	TOXAPHENE-PEAK2	10.752	10.742	0.010	254779	1.00650	1.7(a)
	68	TOXAPHENE-PEAK3	11.651	11.652	-0.001	3990512	24.6266	41
	69	TOXAPHENE-PEAK4	11.921	11.897	0.024	2744192	19.6765	33

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

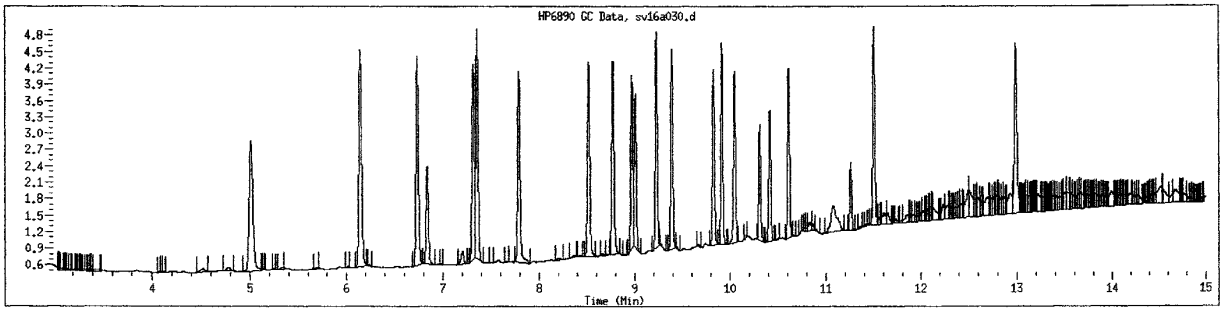
171143


Data File: /var/chem/gcsv16a.i/20080606.b/sv16a030.d
Date : 07-JUN-2008 15:24
Client ID:
Sample Info: 20080605220?x10ms
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/20080606.b/sv16a030.d
-Tetrachloro-m-xylene (5.017)
alpha-BHC (6.143)
-beta-BHC (6.835)
gamma-BHC (Lindane) (6.732)
-Aldrin (7.790)
Heptachlor epoxide (8.518)
alpha-Chlordane (8.971)
Dieldrin (9.392)
-Endrin (9.832)
-TOXAPHENE-PEAK1 (10.177)
-4,4'-DDT (10.317)
-Endrin aldehyde (10.419)
-TOXAPHENE-PEAK2 (10.752)
Endosulfan sulfate (10.618)
-Methoxychlor (11.266)
-TOXAPHENE-PEAK3 (11.651)
Endrin ketone (11.508)
-TOXAPHENE-PEAK4 (11.921)
Decachlorobiphenyl (12.989)

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a030.d Page: 1
Report Date: 06/09/2008 12:26

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052207 SampleType : MSD
Injection Date: 06/07/2008 15:24 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20806052207*10ms
Misc Info :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Dilution : 10
Matrix : SOIL
Integrator : Falcon Compound Sublist: pest



NO MANUAL INTEGRATIONS

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	6/5/08 1530	BATCH NO:	375037
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 375037 [EXTO/20418]	611523	30.0	5.0		Pest	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 375037 [EXTO/20418	611524	30.0	5.0			
3	QC ACCOUNT	LCSD for HBN 375037 [EXTO/2041	611525	30.0	5.0			SEPARATORY FUNNEL/3510
4	4482	4WSED3	20806052205	30.2	5.0			
5	4482	4WSED3 MS	20806052206	30.0	5.0			GPC CLEANUP/3640
6	4482	4WSED3 MSD	20806052207	30.0	5.0			
7	4482	4WSED2	20806052208	30.1	5.0			SONICATOR/3550
8	4482	SE600	20806052209	30.4	5.0			✓
9	4482	SWSED8	20806052210	30.2	5.0			FLORISIL CLEANUP/3620
10	4482	2WSED10	20806052211	30.4	5.0			
11	4565	D-1	20805290901	30.1	10.0			PCB H2So4/3665A CLEANUP
12	4565	B-3	20805290910	30.3	10.0			
13	4565	BG	20805290912	30.0	10.0			WASTE DILUTION/3580
14								
15								TCLP EXTRACTION FLUID 1
16								
17								TCLP EXTRACTION FLUID 2
18								
19								MECL2/Acetone No:
20								G7 E15
21				SKS				ACETONE LOT NO:
22								
23					06/06/08			MECL2 Lot No:
24								G7 E29
25								HEXANE Lot No:
26								GCU E37
27								Sodium Sulfate Lot No:
28								B40U17

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

SURROGATE ID	480-53-7	8081 SPIKE ID		608 SPIKE ID	480-55-4	TECHNICIAN	DATE
VOLUME	1.0ml	VOLUME		VOLUME	1.0ml	K. Berry	6/5/08
CONCENTRATION	0.5ug/ml	CONCENTRATION		CONCENTRATION	0.5ug/ml		
ACID						SUPERVISOR	DATE
SPIKE WITNESS						John Bailey	06/06/08

171146

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	6/~~4~~5/08 1545	BATCH NO:	375060
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 375060 [EXTO/20422]	611654	1000	5.0	7	PEST	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 375060 [EXTO/20422	611655	1000	5.0	7		
3	QC ACCOUNT	LCSD for HBN 375060 [EXTO/2042	611656	1000	5.0	7		SEPARATORY FUNNEL/3510 ✓
4	4482	SE-060408-EB	20806052212	990	5.0	7		
5	4482	SE-060408-FB	20806052213	990	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:
24								G17E29
25								HEXANE Lot No:
26								G06E37
27								Sodium Sulfate Lot No:
28								E40617

SKB 06/06/08

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

SURROGATE ID	430-S3-7	8081 SPIKE ID		608 SPIKE ID	430-S5-4	TECHNICIAN	DATE
VOLUME	1.0mL	VOLUME		VOLUME	1.0mL	[signature]	6/5/08
CONCENTRATION	0.5ug/mL	CONCENTRATION		CONCENTRATION	0.5ug/mL		
ACID						SUPERVISOR	DATE
SPIKE WITNESS	KCS					John Bailey	06/06/08

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 05/30/2008
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2080529.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	29-MAY-2008 17:39	1.000	tls	2	deg
1206		sv16a003.d	1000.00 ml	29-MAY-2008 17:58	1.000	tls	3	8081
1201		sv16a004.d	1000.00 ml	29-MAY-2008 18:16	1.000	tls	4	8081
1202		sv16a005.d	1000.00 ml	29-MAY-2008 18:35	1.000	tls	5	8081
1203		sv16a006.d	1000.00 ml	29-MAY-2008 18:54	1.000	tls	6	8081
1204		sv16a007.d	1000.00 ml	29-MAY-2008 19:13	1.000	tls	7	8081
1205		sv16a008.d	1000.00 ml	29-MAY-2008 19:31	1.000	tls	8	8081
1600		sv16a009.d	1.00 ml	29-MAY-2008 19:50	1.000	tls	9	8081
1205		sv16a010.d	1000.00 ml	29-MAY-2008 20:09	1.000	tls	10	chlor
1201		sv16a011.d	1000.00 ml	29-MAY-2008 20:28	1.000	tls	11	tox
1205		sv16a012.d	1000.00 ml	29-MAY-2008 20:46	1.000	tls	12	tox
1203		sv16a013.d	1000.00 ml	29-MAY-2008 21:06	1.000	tls	13	aro1221
1203		sv16a014.d	1000.00 ml	29-MAY-2008 21:25	1.000	tls	14	aro1232
1203		sv16a015.d	1000.00 ml	29-MAY-2008 21:43	1.000	tls	15	aro1242
1203		sv16a016.d	1000.00 ml	29-MAY-2008 22:02	1.000	tls	16	aro1248
1203		sv16a017.d	1000.00 ml	29-MAY-2008 22:21	1.000	tls	17	aro1254
1203		sv16a018.d	1000.00 ml	29-MAY-2008 22:39	1.000	tls	18	ar1262
1203		sv16a019.d	1000.00 ml	29-MAY-2008 22:58	1.000	tls	19	ar1268
1206		sv16a020.d	1000.00 ml	29-MAY-2008 23:17	1.000	tls	20	aro1260
1201		sv16a021.d	1000.00 ml	29-MAY-2008 23:35	1.000	tls	21	aro1260
1202		sv16a022.d	1000.00 ml	29-MAY-2008 23:54	1.000	tls	22	aro1260
1203		sv16a023.d	1000.00 ml	30-MAY-2008 00:13	1.000	tls	23	aro1260
1204		sv16a024.d	1000.00 ml	30-MAY-2008 00:31	1.000	tls	24	aro1260
1205		sv16a025.d	1000.00 ml	30-MAY-2008 00:50	1.000	tls	25	aro1260
1600		sv16a026.d	1.00 ml	30-MAY-2008 01:09	1.000	tls	26	aro1260
deg		sv16a027.d	1000.00 ml	30-MAY-2008 01:28	1.000	tls	27	deg
1400		sv16a041.d	1000.00 ml	30-MAY-2008 05:50	1.000	tls	41	aro1260
1400		sv16a042.d	1000.00 ml	30-MAY-2008 06:08	1.000	tls	42	aro1260
1400		sv16a043.d	1000.00 ml	30-MAY-2008 06:27	1.000	tls	43	8081
1400		sv16a044.d	1000.00 ml	30-MAY-2008 06:46	1.000	tls	44	8081

171148

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 06/09/2008
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2080606.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	06-JUN-2008 09:29	1.000	tls	2	deg
1400		sv16a003.d	1000.00 ml	06-JUN-2008 09:48	1.000	tls	3	8081
1400		sv16a004.d	1000.00 ml	06-JUN-2008 12:15	1.000	tls	4	aro1260
20806052205		sv16a005.d	30.20 g	06-JUN-2008 13:03	1.000	tls	5	all
20806052205		sv16a006.d	30.20 g	06-JUN-2008 13:51	5.000	tls	6	all
20806052205		sv16a007.d	30.20 g	06-JUN-2008 14:15	10.000	tls	7	all
20806052208		sv16a008.d	30.10 g	06-JUN-2008 14:37	1.000	tls	8	all
20806052209		sv16a009.d	30.40 g	06-JUN-2008 14:56	1.000	tls	9	all
20806052210		sv16a010.d	30.20 g	06-JUN-2008 15:15	1.000	tls	10	all
20806052211		sv16a011.d	30.40 g	06-JUN-2008 15:33	1.000	tls	11	all
1400		sv16a012.d	1000.00 ml	06-JUN-2008 15:52	1.000	tls	12	8081
1400		sv16a013.d	1000.00 ml	06-JUN-2008 16:38	1.000	tls	13	8081
1400		sv16a014.d	1000.00 ml	06-JUN-2008 17:04	1.000	tls	14	aro1260
1400		sv16a015.d	1000.00 ml	06-JUN-2008 17:23	1.000	tls	15	aro1260
611523		sv16a016.d	30.00 g	06-JUN-2008 17:42	1.000	tls	16	all
611524		sv16a017.d	30.00 g	06-JUN-2008 18:00	1.000	tls	17	8081
611525		sv16a018.d	30.00 g	06-JUN-2008 18:19	1.000	tls	18	8081
611527		sv16a019.d	30.00 g	06-JUN-2008 18:38	1.000	tls	19	ar1260s
611528		sv16a020.d	30.00 g	06-JUN-2008 18:56	1.000	tls	20	ar1260s
1400		sv16a021.d	1000.00 ml	06-JUN-2008 19:15	1.000	tls	21	aro1260
1400		sv16a022.d	1000.00 ml	06-JUN-2008 19:34	1.000	tls	22	aro1260
1400		sv16a023.d	1000.00 ml	06-JUN-2008 19:53	1.000	tls	23	8081
1400		sv16a024.d	1000.00 ml	06-JUN-2008 20:11	1.000	tls	24	8081
deg		sv16a025.d	1000.00 ml	07-JUN-2008 11:05	1.000	tls	25	deg
1400		sv16a026.d	1000.00 ml	07-JUN-2008 11:23	1.000	tls	26	8081
1400		sv16a027.d	1000.00 ml	07-JUN-2008 14:17	1.000	tls	27	aro1260
611526		sv16a028.d	30.00 g	07-JUN-2008 14:40	1.000	tls	28	all
20806052206		sv16a029.d	30.00 g	07-JUN-2008 15:05	10.000	tls	29	pest
20806052207		sv16a030.d	30.00 g	07-JUN-2008 15:24	10.000	tls	30	pest
20806052206		sv16a031.d	30.00 g	07-JUN-2008 15:42	10.000	tls	31	pcb
20806052207		sv16a032.d	30.00 g	07-JUN-2008 16:01	10.000	tls	32	pcb
1400		sv16a033.d	1000.00 ml	07-JUN-2008 16:20	1.000	tls	33	8081
1400		sv16a034.d	1000.00 ml	07-JUN-2008 17:26	1.000	tls	34	8081
1400		sv16a035.d	1000.00 ml	07-JUN-2008 17:46	1.000	tls	35	aro1260
1400		sv16a036.d	1000.00 ml	07-JUN-2008 18:10	1.000	tls	36	aro1260
1400		sv16a037.d	1000.00 ml	07-JUN-2008 19:07	1.000	tls	37	8081

171149

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 06/11/2008
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2080608.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	08-JUN-2008 12:44	1.000	tls	2	deg
1400		sv16a003.d	1000.00 ml	08-JUN-2008 13:03	1.000	tls	3	8081
1400		sv16a004.d	1000.00 ml	08-JUN-2008 13:22	1.000	tls	4	aro1260
610912		sv16a005.d	1000.00 ml	08-JUN-2008 16:47	1.000	tls	5	all
610913		sv16a006.d	1000.00 ml	08-JUN-2008 17:06	1.000	tls	6	8081
20806032702		sv16a007.d	980.00 ml	08-JUN-2008 17:24	1.000	tls	7	all
611657		sv16a009.d	1000.00 ml	08-JUN-2008 18:02	1.000	tls	9	all
611655		sv16a010.d	1000.00 ml	08-JUN-2008 18:20	1.000	tls	10	8081
611656		sv16a011.d	1000.00 ml	08-JUN-2008 18:39	1.000	tls	11	8081
611658		sv16a012.d	1000.00 ml	08-JUN-2008 18:58	1.000	tls	12	ar1260s
611659		sv16a013.d	1000.00 ml	08-JUN-2008 19:17	1.000	tls	13	ar1260s
20806052212		sv16a014.d	990.00 ml	08-JUN-2008 19:35	1.000	tls	14	all
20806052213		sv16a015.d	990.00 ml	08-JUN-2008 19:54	1.000	tls	15	all
1400		sv16a016.d	1000.00 ml	08-JUN-2008 20:13	1.000	tls	16	aro1260
1400		sv16a017.d	1000.00 ml	08-JUN-2008 20:31	1.000	tls	17	aro1260
1400		sv16a018.d	1000.00 ml	08-JUN-2008 20:50	1.000	tls	18	8081
1400		sv16a019.d	1000.00 ml	08-JUN-2008 21:09	1.000	tls	19	8081
611648		sv16a020.d	1000.00 ml	08-JUN-2008 21:27	1.000	tls	20	all
611649		sv16a021.d	1000.00 ml	08-JUN-2008 21:46	1.000	tls	21	8081
611650		sv16a022.d	1000.00 ml	08-JUN-2008 22:05	1.000	tls	22	8081
611652		sv16a023.d	1000.00 ml	08-JUN-2008 22:23	1.000	tls	23	ar1260s
611653		sv16a024.d	1000.00 ml	08-JUN-2008 22:42	1.000	tls	24	ar1260s
613164		sv16a025.d	30.00 g	08-JUN-2008 23:01	1.000	tls	25	pcb
613165		sv16a026.d	30.00 g	08-JUN-2008 23:19	1.000	tls	26	ar1260s
613166		sv16a027.d	30.00 g	08-JUN-2008 23:38	1.000	tls	27	ar1260s
1400		sv16a028.d	1000.00 ml	08-JUN-2008 23:57	1.000	tls	28	aro1260
1400		sv16a029.d	1000.00 ml	09-JUN-2008 00:16	1.000	tls	29	aro1260
1400		sv16a030.d	1000.00 ml	09-JUN-2008 00:35	1.000	tls	30	8081
1400		sv16a031.d	1000.00 ml	09-JUN-2008 00:53	1.000	tls	31	8081
20805305601		sv16a032.d	30.10 g	09-JUN-2008 01:12	1.000	tls	32	pcb
613167		sv16a034.d	30.40 g	09-JUN-2008 01:49	1.000	tls	34	pcb
613168		sv16a036.d	30.00 g	09-JUN-2008 02:27	1.000	tls	36	pcb
20806042806		sv16a038.d	1000.00 ml	09-JUN-2008 03:04	1.000	tls	38	all
20806042807		sv16a041.d	1000.00 ml	09-JUN-2008 04:00	1.000	tls	41	all
1400		sv16a044.d	1000.00 ml	09-JUN-2008 04:56	1.000	tls	44	aro1260
1400		sv16a045.d	1000.00 ml	09-JUN-2008 05:15	1.000	tls	45	aro1260

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 06/10/2008
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2080609.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2080609.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	09-JUN-2008 10:46	1.000	tls	2	deg
1400		sv16a003.d	1000.00 ml	09-JUN-2008 11:04	1.000	tls	3	8081
1400		sv16a004.d	1000.00 ml	09-JUN-2008 11:23	1.000	tls	4	aro1260
20806052210		sv16a006.d	30.20 g	09-JUN-2008 13:52	1.000	tls	6	all
20806042806		sv16a007.d	1000.00 ml	09-JUN-2008 14:23	10.000	tls	7	all
20806042807		sv16a008.d	1000.00 ml	09-JUN-2008 14:42	10.000	tls	8	all
1400		sv16a009.d	1000.00 ml	09-JUN-2008 15:00	1.000	tls	9	8081
1400		sv16a010.d	1000.00 ml	09-JUN-2008 15:42	1.000	tls	10	aro1260

171151

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 05/30/2008
Instrument: gcsv16b.i
Method File: /var/chem/gcsv16b.i/2080529.b/pestXLB.m
Batch: /var/chem/gcsv16b.i/2080529.b
Column-Detector: RTX-XLB-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv16b002.d	1000.00 ml	29-MAY-2008 17:58	1.000	tls	2	deg
1206		sv16b003.d	1000.00 ml	29-MAY-2008 18:16	1.000	tls	3	8081
1201		sv16b004.d	1000.00 ml	29-MAY-2008 18:35	1.000	tls	4	8081
1202		sv16b005.d	1000.00 ml	29-MAY-2008 18:54	1.000	tls	5	8081
1203		sv16b006.d	1000.00 ml	29-MAY-2008 19:13	1.000	tls	6	8081
1204		sv16b007.d	1000.00 ml	29-MAY-2008 19:31	1.000	tls	7	8081
1205		sv16b008.d	1000.00 ml	29-MAY-2008 19:50	1.000	tls	8	8081
1600		sv16b009.d	1.00 ml	29-MAY-2008 20:09	1.000	tls	9	8081
1205		sv16b010.d	1000.00 ml	29-MAY-2008 20:28	1.000	tls	10	chlor
1201		sv16b011.d	1000.00 ml	29-MAY-2008 20:46	1.000	tls	11	tox
1205		sv16b012.d	1000.00 ml	29-MAY-2008 21:06	1.000	tls	12	tox
1203		sv16b013.d	1000.00 ml	29-MAY-2008 21:25	1.000	tls	13	aro1221
1203		sv16b014.d	1000.00 ml	29-MAY-2008 21:43	1.000	tls	14	aro1232
1203		sv16b015.d	1000.00 ml	29-MAY-2008 22:02	1.000	tls	15	aro1242
1203		sv16b016.d	1000.00 ml	29-MAY-2008 22:21	1.000	tls	16	aro1248
1203		sv16b017.d	1000.00 ml	29-MAY-2008 22:39	1.000	tls	17	aro1254
1203		sv16b018.d	1000.00 ml	29-MAY-2008 22:58	1.000	tls	18	ar1262
1203		sv16b019.d	1000.00 ml	29-MAY-2008 23:17	1.000	tls	19	ar1268
1206		sv16b020.d	1000.00 ml	29-MAY-2008 23:35	1.000	tls	20	aro1260
1201		sv16b021.d	1000.00 ml	29-MAY-2008 23:54	1.000	tls	21	aro1260
1202		sv16b022.d	1000.00 ml	30-MAY-2008 00:13	1.000	tls	22	aro1260
1203		sv16b023.d	1000.00 ml	30-MAY-2008 00:31	1.000	tls	23	aro1260
1204		sv16b024.d	1000.00 ml	30-MAY-2008 00:50	1.000	tls	24	aro1260
1205		sv16b025.d	1000.00 ml	30-MAY-2008 01:09	1.000	tls	25	aro1260
1600		sv16b026.d	1.00 ml	30-MAY-2008 01:28	1.000	tls	26	aro1260
deg		sv16b027.d	1000.00 ml	30-MAY-2008 01:46	1.000	tls	27	deg
608919		sv16b028.d	1000.00 ml	30-MAY-2008 02:05	1.000	tls	28	all
608920		sv16b029.d	1000.00 ml	30-MAY-2008 02:24	1.000	tls	29	8081
608921		sv16b030.d	1000.00 ml	30-MAY-2008 02:43	1.000	tls	30	8081
lcs		sv16b031.d	1000.00 ml	30-MAY-2008 03:01	1.000	tls	31	ar1260s
lcsd		sv16b032.d	1000.00 ml	30-MAY-2008 03:20	1.000	tls	32	ar1260s
20805233301		sv16b033.d	100.00 ml	30-MAY-2008 03:39	1.000	tls	33	pest
20805233302		sv16b034.d	100.00 ml	30-MAY-2008 03:58	1.000	tls	34	pest
608929		sv16b035.d	100.00 ml	30-MAY-2008 04:16	1.000	tls	35	pest
608930		sv16b036.d	100.00 ml	30-MAY-2008 04:35	1.000	tls	36	pest
20805202501		sv16b037.d	930.00 ml	30-MAY-2008 04:54	1.000	tls	37	all

171152

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 06/11/2008
Instrument: gcsv16b.i
Method File: /var/chem/gcsv16b.i/2080609.b/pestXLB.m
Batch: /var/chem/gcsv16b.i/2080609.b
Column-Detector: RTX-XLB-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv16b002.d	1000.00 ml	09-JUN-2008 11:04	1.000	tls	2	deg
1400		sv16b003.d	1000.00 ml	09-JUN-2008 11:23	1.000	tls	3	8081
1400		sv16b004.d	1000.00 ml	09-JUN-2008 11:42	1.000	tls	4	aro1260
1400		sv16b005.d	1000.00 ml	09-JUN-2008 12:55	1.000	tls	5	8081
20806052210		sv16b006.d	30.20 g	09-JUN-2008 14:23	1.000	tls	6	8081
1400		sv16b009.d	1000.00 ml	09-JUN-2008 15:42	1.000	tls	9	8081
1400		sv16b010.d	1000.00 ml	09-JUN-2008 16:05	1.000	tls	10	aro1260

171153

2E

WATER ORGANIC SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

GC Column (1): RTX-35MS-3 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.	SE-060408-EB	49	34	135														0
2.	SE-060408-FB	62	34	135														0
3.	MB611657	77	34	135														0
4.	LCS611658	73	34	135														0
5.	LCSD611659	80	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.: 208060522

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. 4WSED3	0	D							0
2. 4WSED3 MS	0	D							0
3. 4WSED3 MSD	0	D							0
4. 4WSED2	125								0
5. SE600	119								0
6. SWSED8	62								0
7. 2WSED10	79								0
8. MB611526	92								0
9. LCS611527	75								0
10. LCSD611528	73								0

CONTROL LIMITS

SMC 1 : Decachlorobiphenyl 38 137

SMC 2 :

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.: 208060522

Contract: Method: SW-846 8082

Prep Batch: 375061 Analytical Batch: 375341

SAMPLE NO : 611658

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
Aroclor-1016	mg/L	.004	0	.00306	77		55 - 131
Aroclor-1260	mg/L	.004	0	.0031	78		51 - 138

SAMPLE NO : 611659

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	*REC FLAG*	*% RPD*	*RPD FLAG*	*QC. LIMITS REC*	*RPD*
Aroclor-1016	mg/L	.004	.00326	82		6		55 - 131	0 - 35
Aroclor-1260	mg/L	.004	.00337	84		8		51 - 138	0 - 34

RPD : 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

3F

SOILORGANIC MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 4WSED3

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Contract: Method: SW-846 8082

Prep Batch: 375038 Analytical Batch: 375232

Spike HSN : 20806052206

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*MS % REC FLAG*	*QC. LIMITS*
Aroclor-1016	mg/kg	.155	0	.112	72		40 - 154
Aroclor-1260	mg/kg	.155	0	.121	78		40 - 168

Spike Dupe HSN : 20806052207

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	*REC FLAG*	*% RPD*	*RPD FLAG*	*QC. LIMITS REC*	*QC. LIMITS RPD*
Aroclor-1016	mg/kg	.155	.119	77		6		40 - 154	0 - 43
Aroclor-1260	mg/kg	.155	.158	102		27		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.: 208060522

Contract: Method: SW-846 8082

Prep Batch: 375038 Analytical Batch: 375232

Spike HSN : 611527

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
Aroclor-1016	mg/kg	.133	0	.093	69		62 - 124
Aroclor-1260	mg/kg	.133	0	.1	75		62 - 129

Spike Dupe HSN : 611528

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	*REC FLAG*	*% RPD*	*RPD FLAG*	*QC. LIMITS REC*	*QC. LIMITS RPD*
Aroclor-1016	mg/kg	.133	.096	72		3		62 - 124	0 - 31
Aroclor-1260	mg/kg	.133	.099	74		1		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: MB611526

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

Lab Sample ID: 611526 | SAS No.: | SDG No.: 208060522

Matrix: Soil | Sulfur Cleanup: (Y/N) N | Date Extracted: 06/05/08

Date Analyzed (1): 06/07/08 | Time (1): 1440 | Date Analyzed (2): | Time (2):

Instrument ID (1): GCS16A | Instrument ID (2):

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

Method: SW-846 8082 | Prep Batch: 375038 | Analytical Batch: 375232

Lab File ID: 2080606/sv16a0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	4WSED3	20806052205	06/06/08	1415		
2.	4WSED2	20806052208	06/06/08	1437		
3.	SE600	20806052209	06/06/08	1456		
4.	2WSED10	20806052211	06/06/08	1533		
5.	LCS611527	611527	06/06/08	1838		
6.	LCSD611528	611528	06/06/08	1856		
7.	4WSED3 MS	20806052206	06/07/08	1542		
8.	4WSED3 MSD	20806052207	06/07/08	1601		
9.	SWSED8	20806052210	06/09/08	1352		

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB611657

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

Lab Sample ID: 611657 | SAS No.: | SDG No.: 208060522

Matrix: Water | Sulfur Cleanup: (Y/N) N | Date Extracted: 06/05/08

Date Analyzed (1): 06/08/08 | Time (1): 1802 | Date Analyzed (2): | Time (2):

Instrument ID (1): GCS16A | Instrument ID (2):

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

Method: SW-846 8082 | Prep Batch: 375061 | Analytical Batch: 375341

Lab File ID: 2080608/sv16a0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS611658	611658	06/08/08	1858		
2.	LCSD611659	611659	06/08/08	1917		
3.	SE-060408-EB	20806052212	06/08/08	1935		
4.	SE-060408-FB	20806052213	06/08/08	1954		

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED3

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30.2 | Units: g | Lab Sample ID: 20806052205

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 1200

% Moisture: 14.2 | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/06/08 | Time: 1415

Soil Aliquot Volume: (µL) | Dilution Factor: 10 | Analyst: TLS

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

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 375038 | Analytical Batch: 375232 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080606/sv16a007

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.232	U	0.018	0.232
11104-28-2	Aroclor-1221	0.232	U	0.055	0.232
11141-16-5	Aroclor-1232	0.232	U	0.055	0.232
53469-21-9	Aroclor-1242	0.232	U	0.063	0.232
12672-29-6	Aroclor-1248	0.232	U	0.035	0.232
11097-69-1	Aroclor-1254	0.232	U	0.055	0.232
11096-82-5	Aroclor-1260	0.232	U	0.023	0.232

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a007.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a007.d
Lab Smp Id: 20806052205
Inj Date : 06-JUN-2008 14:15
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052205*10
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 7
Dil Factor: 10.00000
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

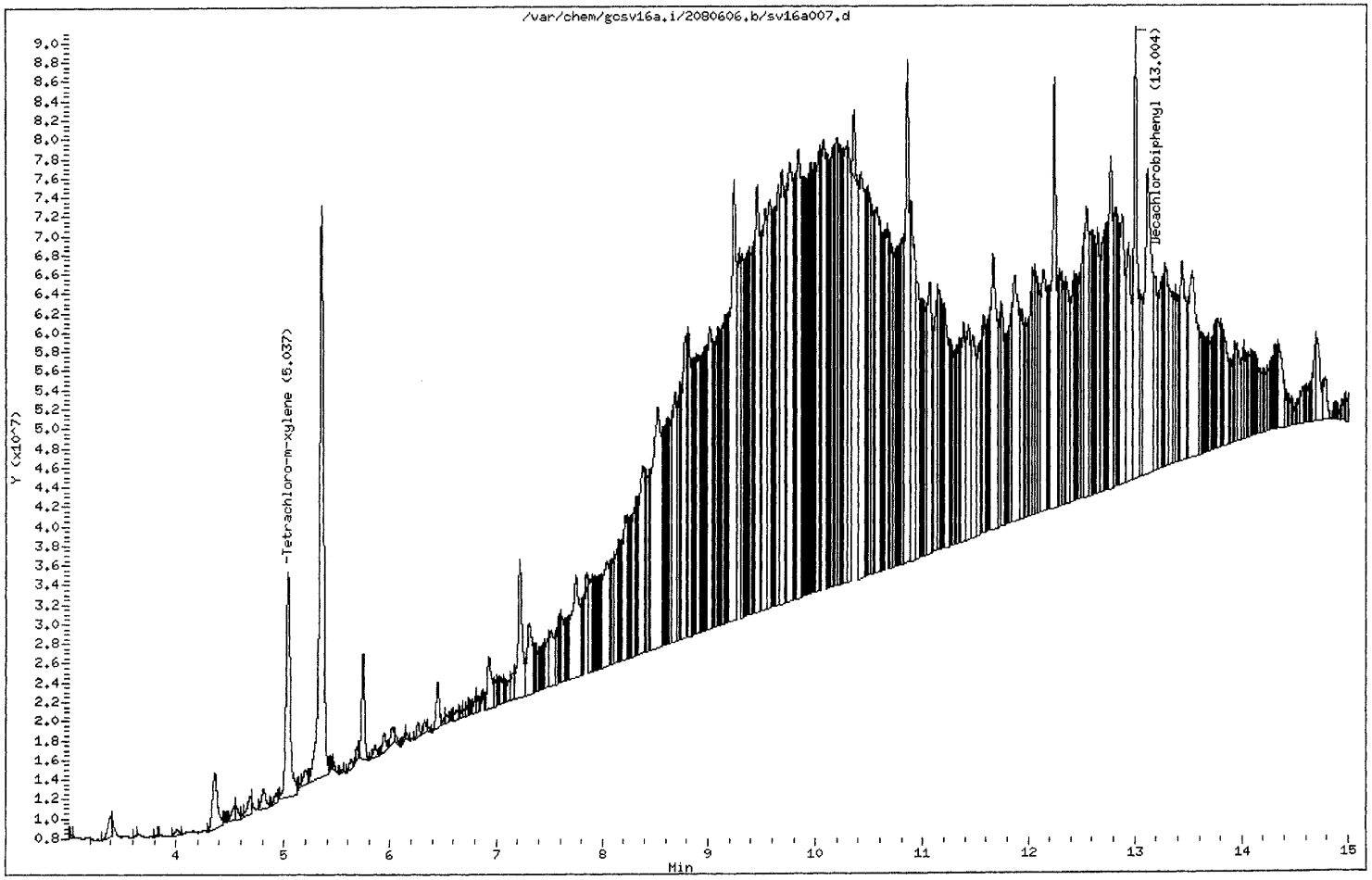
Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.20000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	5.037	5.017	0.020	63437908	8.09928	13
$ 22 Decachlorobiphenyl	13.004	12.990	0.014	117171172	20.2123	33

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a007.d
Date : 06-JUN-2008 14:15
Client ID:
Sample Info: 20806052205x10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

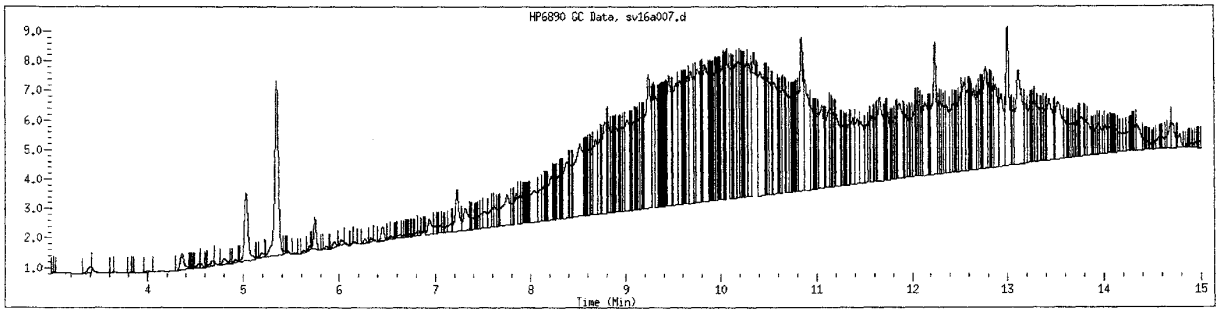
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080606.b/sv16a007.d Page: 1
Report Date: 06/09/2008 12:31

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052205 SampleType : SAMPLE
Injection Date: 06/06/2008 14:15 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20806052205*10
Misc Info :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Dilution : 10
Matrix : SOIL
Integrator : Falcon Compound Sublist: all



NO MANUAL INTEGRATIONS

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED2

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20806052208

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 1245

% Moisture: 33.3 | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/06/08 | Time: 1437

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: 375038 | Analytical Batch: 375232 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080606/sv16a008

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.030	U	0.00229	0.030
11104-28-2	Aroclor-1221	0.030	U	0.00704	0.030
11141-16-5	Aroclor-1232	0.030	U	0.00711	0.030
53469-21-9	Aroclor-1242	0.030	U	0.00815	0.030
12672-29-6	Aroclor-1248	0.030	U	0.00453	0.030
11097-69-1	Aroclor-1254	0.030	U	0.00711	0.030
11096-82-5	Aroclor-1260	0.030	U	0.00293	0.030

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a008.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a008.d
Lab Smp Id: 20806052208
Inj Date : 06-JUN-2008 14:37
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052208*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 8
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

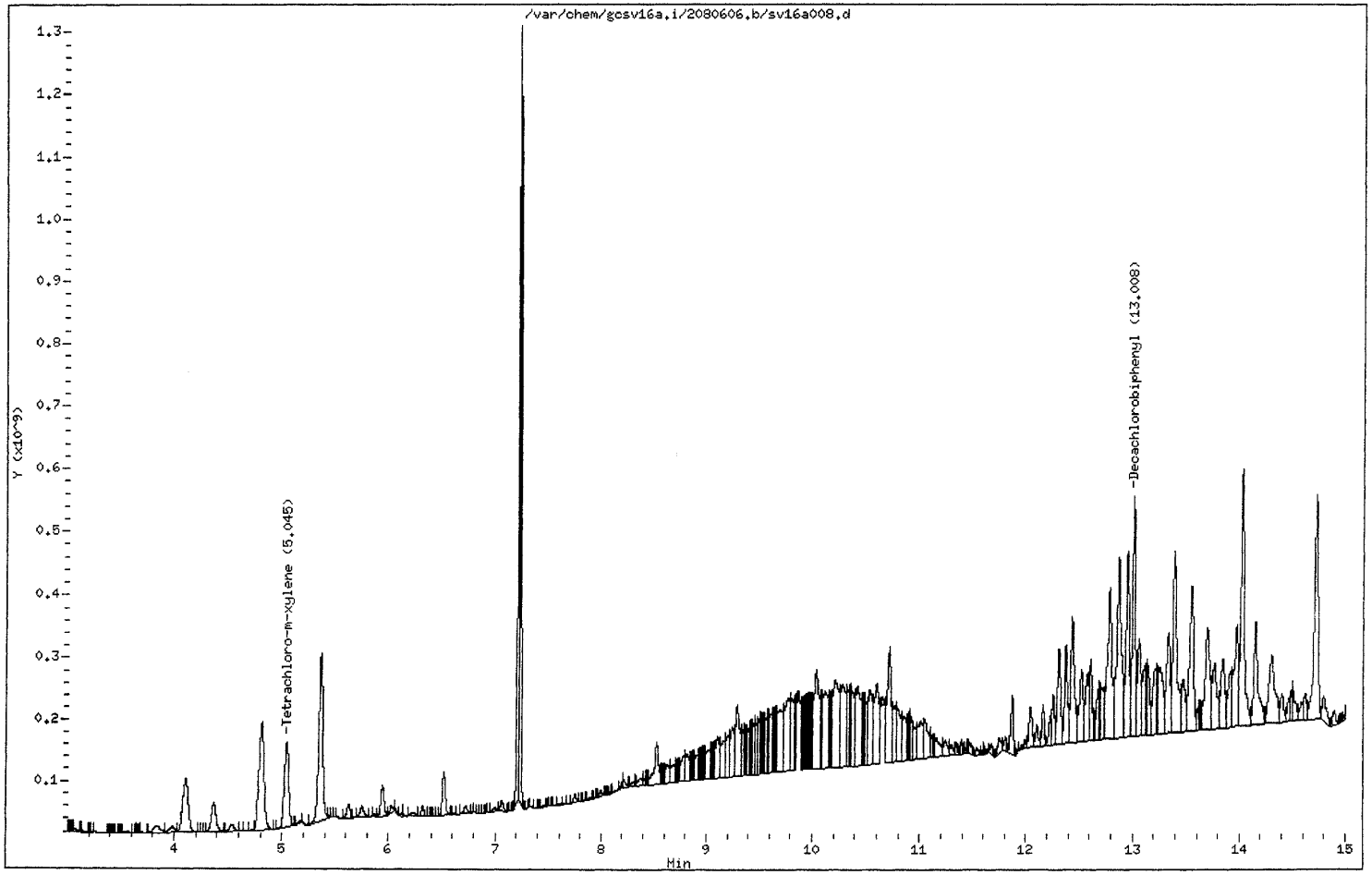
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	5.045	5.017	0.028	376478093	48.0659	8.0
$ 22 Decachlorobiphenyl	13.008	12.990	0.018	725639294	125.174	21

171166

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a008.d
Date : 06-JUN-2008 14:37
Client ID:
Sample Info: 20806052208M1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

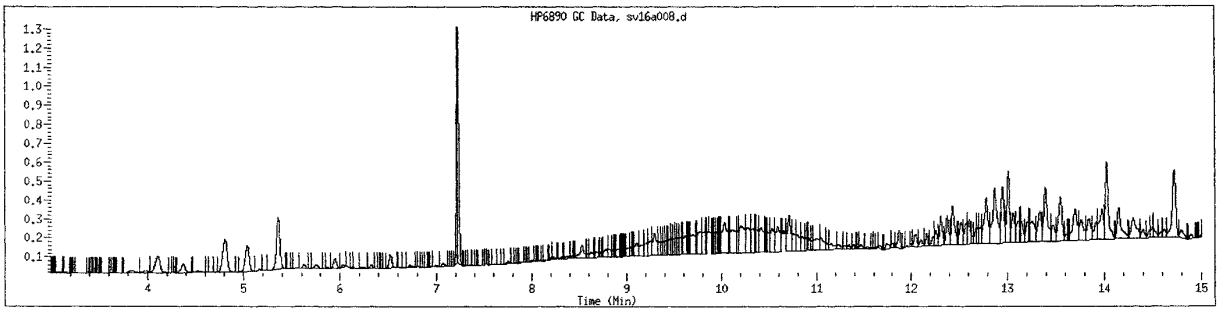
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080606.b/sv16a008.d Page: 1
Report Date: 06/09/2008 12:31

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052208 SampleType : SAMPLE
Injection Date: 06/06/2008 14:37 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20806052208*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: all



NO MANUAL INTEGRATIONS

171168

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SE600

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30.4 | Units: g | Lab Sample ID: 20806052209

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 0000

% Moisture: 32.7 | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/06/08 | Time: 1456

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: 375038 | Analytical Batch: 375232 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080606/sv16a009

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.029	U	0.00224	0.029
11104-28-2	Aroclor-1221	0.029	U	0.00692	0.029
11141-16-5	Aroclor-1232	0.029	U	0.00699	0.029
53469-21-9	Aroclor-1242	0.029	U	0.00800	0.029
12672-29-6	Aroclor-1248	0.029	U	0.00445	0.029
11097-69-1	Aroclor-1254	0.029	U	0.00698	0.029
11096-82-5	Aroclor-1260	0.029	U	0.00288	0.029

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a009.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a009.d
Lab Smp Id: 20806052209
Inj Date : 06-JUN-2008 14:56
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052209*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 9
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	30.40000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

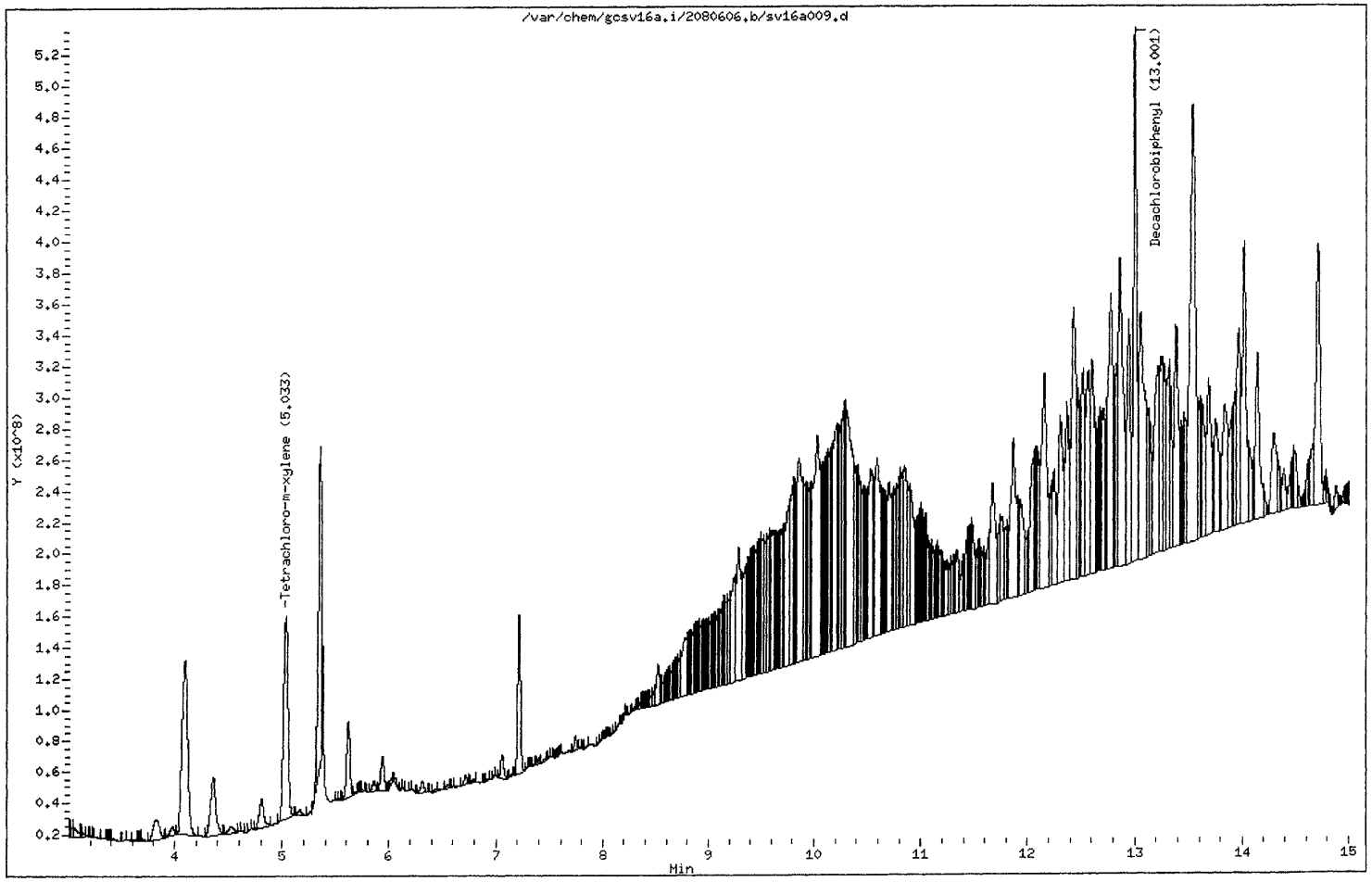
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	5.033	5.017	0.016	373880444	47.7343	7.9
$ 22 Decachlorobiphenyl	13.001	12.990	0.011	691961171	119.365	20

171170

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a009.d
Date : 06-JUN-2008 14:56
Client ID:
Sample Info: 20806052209x1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

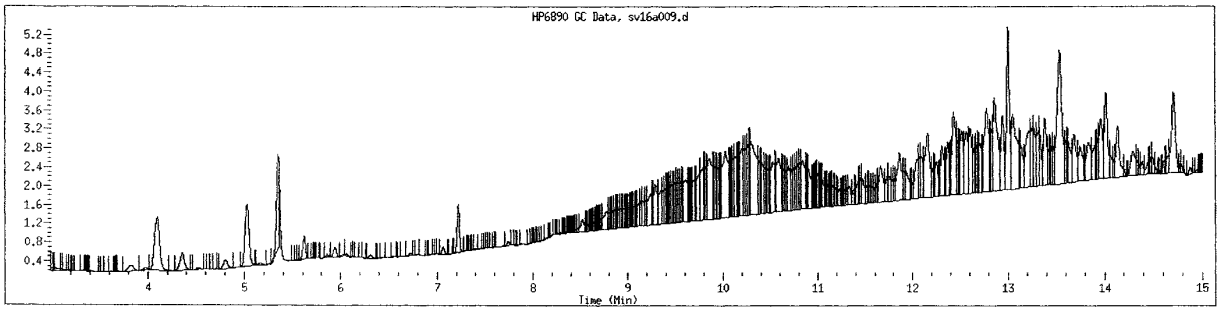
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080606.b/sv16a009.d Page: 1
Report Date: 06/09/2008 12:31

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052209 SampleType : SAMPLE
Injection Date: 06/06/2008 14:56 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20806052209*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080606.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: SWSED8

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30.2 | Units: g | Lab Sample ID: 20806052210

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 1345

% Moisture: 26.4 | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/09/08 | Time: 1352

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: 375038 | Analytical Batch: 375232 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080609/sv16a006

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.027	U	0.00206	0.027
11104-28-2	Aroclor-1221	0.027	U	0.00636	0.027
11141-16-5	Aroclor-1232	0.027	U	0.00643	0.027
53469-21-9	Aroclor-1242	0.027	U	0.00736	0.027
12672-29-6	Aroclor-1248	0.027	U	0.00409	0.027
11097-69-1	Aroclor-1254	0.027	U	0.00642	0.027
11096-82-5	Aroclor-1260	0.027	U	0.00265	0.027

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a006.d
Report Date: 10-Jun-2008 15:44

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080609.b/sv16a006.d
Lab Smp Id: 20806052210
Inj Date : 09-JUN-2008 13:52
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052210*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080609.b/pest35MS.m
Meth Date : 10-Jun-2008 15:10 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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	30.20000	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	5.027	5.015	0.012	454296954	58.0013	9.6
10 gamma-Chlordane	8.754	8.771	-0.017	26775659	3.52567	0.58(M2)
$ 22 Decachlorobiphenyl	12.984	12.988	-0.004	357012109	61.5853	10

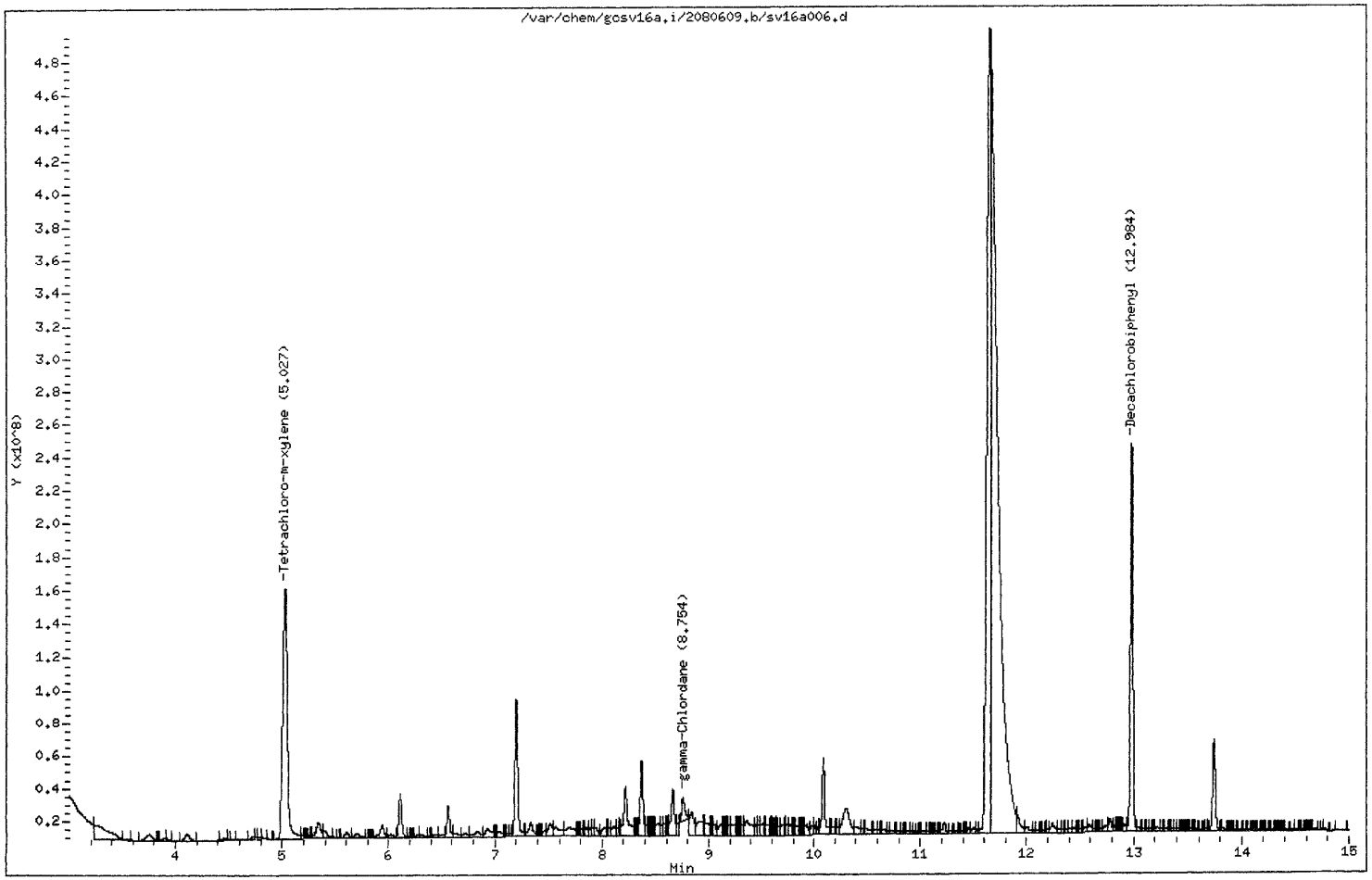
QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

171174

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a006.d
Date : 09-JUN-2008 13:52
Client ID:
Sample Info: 20806052210M1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

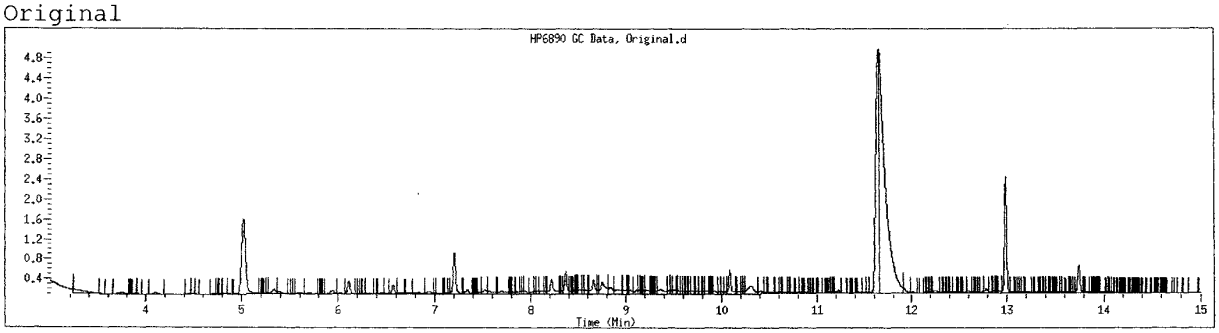


Data file : /var/chem/gcsv16a.i/2080609.b/sv16a006.d Page: 1
Report Date: 06/10/2008 15:44

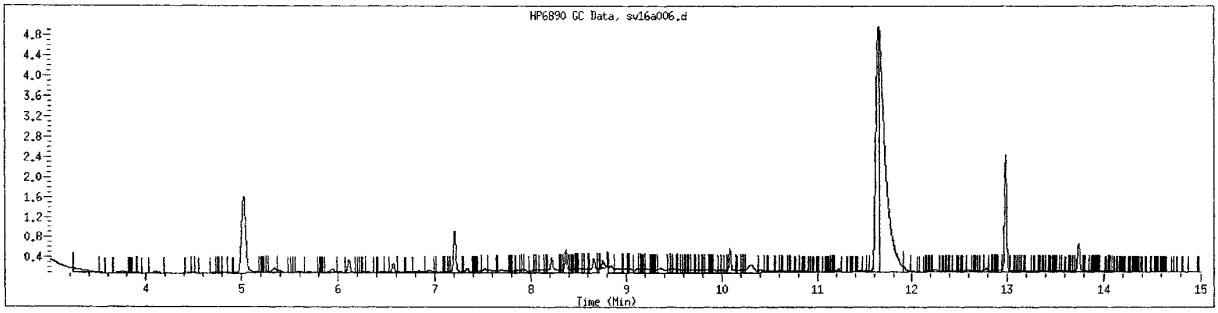
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052210	SampleType	: SAMPLE
Injection Date	: 06/09/2008 13:52	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 20806052210*1		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080609.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: Falcon	Compound Sublist	: all

Original



Final



171176

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED10

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30.4 | Units: g | Lab Sample ID: 20806052211

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 1440

% Moisture: 19.5 | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/06/08 | Time: 1533

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: 375038 | Analytical Batch: 375232 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080606/sv16a011

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.025	U	0.00188	0.025
11104-28-2	Aroclor-1221	0.025	U	0.00578	0.025
11141-16-5	Aroclor-1232	0.025	U	0.00584	0.025
53469-21-9	Aroclor-1242	0.025	U	0.00668	0.025
12672-29-6	Aroclor-1248	0.025	U	0.00371	0.025
11097-69-1	Aroclor-1254	0.025	U	0.00583	0.025
11096-82-5	Aroclor-1260	0.025	U	0.00240	0.025

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a011.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a011.d
Lab Smp Id: 20806052211
Inj Date : 06-JUN-2008 15:33
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052211*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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/(Vi * Ws * (100 - M)/100) * CpndVariab

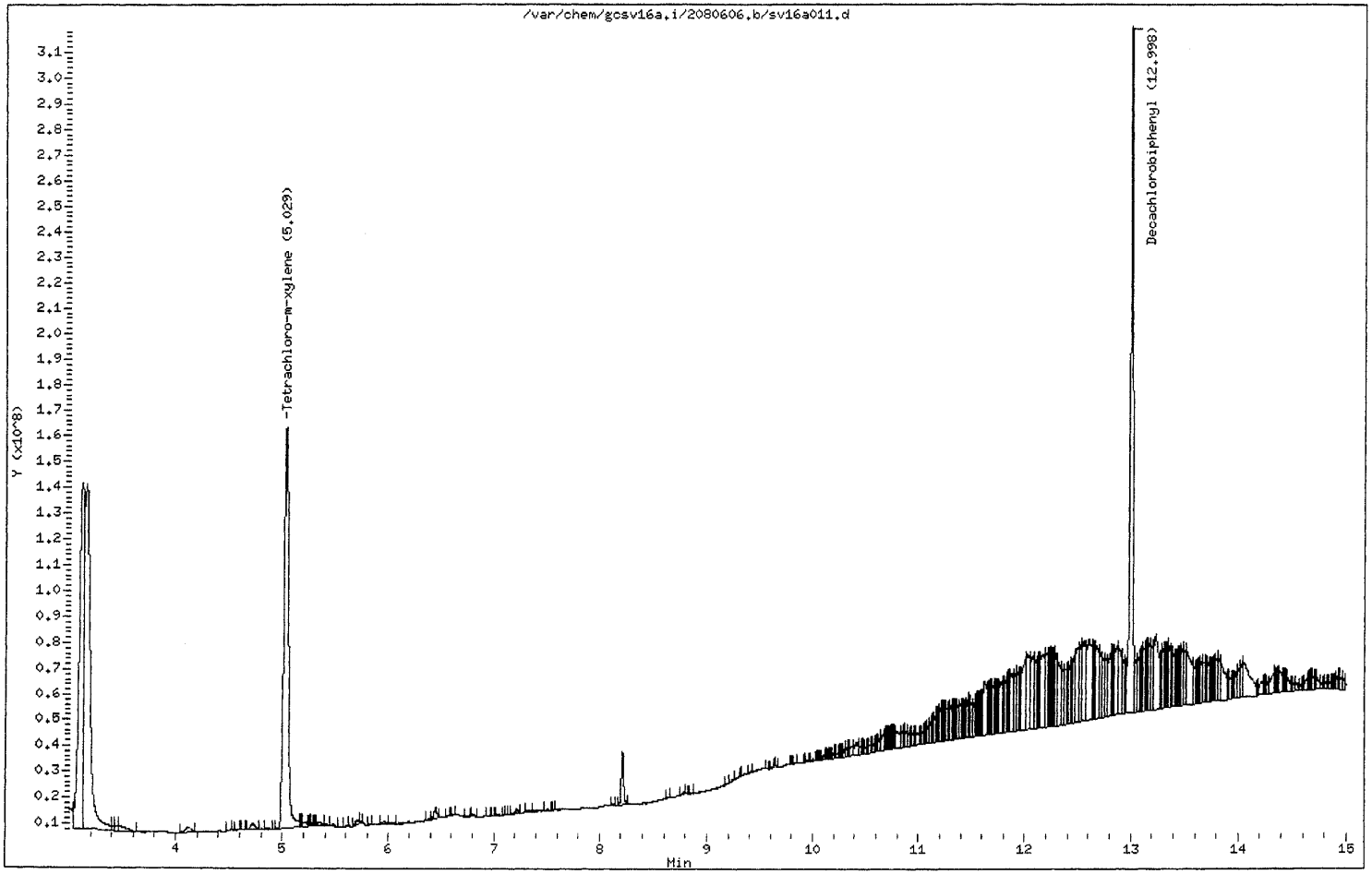
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.40000	Weight of sample extracted (g)
M	0.00000	% Moisture

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	5.029	5.017	0.012	464661747	59.3246	9.8
$ 22 Decachlorobiphenyl	12.998	12.990	0.008	456856220	78.8087	13

171178

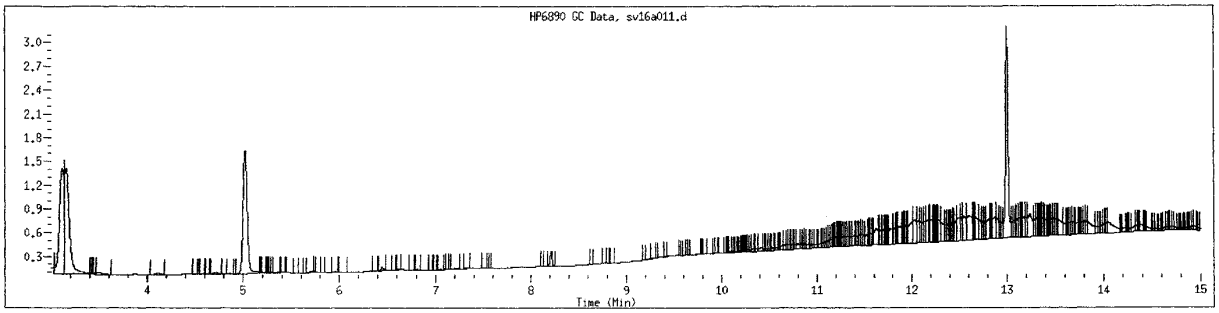
Data File: /var/chem/gcsv16a.i/2080606.b/sv16a011.d
Date : 06-JUN-2008 15:33
Client ID:
Instrument: gcsv16a.i
Sample Info: 20806052211x1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080606.b/sv16a011.d Page: 1
Report Date: 06/09/2008 12:31

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052211 SampleType : SAMPLE
Injection Date: 06/06/2008 15:33 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20806052211*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: all



NO MANUAL INTEGRATIONS

171180

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SE-060408-EB

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

Matrix: Water | SAS No.: | SDG No.: 208060522

Sample wt/vol: 990 | Units: mL | Lab Sample ID: 20806052212

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 1500

% Moisture: | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/08/08 | Time: 1935

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: 375061 | Analytical Batch: 375341 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2080608/sv16a014

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.000505	U	0.000126	0.000505
11104-28-2	Aroclor-1221	0.000505	U	0.000116	0.000505
11141-16-5	Aroclor-1232	0.000505	U	0.000101	0.000505
53469-21-9	Aroclor-1242	0.000505	U	0.000126	0.000505
12672-29-6	Aroclor-1248	0.000505	U	0.000065	0.000505
11097-69-1	Aroclor-1254	0.000505	U	0.000106	0.000505
11096-82-5	Aroclor-1260	0.000505	U	0.000121	0.000505

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a014.d
Report Date: 10-Jun-2008 16:14

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a014.d
Lab Smp Id: 20806052212
Inj Date : 08-JUN-2008 19:35
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052212*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Meth Date : 10-Jun-2008 15:57 tls Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 14
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	990.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

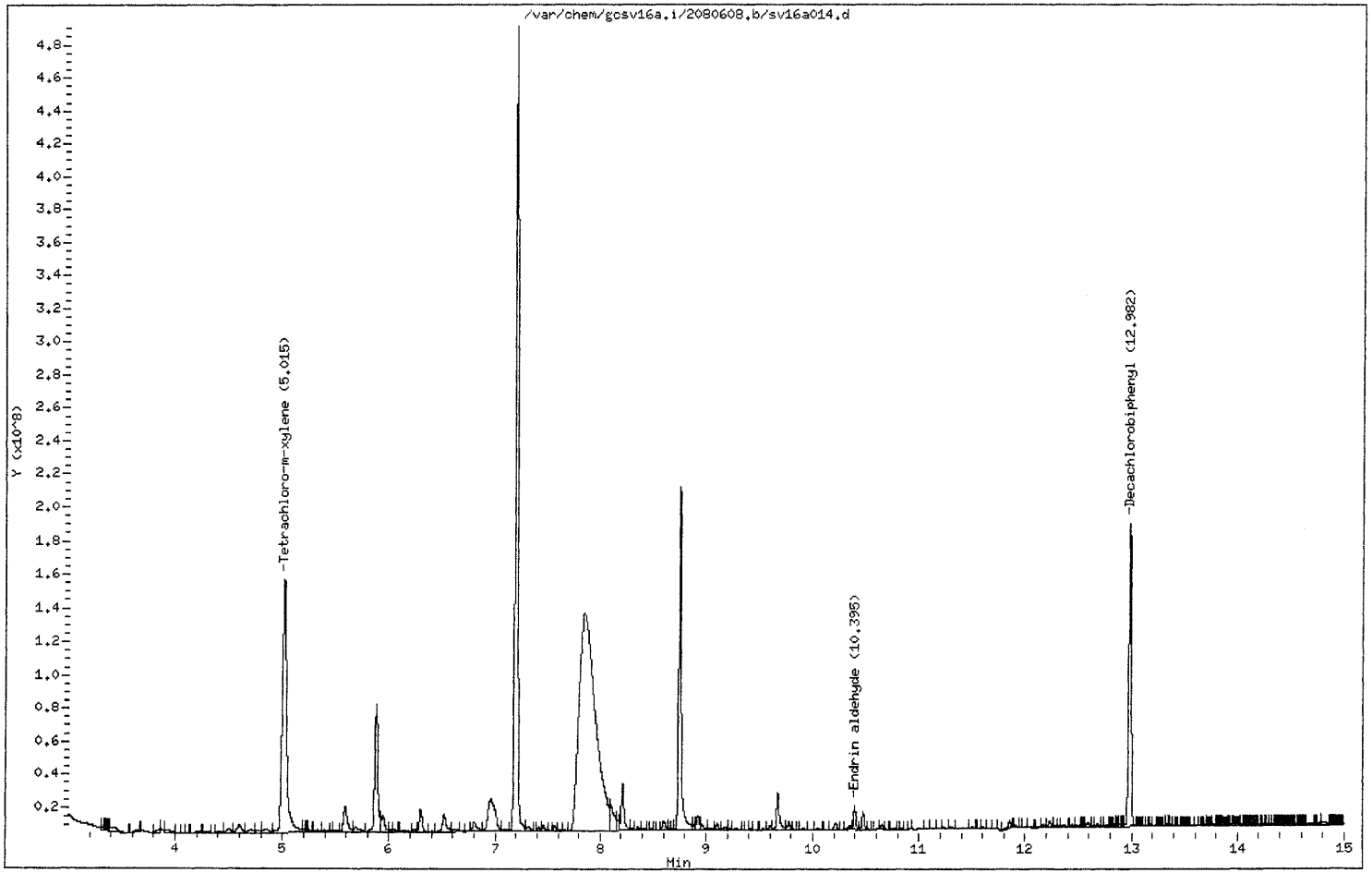
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
$ 1 Tetrachloro-m-xylene	5.015	5.016	-0.001	434442527	55.4664	0.28
18 Endrin aldehyde	10.395	10.418	-0.023	18670742	3.65789	0.018
$ 22 Decachlorobiphenyl	12.982	12.989	-0.007	282313026	48.6996	0.25

171182

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a014.d
Date : 08-JUN-2008 19:35
Client ID:
Sample Info: 20806052212x1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

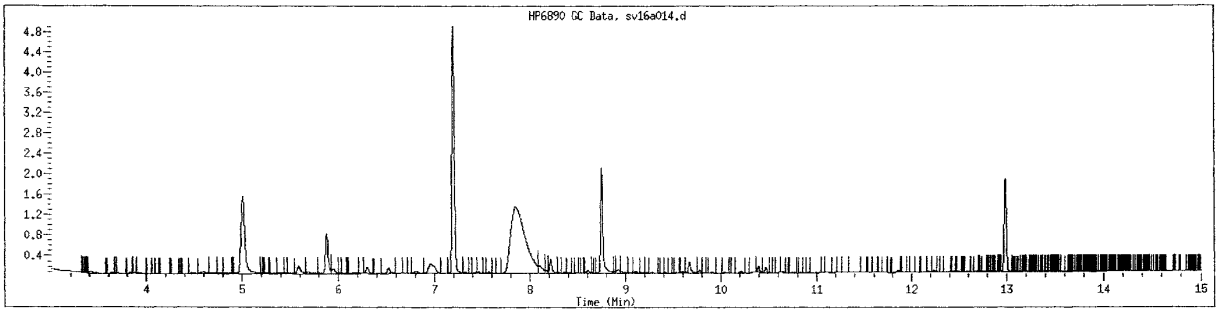
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Report Date: 06/10/2008 16:14

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052212 SampleType : SAMPLE
Injection Date: 06/08/2008 19:35 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20806052212*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: all



NO MANUAL INTEGRATIONS

171184

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SE-060408-FB

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

Matrix: Water | SAS No.: | SDG No.: 208060522

Sample wt/vol: 990 | Units: mL | Lab Sample ID: 20806052213

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 1535

% Moisture: | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/08/08 | Time: 1954

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: 375061 | Analytical Batch: 375341 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2080608/sv16a015

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.000505	U	0.000126	0.000505
11104-28-2	Aroclor-1221	0.000505	U	0.000116	0.000505
11141-16-5	Aroclor-1232	0.000505	U	0.000101	0.000505
53469-21-9	Aroclor-1242	0.000505	U	0.000126	0.000505
12672-29-6	Aroclor-1248	0.000505	U	0.000065	0.000505
11097-69-1	Aroclor-1254	0.000505	U	0.000106	0.000505
11096-82-5	Aroclor-1260	0.000505	U	0.000121	0.000505

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a015.d
Report Date: 10-Jun-2008 16:14

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a015.d
Lab Smp Id: 20806052213
Inj Date : 08-JUN-2008 19:54
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052213*1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Meth Date : 10-Jun-2008 15:57 tls Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 15
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

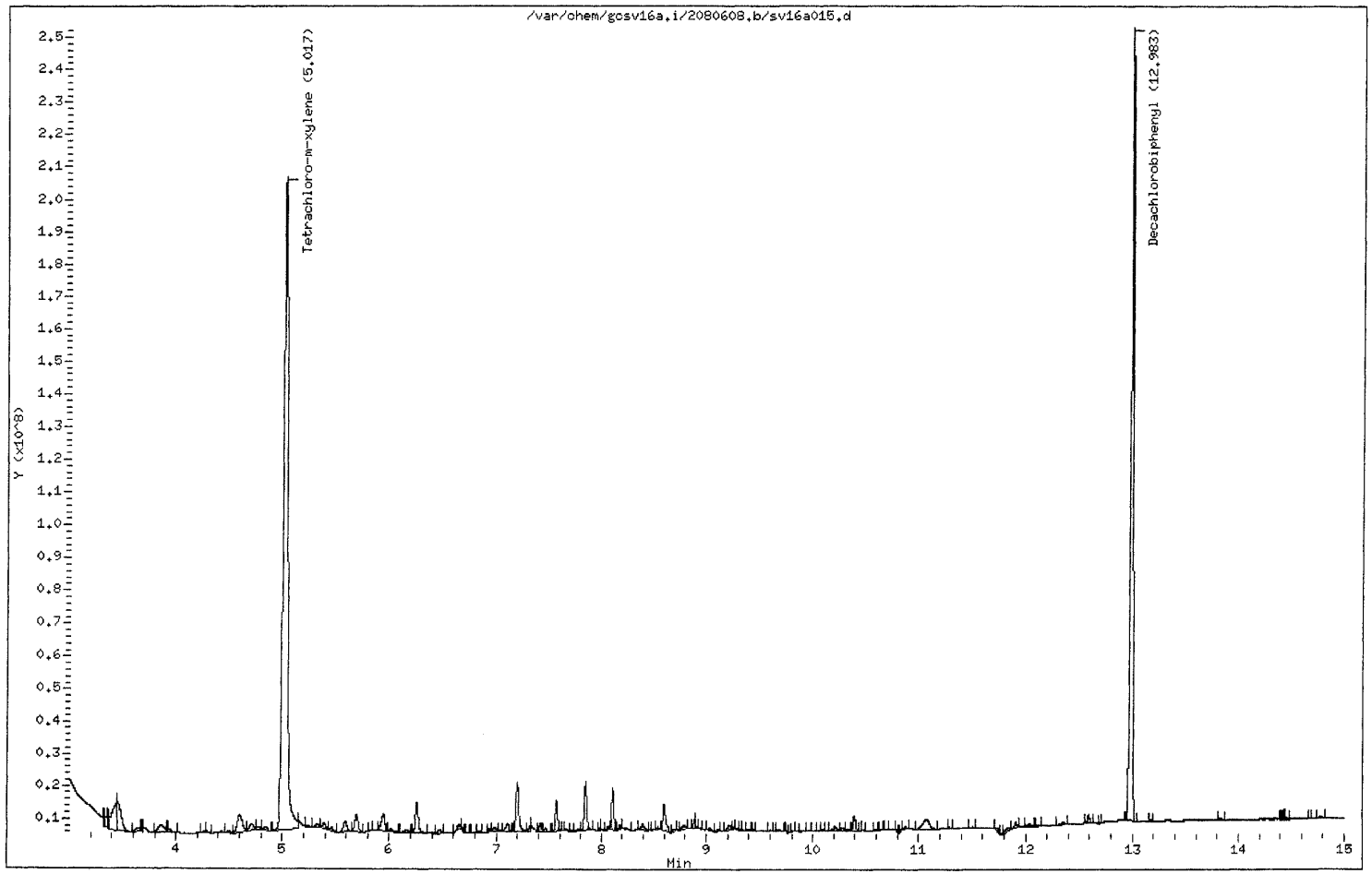
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	990.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

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	5.017	5.016	0.001	569886005	72.7588	0.37
$ 22 Decachlorobiphenyl	12.983	12.989	-0.006	361134055	62.2964	0.31

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a015.d
Date : 08-JUN-2008 19:54
Client ID:
Sample Info: 20806052213m1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

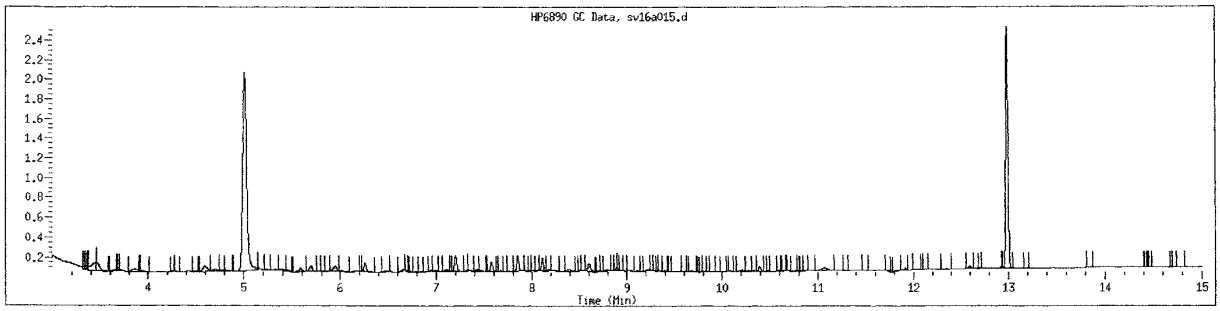
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080608.b/sv16a015.d Page: 1
Report Date: 06/10/2008 16:14

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052213 SampleType : SAMPLE
Injection Date: 06/08/2008 19:54 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20806052213*1
Misc Info :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: all



NO MANUAL INTEGRATIONS

171188

Report Date : 11-Jun-2008 16:34

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-MAY-2008 17:58
End Cal Date : 30-MAY-2008 00:50
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Cal Date : 09-Jun-2008 12:31 root
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv16a.i/2080529.b/sv16a021.d
Level 2: /var/chem/gcsv16a.i/2080529.b/sv16a022.d
Level 3: /var/chem/gcsv16a.i/2080529.b/sv16a023.d
Level 4: /var/chem/gcsv16a.i/2080529.b/sv16a024.d
Level 5: /var/chem/gcsv16a.i/2080529.b/sv16a025.d
Level 6: /var/chem/gcsv16a.i/2080529.b/sv16a020.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	9136906	10152165	10398924	10635477	10493928	10669663	10247844	5.614
	3 gamma-BHC (Lindane)	8049629	8828865	8991817	9213766	9086188	+++++	8834053	5.212
	4 Heptachlor	7363353	7638128	7958933	8048377	7964330	+++++	7794624	3.689
	5 Aldrin	7591430	8473382	8591015	8710654	8552207	+++++	8383738	5.381
	6 beta-BHC	3713754	3822589	3777624	3829911	3759656	+++++	3780707	1.262
	7 delta-BHC	7901983	8560200	8862725	9175140	9031370	+++++	8706284	5.795
	8 Heptachlor epoxide	6835491	7461886	7535031	7645059	7514879	+++++	7398469	4.348
	9 Endosulfan I	6366344	6497437	6969133	7032462	6941989	+++++	6761473	4.528
	10 gamma-Chlordane	7006170	7640766	7743369	7847938	7734240	+++++	7594496	4.437
	11 alpha-Chlordane	6472875	6589768	6957439	7157458	7065881	+++++	6848684	4.396
	12 4,4'-DDE	6875348	7588066	7766770	7908724	7763145	+++++	7580410	5.411
	13 Dieldrin	7115680	7878743	8051880	8185635	8049407	+++++	7856269	5.449
	14 Endrin	5561549	6074574	6135773	6292289	6247516	+++++	6062340	4.834
	15 4,4'-DDD	5686444	6322142	6515870	6655862	6604003	+++++	6356864	6.225
	16 Endosulfan II	5992723	6613019	6739018	6864646	6789688	+++++	6599819	5.326
	17 4,4'-DDT	5060113	5873189	6063915	6130407	6172211	+++++	5859967	7.877
	18 Endrin aldehyde	4696803	5116864	5212440	5288801	5206254	+++++	5104232	4.619
	19 Methoxychlor	2609230	2940383	3078926	3164200	3054698	+++++	2969487	7.297
	20 Endosulfan sulfate	5354743	5817377	5879753	5967871	5905188	+++++	5784986	4.261
	21 Endrin ketone	6012391	6579103	6695188	6796657	6742494	+++++	6565166	4.863
M	23 AR 1016-AVG	1258651	1185804	1155373	1110195	1059231	1308804	1179677	7.850

171189

Report Date : 11-Jun-2008 16:34

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-MAY-2008 17:58
End Cal Date : 30-MAY-2008 00:50
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Cal Date : 09-Jun-2008 12:31 root
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	137579	127318	122729	115338	107218	144656	125806	11.018
	25 AR 1016-PEAK2	318892	300540	284856	269917	254730	334201	293856	10.191
	26 AR 1016-PEAK3	619452	587036	567839	548318	527231	640185	581677	7.353
	27 AR 1016-PEAK4	182728	170910	179949	176622	170052	189762	178337	4.190
	28 AR 1016-PEAK5	200897	187770	181171	179515	174700	209899	188992	7.238
M	29 AR 1260-AVG	2154083	2131837	2127212	2127243	2109978	2161309	2135277	0.892
	30 AR 1260-PEAK1	317195	301006	294175	294537	289844	323601	303393	4.547
	31 AR 1260-PEAK2	403569	386053	376849	368663	359645	411183	384327	5.210
	32 AR 1260-PEAK3	268294	274018	290941	294737	292301	271577	281978	4.222
	33 AR 1260-PEAK4	735793	753812	751100	750142	749020	728150	744669	1.377
	34 AR 1260-PEAK5	429232	416948	414147	419164	419167	426797	420909	1.391
M	35 AR 1221-AVG	+++++	+++++	225010	+++++	+++++	+++++	225010	0.000
	36 AR 1221-PEAK1	+++++	+++++	58452	+++++	+++++	+++++	58452	0.000
	37 AR 1221-PEAK2	+++++	+++++	75683	+++++	+++++	+++++	75683	0.000
	38 AR 1221-PEAK3	+++++	+++++	47368	+++++	+++++	+++++	47368	0.000
	39 AR 1221-PEAK4	+++++	+++++	43507	+++++	+++++	+++++	43507	0.000
	40 AR 1221-PEAK5	+++++	+++++	34478	+++++	+++++	+++++	34478	0.000
M	41 AR 1232-AVG	+++++	+++++	612756	+++++	+++++	+++++	612756	0.000
	42 AR 1232-PEAK1	+++++	+++++	124233	+++++	+++++	+++++	124233	0.000
	43 AR 1232-PEAK2	+++++	+++++	142109	+++++	+++++	+++++	142109	0.000
	44 AR 1232-PEAK3	+++++	+++++	260851	+++++	+++++	+++++	260851	0.000
	45 AR 1232-PEAK4	+++++	+++++	85564	+++++	+++++	+++++	85564	0.000
	46 AR 1232-PEAK5	+++++	+++++	85265	+++++	+++++	+++++	85265	0.000
M	47 AR 1242-AVG	+++++	+++++	970538	+++++	+++++	+++++	970538	0.000
	48 AR 1242-PEAK1	+++++	+++++	227033	+++++	+++++	+++++	227033	0.000
	49 AR 1242-PEAK2	+++++	+++++	451486	+++++	+++++	+++++	451486	0.000
	50 AR 1242-PEAK3	+++++	+++++	135162	+++++	+++++	+++++	135162	0.000
	51 AR 1242-PEAK4	+++++	+++++	156857	+++++	+++++	+++++	156857	0.000
	52 AR 1242-PEAK5	+++++	+++++	160294	+++++	+++++	+++++	160294	0.000

Report Date : 11-Jun-2008 16:34

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-MAY-2008 17:58
End Cal Date : 30-MAY-2008 00:50
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Cal Date : 09-Jun-2008 12:31 root
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
M	53 AR 1248-AVG	+++++	+++++	662370	+++++	+++++	+++++	662370	0.000
	54 AR 1248-PEAK1	+++++	+++++	166399	+++++	+++++	+++++	166399	0.000
	55 AR 1248-PEAK2	+++++	+++++	217716	+++++	+++++	+++++	217716	0.000
	56 AR 1248-PEAK3	+++++	+++++	278255	+++++	+++++	+++++	278255	0.000
	57 AR 1248-PEAK4	+++++	+++++	1364537	+++++	+++++	+++++	1364537	0.000
	58 AR 1248-PEAK5	+++++	+++++	181163	+++++	+++++	+++++	181163	0.000
M	59 AR 1254-AVG	+++++	+++++	774999	+++++	+++++	+++++	774999	0.000
	60 AR 1254-PEAK1	+++++	+++++	96305	+++++	+++++	+++++	96305	0.000
	61 AR 1254-PEAK2	+++++	+++++	81565	+++++	+++++	+++++	81565	0.000
	62 AR 1254-PEAK3	+++++	+++++	187639	+++++	+++++	+++++	187639	0.000
	63 AR 1254-PEAK4	+++++	+++++	409488	+++++	+++++	+++++	409488	0.000
	64 AR 1254-PEAK5	+++++	+++++	274836	+++++	+++++	+++++	274836	0.000
M	65 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	764117	+++++	764117	0.000
	66 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	209479	+++++	209479	0.000
	67 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	253133	+++++	253133	0.000
	68 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	162041	+++++	162041	0.000
	69 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	139465	+++++	139465	0.000
M	70 CHLORDANE-AVG	+++++	+++++	+++++	+++++	2012770	+++++	2012770	0.000
	71 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	296648	+++++	296648	0.000
	72 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	331726	+++++	331726	0.000
	73 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	742261	+++++	742261	0.000
	74 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	642136	+++++	642136	0.000
M	75 AR 1268-AVG	+++++	+++++	2420593	+++++	+++++	+++++	2420593	0.000
	76 AR 1268-PEAK1	+++++	+++++	199613	+++++	+++++	+++++	199613	0.000
	77 AR 1268-PEAK2	+++++	+++++	870444	+++++	+++++	+++++	870444	0.000
	78 AR 1268-PEAK3	+++++	+++++	681718	+++++	+++++	+++++	681718	0.000
	79 AR 1268-PEAK4	+++++	+++++	668818	+++++	+++++	+++++	668818	0.000
	80 AR 1268-PEAK5	+++++	+++++	274188	+++++	+++++	+++++	274188	0.000
M	81 AR 1262-AVG	+++++	+++++	1781148	+++++	+++++	+++++	1781148	0.000

171191

Report Date : 11-Jun-2008 16:34

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-MAY-2008 17:58
End Cal Date : 30-MAY-2008 00:50
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Cal Date : 09-Jun-2008 12:31 root
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-PEAK1	+++++	+++++	274408	+++++	+++++	+++++	274408	0.000
83 AR 1262-PEAK2	+++++	+++++	382817	+++++	+++++	+++++	382817	0.000
84 AR 1262-PEAK3	+++++	+++++	352569	+++++	+++++	+++++	352569	0.000
85 AR 1262-PEAK4	+++++	+++++	771354	+++++	+++++	+++++	771354	0.000
86 AR 1262-PEAK5	+++++	+++++	336821	+++++	+++++	+++++	336821	0.000
87 Diallate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
88 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
89 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
90 Kepone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 1 Tetrachloro-m-xylene	7082821	8095136	8097464	8164254	7723004	+++++	7832536	5.792
$ 22 Decachlorobiphenyl	5707037	5920872	5816466	5826166	5714613	+++++	5797031	1.530

171192

Report Date : 11-Jun-2008 16:34

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-MAY-2008 17:58
End Cal Date : 30-MAY-2008 00:50
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Cal Date : 09-Jun-2008 12:31 root
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 5.10661
Maximun Average %RSD = 20.00000
* Passed Average %RSD Test.

171193

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a013.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a013.d
Lab Smp Id: 1203
Inj Date : 29-MAY-2008 21:06
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 80-16-7
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:13 Cal File: sv16a023.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)

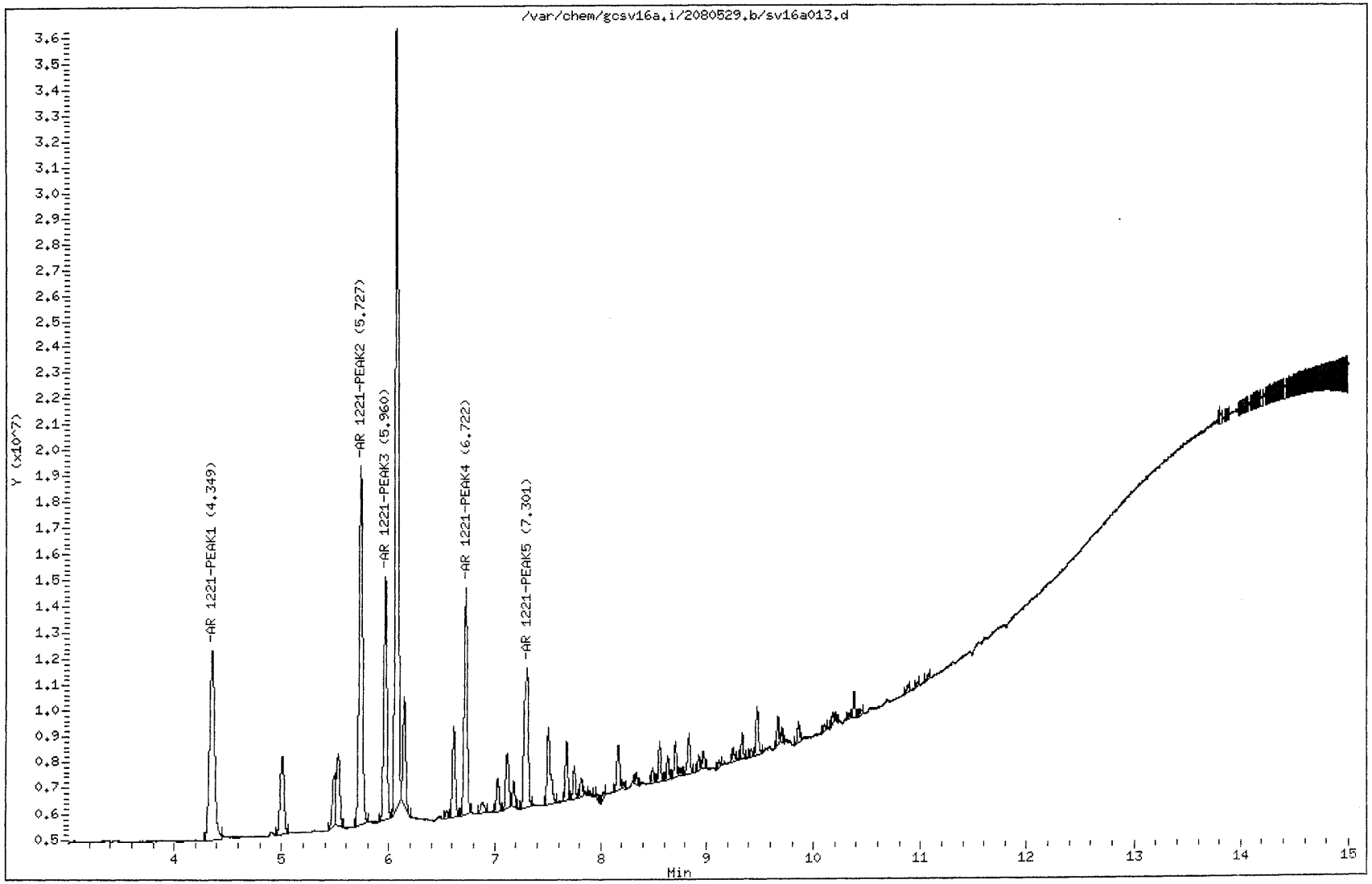
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 35 AR 1221-AVG				90004171	400.000	400
36 AR 1221-PEAK1	4.349	4.349	0.000	23380928	400.000	400
37 AR 1221-PEAK2	5.727	5.727	0.000	30273252	400.000	400
38 AR 1221-PEAK3	5.960	5.960	0.000	18947020	400.000	400
39 AR 1221-PEAK4	6.722	6.722	0.000	17402971	400.000	400
40 AR 1221-PEAK5	7.301	7.301	0.000	13791248	400.000	400

171194

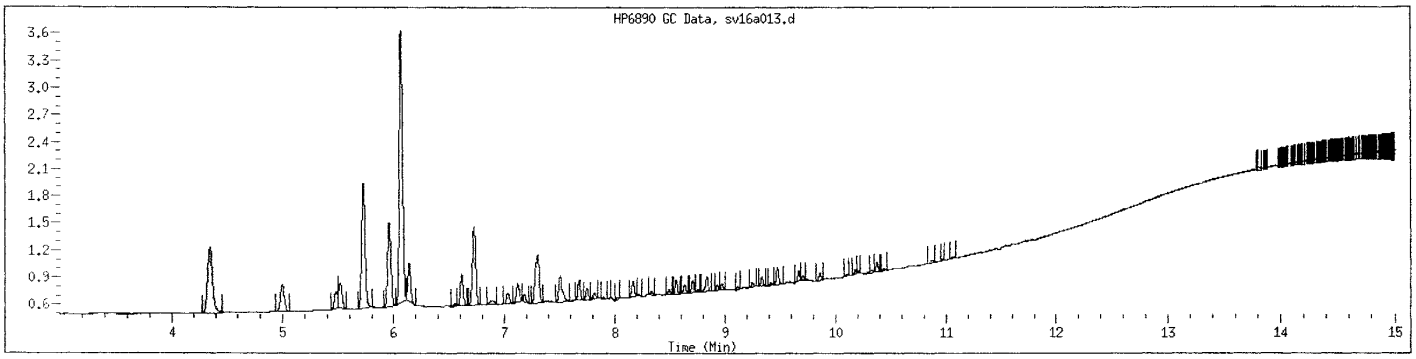
Data File: /var/chem/gcsv16a.i/2080529.b/sv16a013.d
Date : 29-MAY-2008 21:06
Client ID:
Sample Info: 1203*1 80-16-7
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 05/29/2008 21:06	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1203*1 80-16-7		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1221



NO MANUAL INTEGRATIONS

171196

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a014.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a014.d
Lab Smp Id: 1203
Inj Date : 29-MAY-2008 21:25
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 80-16-8
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:13 Cal File: sv16a023.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

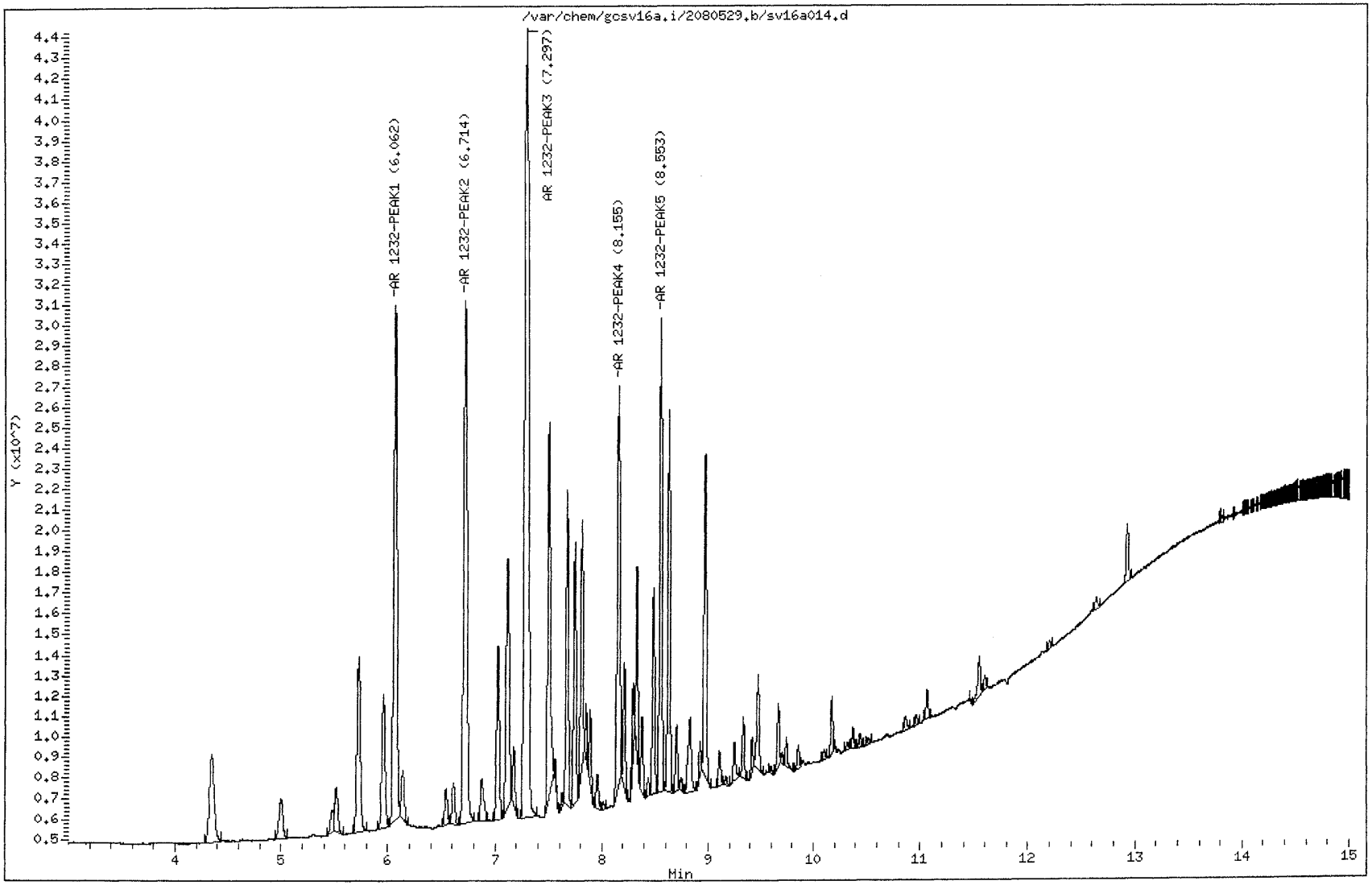
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	41 AR 1232-AVG				245102424	400.000	400
	42 AR 1232-PEAK1	6.062	6.062	0.000	49693048	400.000	400
	43 AR 1232-PEAK2	6.714	6.714	0.000	56843535	400.000	400
	44 AR 1232-PEAK3	7.297	7.297	0.000	104340224	400.000	400
	45 AR 1232-PEAK4	8.155	8.155	0.000	34225617	400.000	400
	46 AR 1232-PEAK5	8.553	8.553	0.000	34105924	400.000	400

171197

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a014.d
Date : 29-MAY-2008 21:25
Client ID:
Sample Info: 1203x1 80-16-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

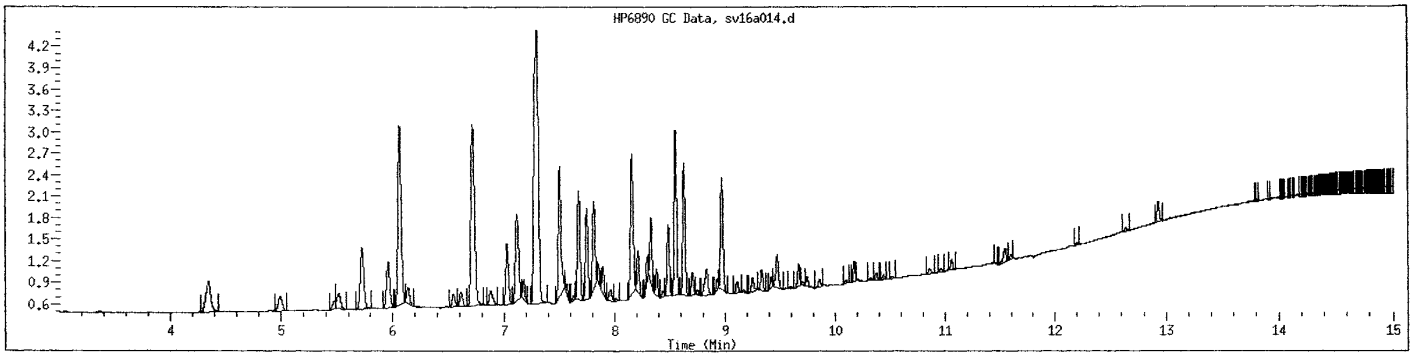


171198

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a014.d Page: 1
Report Date: 05/30/2008 10:59

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 05/29/2008 21:25	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1203*1 80-16-8		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1232



NO MANUAL INTEGRATIONS

171199

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a015.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a015.d
Lab Smp Id: 1203
Inj Date : 29-MAY-2008 21:43
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 80-16-9
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:13 Cal File: sv16a023.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

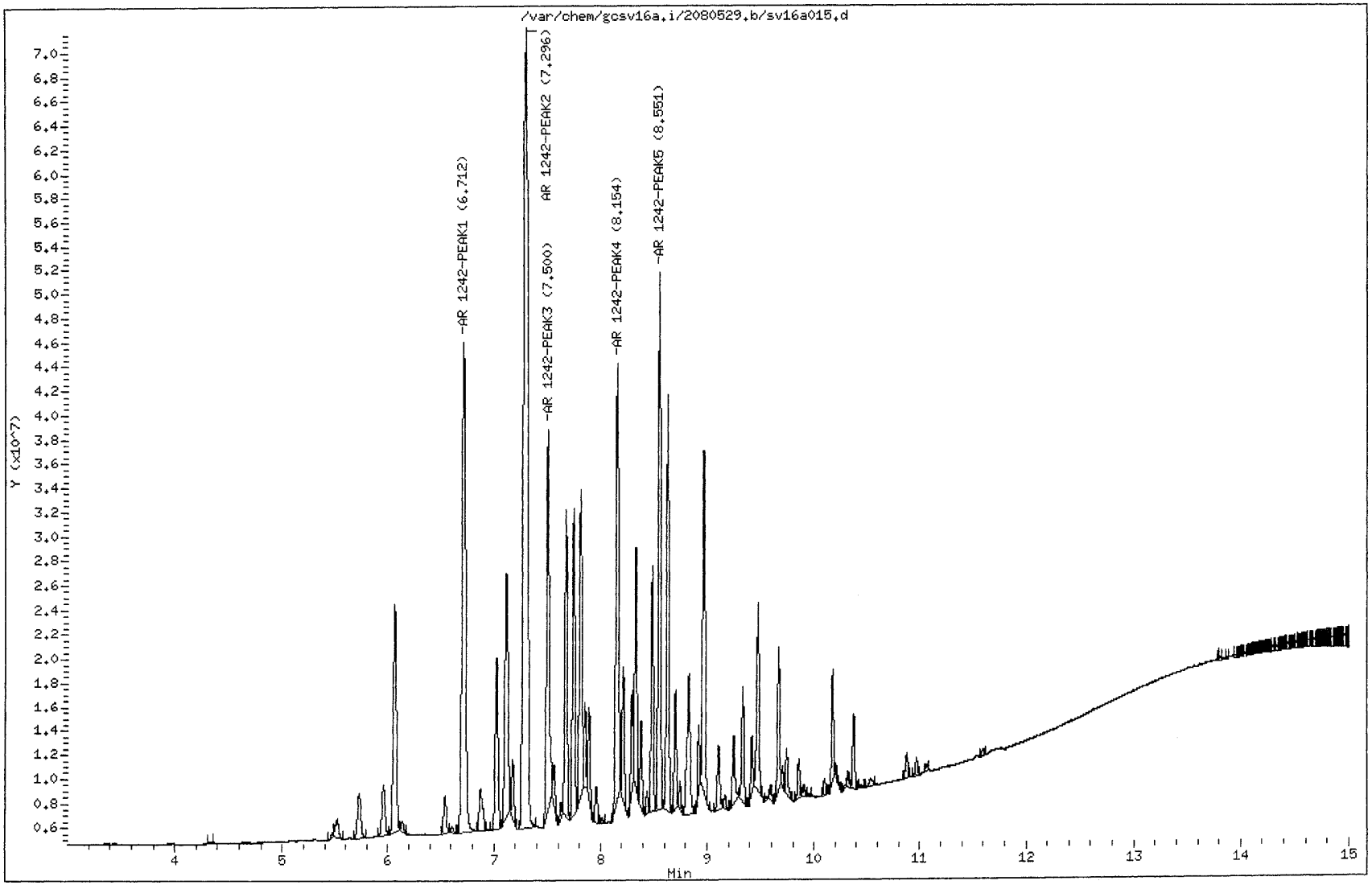
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/L)
M	47 AR 1242-AVG				388215168	400.000	400
	48 AR 1242-PEAK1	6.712	6.712	0.000	90813028	400.000	400
	49 AR 1242-PEAK2	7.296	7.296	0.000	180594227	400.000	400
	50 AR 1242-PEAK3	7.500	7.500	0.000	54064938	400.000	400
	51 AR 1242-PEAK4	8.154	8.154	0.000	62742975	400.000	400
	52 AR 1242-PEAK5	8.551	8.551	0.000	64117645	400.000	400

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a015.d
Date : 29-MAY-2008 21:43
Client ID:
Sample Info: 1203*1 80-16-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

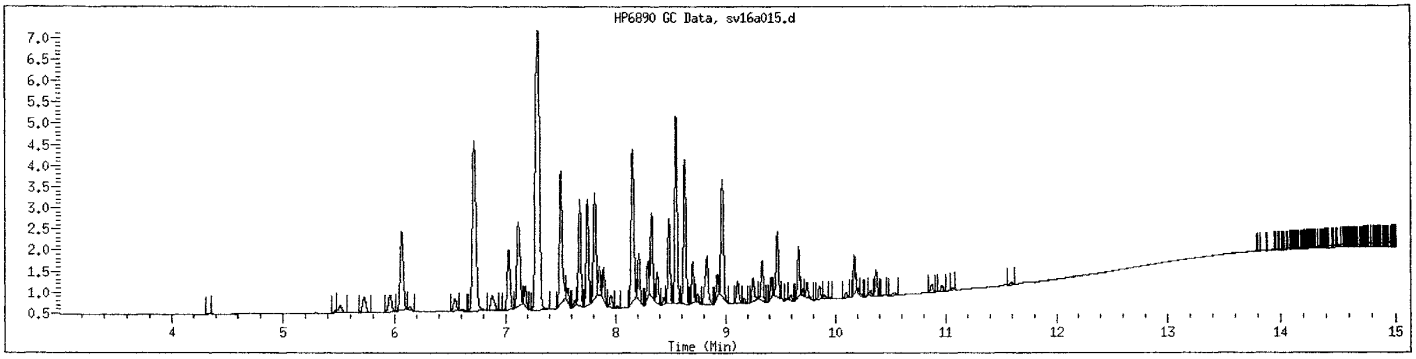
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080529.b/sv16a015.d Page: 1
Report Date: 05/30/2008 10:59

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 05/29/2008 21:43	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1203*1 80-16-9		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1242



NO MANUAL INTEGRATIONS

1130

171202

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a016.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a016.d
Lab Smp Id: 1203
Inj Date : 29-MAY-2008 22:02
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 80-16-10
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:13 Cal File: sv16a023.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

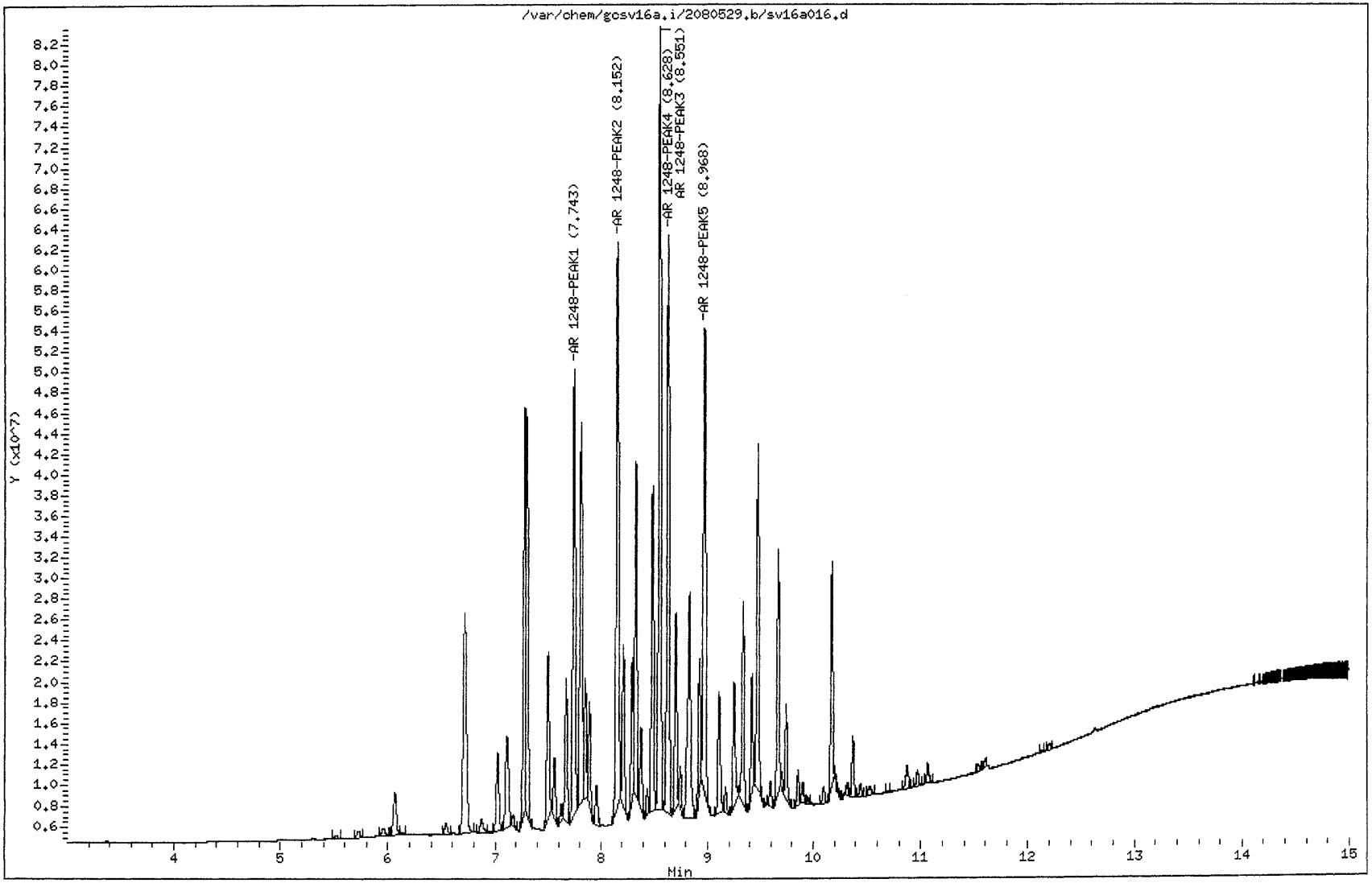
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 53 AR 1248-AVG				264947893	400.000	400
54 AR 1248-PEAK1	7.743	7.743	0.000	66559525	400.000	400
55 AR 1248-PEAK2	8.152	8.152	0.000	87086559	400.000	400
56 AR 1248-PEAK3	8.551	8.551	0.000	111301809	400.000	400
57 AR 1248-PEAK4	8.628	8.628	0.000	81872203	60.0000	60
58 AR 1248-PEAK5	8.968	8.968	0.000	72465041	400.000	400

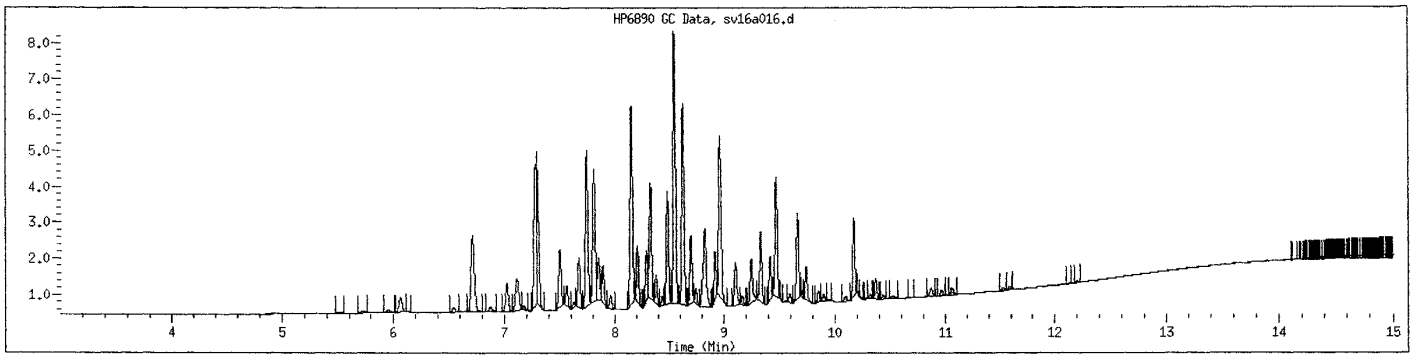
Data File: /var/chem/gcsv16a.i/2080529.b/sv16a016.d
Date : 29-MAY-2008 22:02
Client ID:
Sample Info: 1203M1 80-16-10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 05/29/2008 22:02	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1203*1 80-16-10		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1248



NO MANUAL INTEGRATIONS

171205

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a017.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a017.d
Lab Smp Id: 1203
Inj Date : 29-MAY-2008 22:21
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 80-17-1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:13 Cal File: sv16a023.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)

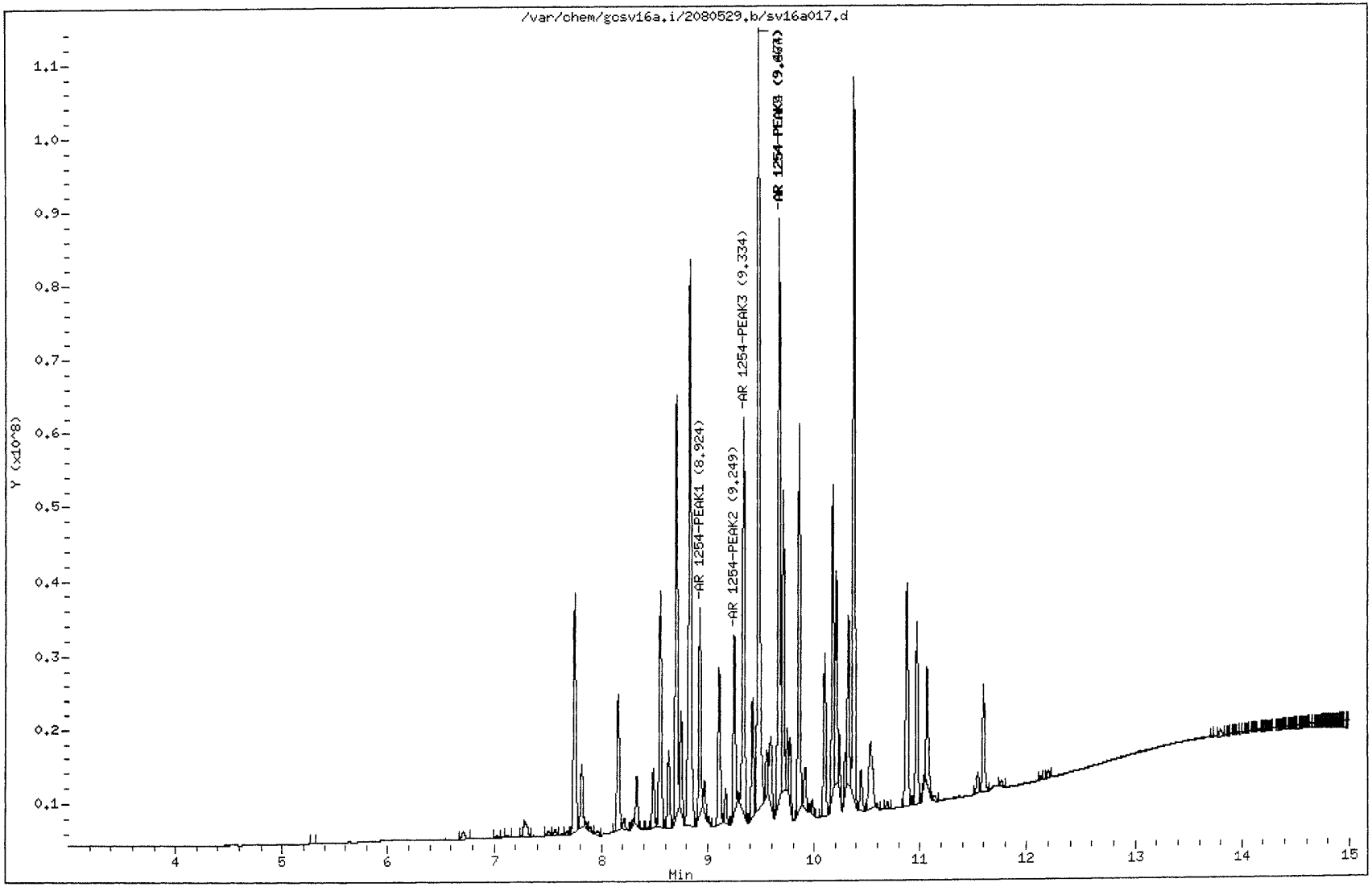
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 59 AR 1254-AVG				309999414	400.000	400
60 AR 1254-PEAK1	8.924	8.924	0.000	38522173	400.000	400
61 AR 1254-PEAK2	9.249	9.249	0.000	32626124	400.000	400
62 AR 1254-PEAK3	9.334	9.334	0.000	75055717	400.000	400
63 AR 1254-PEAK4	9.474	9.474	0.000	163795400	400.000	400
64 AR 1254-PEAK5	9.667	9.667	0.000	109934546	400.000	400

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a017.d
Date : 29-MAY-2008 22:21
Client ID:
Sample Info: 1203*1 80-17-1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

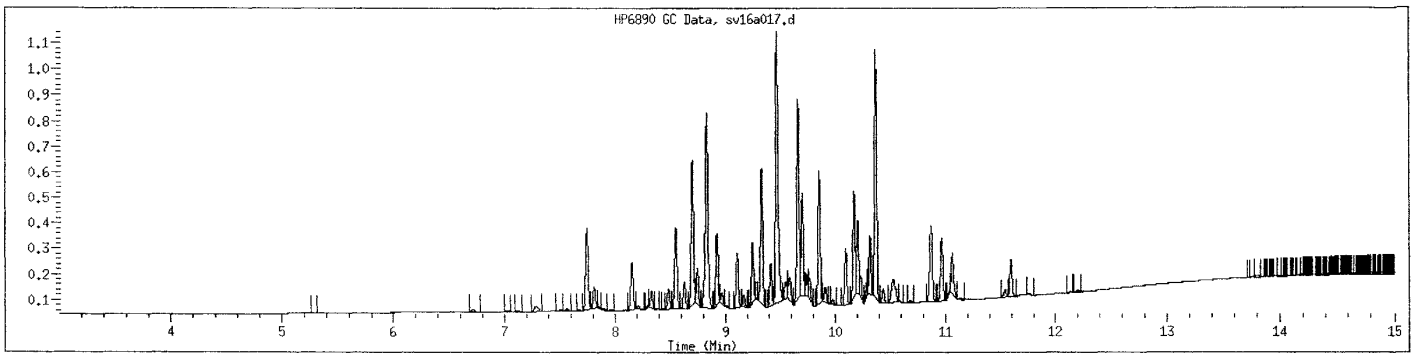
Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 05/29/2008 22:21	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1203*1 80-17-1		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1254



NO MANUAL INTEGRATIONS

171208

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a018.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a018.d
Lab Smp Id: 1203
Inj Date : 29-MAY-2008 22:39
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 80-18-10
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:13 Cal File: sv16a023.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)

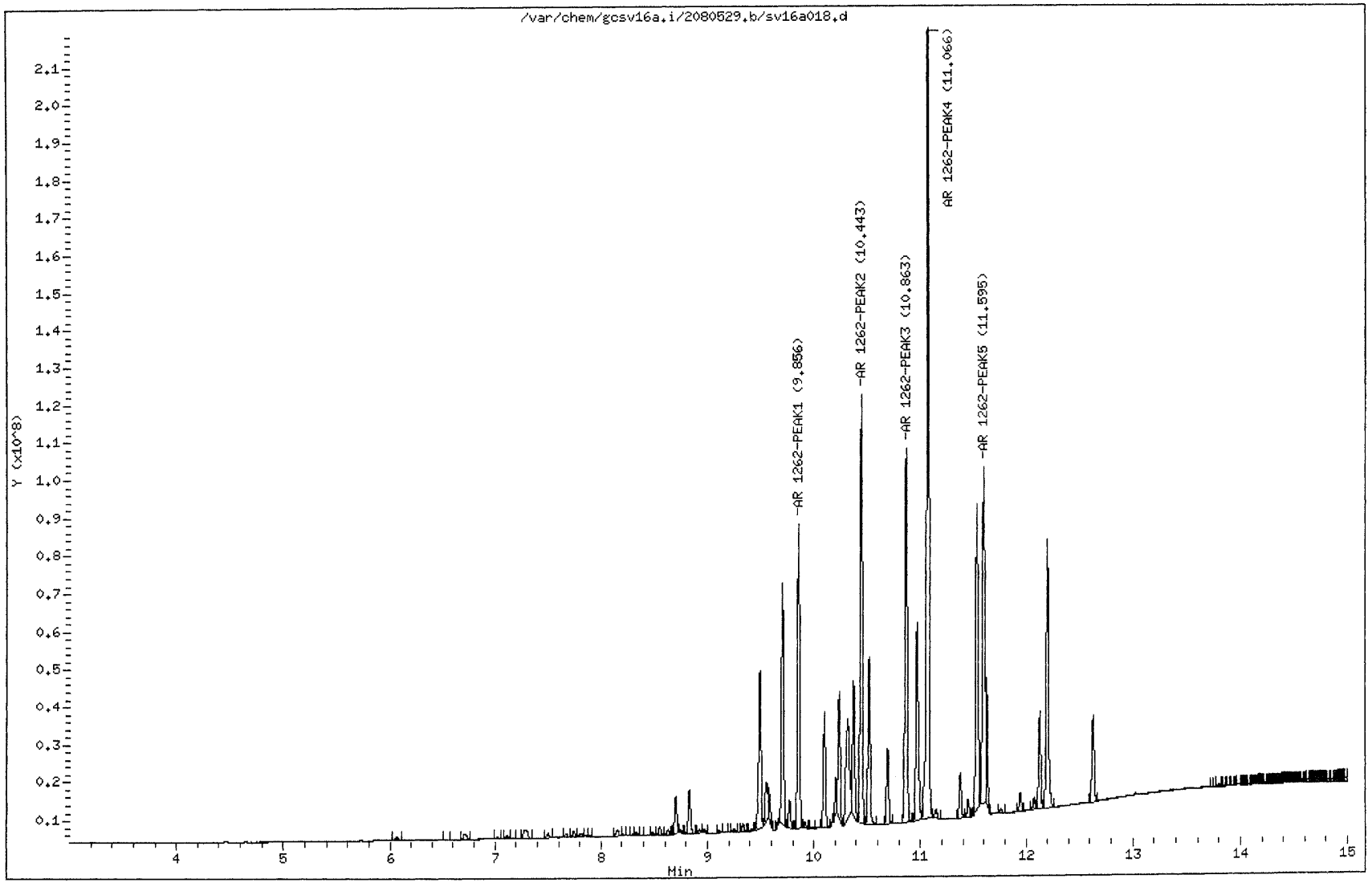
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	81 AR 1262-AVG				712459237	400.000	400
	82 AR 1262-PEAK1	9.856	9.856	0.000	109763321	400.000	400
	83 AR 1262-PEAK2	10.443	10.443	0.000	153126615	400.000	400
	84 AR 1262-PEAK3	10.863	10.863	0.000	141027508	400.000	400
	85 AR 1262-PEAK4	11.066	11.066	0.000	308541793	400.000	400
	86 AR 1262-PEAK5	11.595	11.595	0.000	134728457	400.000	400

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a018.d
Date : 29-MAY-2008 22:39
Client ID:
Sample Info: 1203*1 80-18-10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

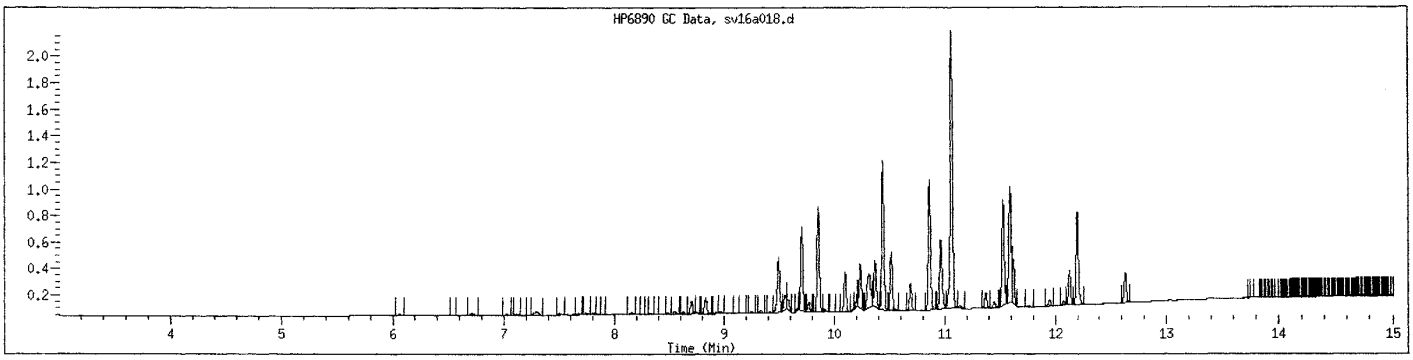
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080529.b/sv16a018.d Page: 1
Report Date: 05/30/2008 10:59

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 05/29/2008 22:39	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1203*1 80-18-10		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: ar1262



NO MANUAL INTEGRATIONS

171211

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a019.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a019.d
Lab Smp Id: 1203
Inj Date : 29-MAY-2008 22:58
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 80-19-1
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:13 Cal File: sv16a023.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

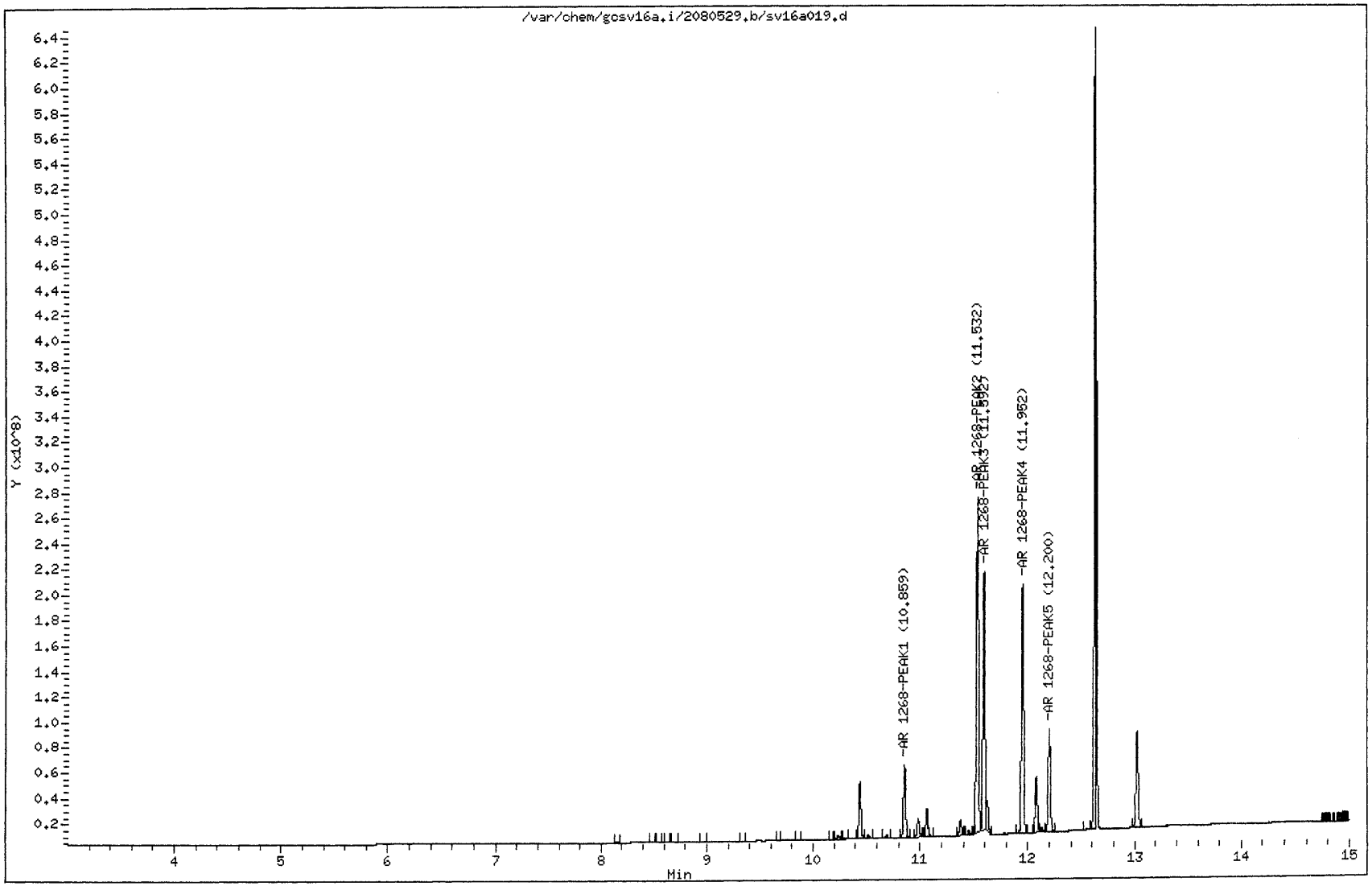
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	75 AR 1268-AVG				968237248	400.000	400
	76 AR 1268-PEAK1	10.859	10.859	0.000	79845110	400.000	400
	77 AR 1268-PEAK2	11.532	11.532	0.000	348177639	400.000	400
	78 AR 1268-PEAK3	11.592	11.592	0.000	272687334	400.000	400
	79 AR 1268-PEAK4	11.952	11.952	0.000	267527165	400.000	400
	80 AR 1268-PEAK5	12.200	12.200	0.000	109675036	400.000	400

171212

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a019.d
Date : 29-MAY-2008 22:58
Client ID:
Sample Info: 1203M1 80-19-1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

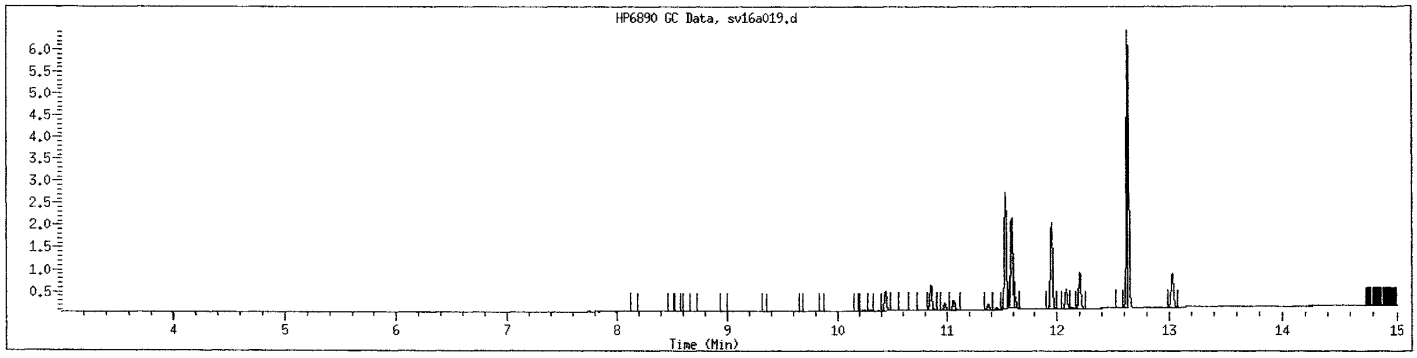
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080529.b/sv16a019.d Page: 1
Report Date: 05/30/2008 10:59

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1203	SampleType	: CALIB_3
Injection Date	: 05/29/2008 22:58	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1203*1 80-19-1		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: ar1268



NO MANUAL INTEGRATIONS

171214

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a020.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a020.d
Lab Smp Id: 1206
Inj Date : 29-MAY-2008 23:17
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1206*1 50
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 29-MAY-2008 23:17 Cal File: sv16a020.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)

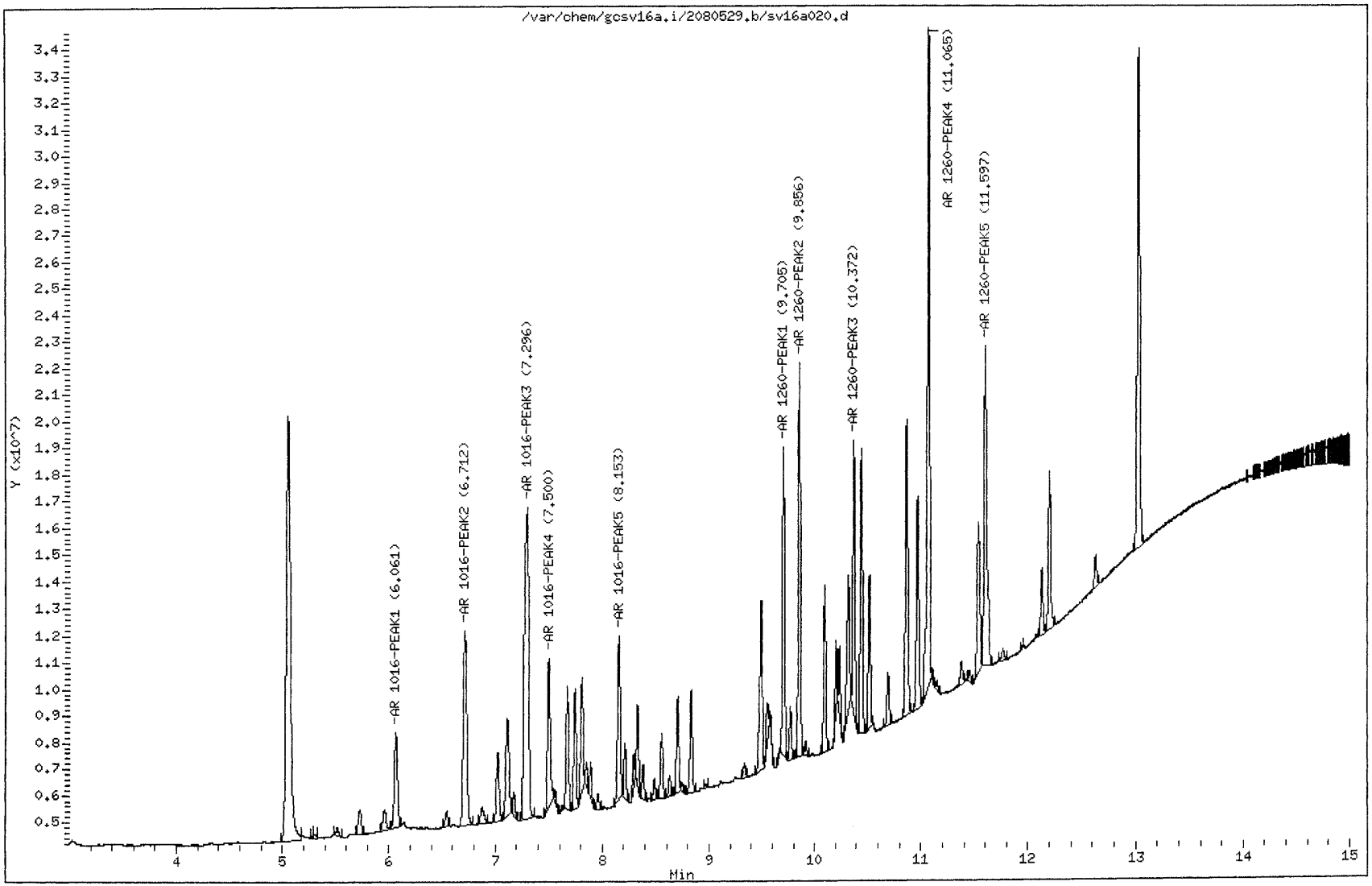
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				65440208	50.0000	55
	24 AR 1016-PEAK1	6.061	6.061	0.000	7232776	50.0000	57
	25 AR 1016-PEAK2	6.712	6.712	0.000	16710068	50.0000	57
	26 AR 1016-PEAK3	7.296	7.297	-0.001	32009252	50.0000	55
	27 AR 1016-PEAK4	7.500	7.499	0.001	9488112	50.0000	53
	28 AR 1016-PEAK5	8.153	8.152	0.001	10494940	50.0000	56
M	29 AR 1260-AVG				108065435	50.0000	51
	30 AR 1260-PEAK1	9.705	9.704	0.001	16180072	50.0000	53
	31 AR 1260-PEAK2	9.856	9.856	0.000	20559145	50.0000	53
	32 AR 1260-PEAK3	10.372	10.372	0.000	13578846	50.0000	48
	33 AR 1260-PEAK4	11.065	11.065	0.000	36407520	50.0000	49
	34 AR 1260-PEAK5	11.597	11.597	0.000	21339852	50.0000	51

171215

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a020.d
Date : 29-MAY-2008 23:17
Client ID:
Sample Info: 1206*1 50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

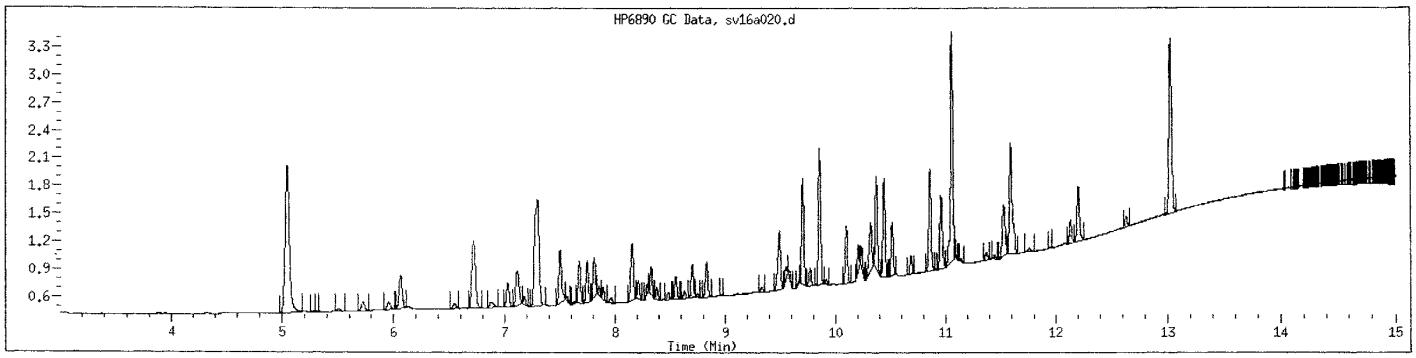


171216

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a020.d Page: 1
Report Date: 05/30/2008 10:59

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1206	SampleType	: CALIB_6
Injection Date	: 05/29/2008 23:17	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1206*1 50		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

171217

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a021.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a021.d
Lab Smp Id: 1201
Inj Date : 29-MAY-2008 23:35
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1201*1 100
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 29-MAY-2008 23:35 Cal File: sv16a021.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

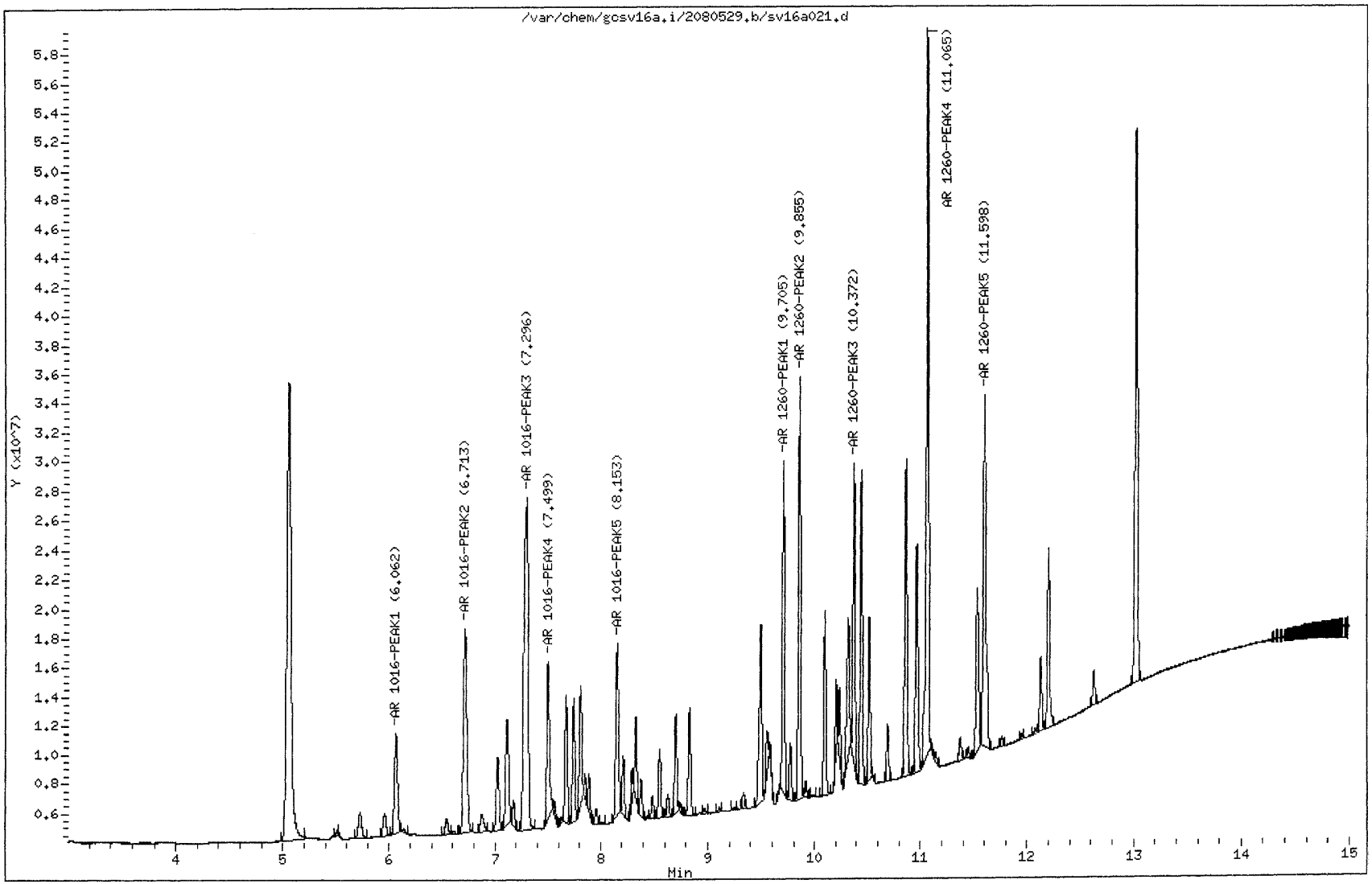
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				125865126	100.000	110
	24 AR 1016-PEAK1	6.062	6.061	0.001	13757865	100.000	110
	25 AR 1016-PEAK2	6.713	6.712	0.001	31889171	100.000	110
	26 AR 1016-PEAK3	7.296	7.297	-0.001	61945243	100.000	110
	27 AR 1016-PEAK4	7.499	7.499	0.000	18272847	100.000	100
	28 AR 1016-PEAK5	8.153	8.152	0.001	20089732	100.000	110
M	29 AR 1260-AVG				215408254	100.000	100
	30 AR 1260-PEAK1	9.705	9.704	0.001	31719548	100.000	100
	31 AR 1260-PEAK2	9.855	9.856	-0.001	40356902	100.000	110
	32 AR 1260-PEAK3	10.372	10.372	0.000	26829356	100.000	95
	33 AR 1260-PEAK4	11.065	11.065	0.000	73579284	100.000	99
	34 AR 1260-PEAK5	11.598	11.597	0.001	42923164	100.000	100

171218

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a021.d
Date : 29-MAY-2008 23:35
Client ID:
Sample Info: 1201*1 100
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

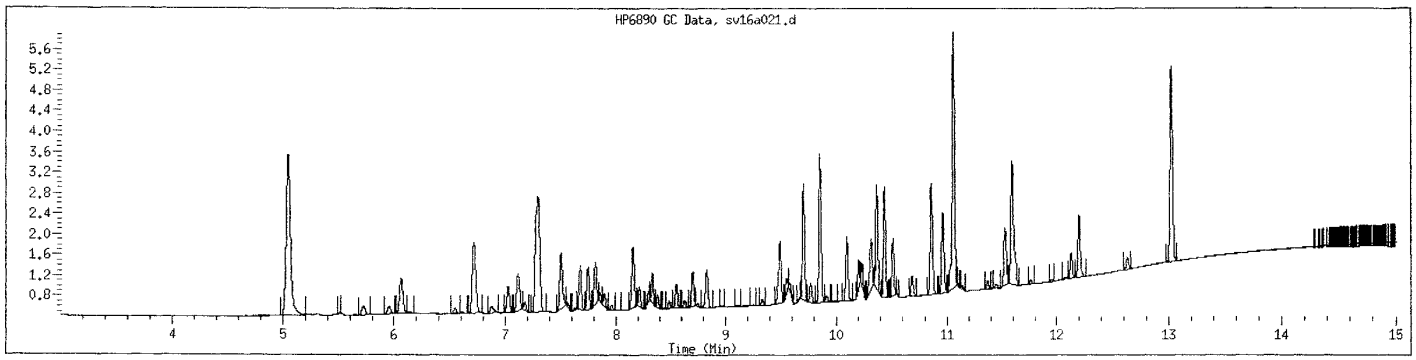


171219

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a021.d Page: 1
Report Date: 05/30/2008 10:59

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1201	SampleType	: CALIB_1
Injection Date	: 05/29/2008 23:35	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1201*1 100		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

171220

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a022.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a022.d
Lab Smp Id: 1202
Inj Date : 29-MAY-2008 23:54
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1202*1 200
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 29-MAY-2008 23:54 Cal File: sv16a022.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

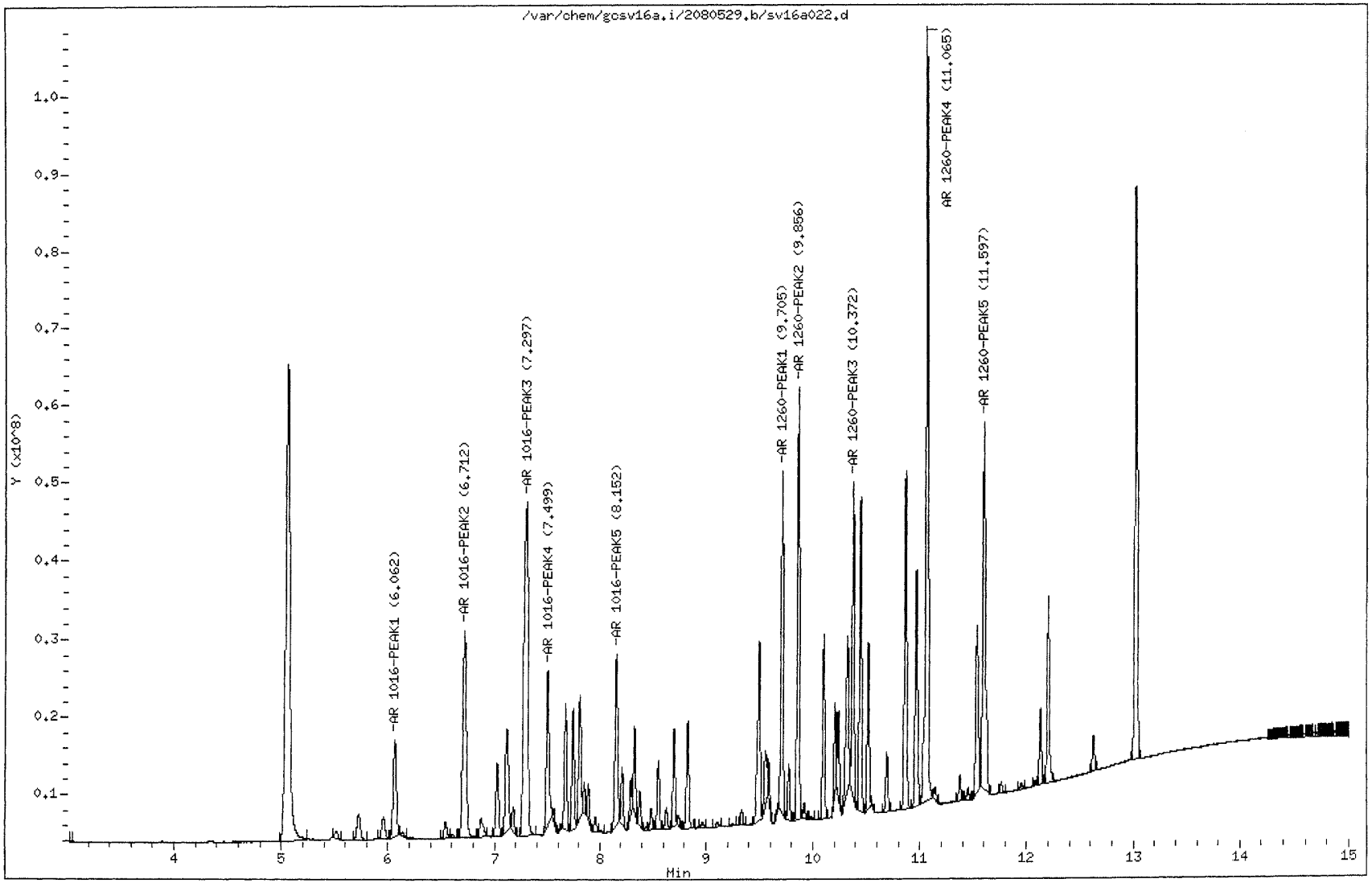
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				237160880	200.000	200
	24 AR 1016-PEAK1	6.062	6.061	0.001	25463612	200.000	200
	25 AR 1016-PEAK2	6.712	6.712	0.000	60108011	200.000	200
	26 AR 1016-PEAK3	7.297	7.297	0.000	117407284	200.000	200
	27 AR 1016-PEAK4	7.499	7.499	0.000	34181973	200.000	190
	28 AR 1016-PEAK5	8.152	8.152	0.000	37554097	200.000	200
M	29 AR 1260-AVG				426367474	200.000	200
	30 AR 1260-PEAK1	9.705	9.704	0.001	60201149	200.000	200
	31 AR 1260-PEAK2	9.856	9.856	0.000	77210664	200.000	200
	32 AR 1260-PEAK3	10.372	10.372	0.000	54803644	200.000	190
	33 AR 1260-PEAK4	11.065	11.065	0.000	150762414	200.000	200
	34 AR 1260-PEAK5	11.597	11.597	0.000	83389603	200.000	200

171221

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a022.d
Date : 29-MAY-2008 23:54
Client ID:
Sample Info: 1202x1 200
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

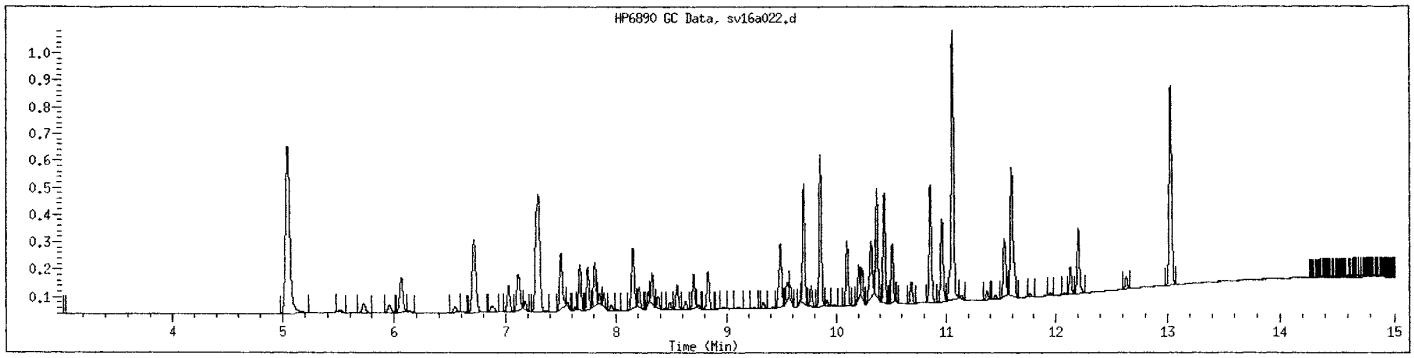


171222

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a022.d Page: 1
Report Date: 05/30/2008 10:59

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1202 SampleType : CALIB_2
Injection Date: 05/29/2008 23:54 Instrument : gcsv16a.i
Operator : tls
Sample Info : 1202*1 200
Misc Info :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: aro1260



NO MANUAL INTEGRATIONS

171223

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a023.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a023.d
Lab Smp Id: 1203
Inj Date : 30-MAY-2008 00:13
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 400
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:13 Cal File: sv16a023.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)

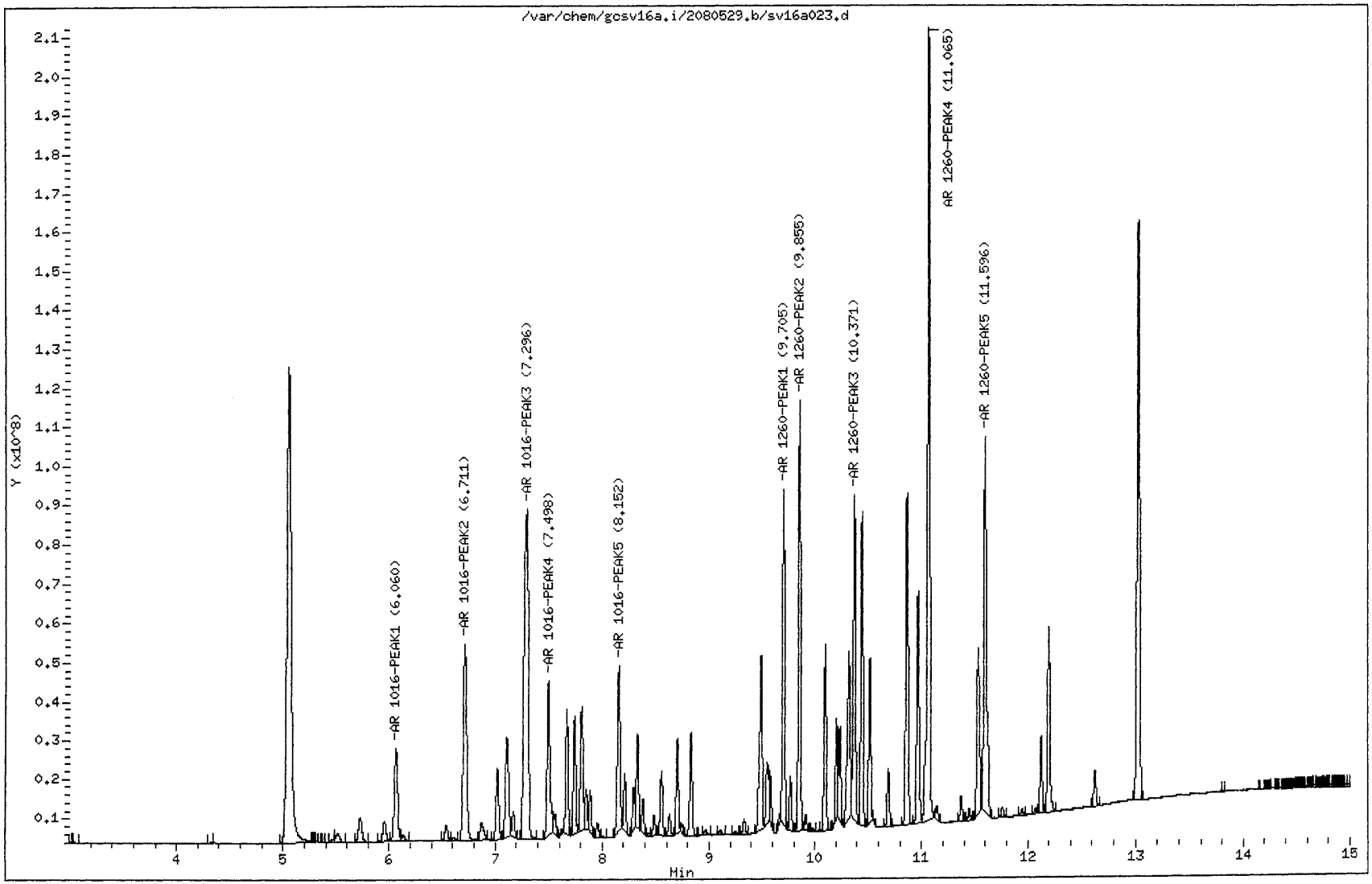
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				462149165	400.000	390
	24 AR 1016-PEAK1	6.060	6.061	-0.001	49091612	400.000	390
	25 AR 1016-PEAK2	6.711	6.712	-0.001	113942359	400.000	390
	26 AR 1016-PEAK3	7.296	7.297	-0.001	227135620	400.000	390
	27 AR 1016-PEAK4	7.498	7.499	-0.001	71979574	400.000	400
	28 AR 1016-PEAK5	8.152	8.152	0.000	72468495	400.000	380
M	29 AR 1260-AVG				850884816	400.000	400
	30 AR 1260-PEAK1	9.705	9.704	0.001	117669917	400.000	390
	31 AR 1260-PEAK2	9.855	9.856	-0.001	150739708	400.000	390
	32 AR 1260-PEAK3	10.371	10.372	-0.001	116376533	400.000	410
	33 AR 1260-PEAK4	11.065	11.065	0.000	300439848	400.000	400
	34 AR 1260-PEAK5	11.596	11.597	-0.001	165658810	400.000	390

171224

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a023.d
Date : 30-MAY-2008 00:13
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

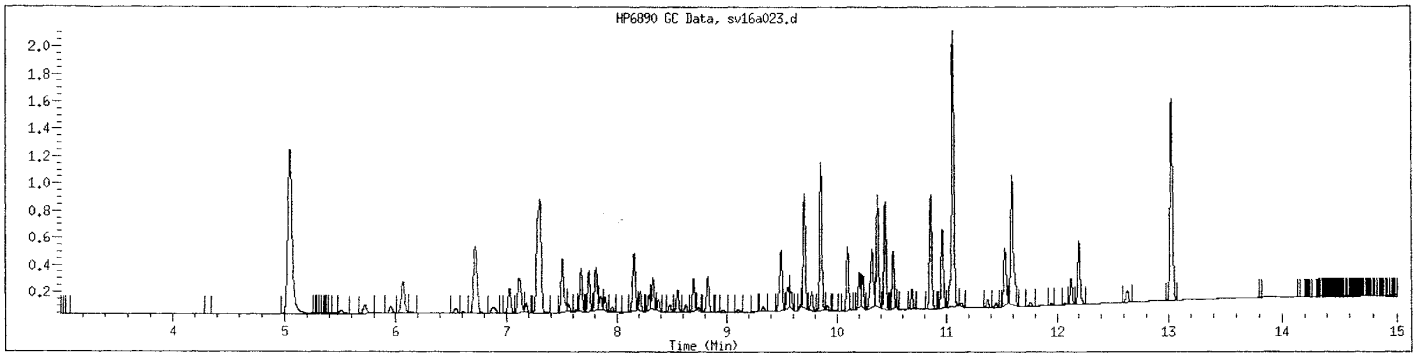


171225

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a023.d Page: 1
Report Date: 05/30/2008 10:59

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1203 SampleType : CALIB_3
Injection Date: 05/30/2008 00:13 Instrument : gcsv16a.i
Operator : tls
Sample Info : 1203*1 400
Misc Info :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: aro1260



NO MANUAL INTEGRATIONS

171226

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a024.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a024.d
Lab Smp Id: 1204
Inj Date : 30-MAY-2008 00:31
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1204*1 800
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:31 Cal File: sv16a024.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

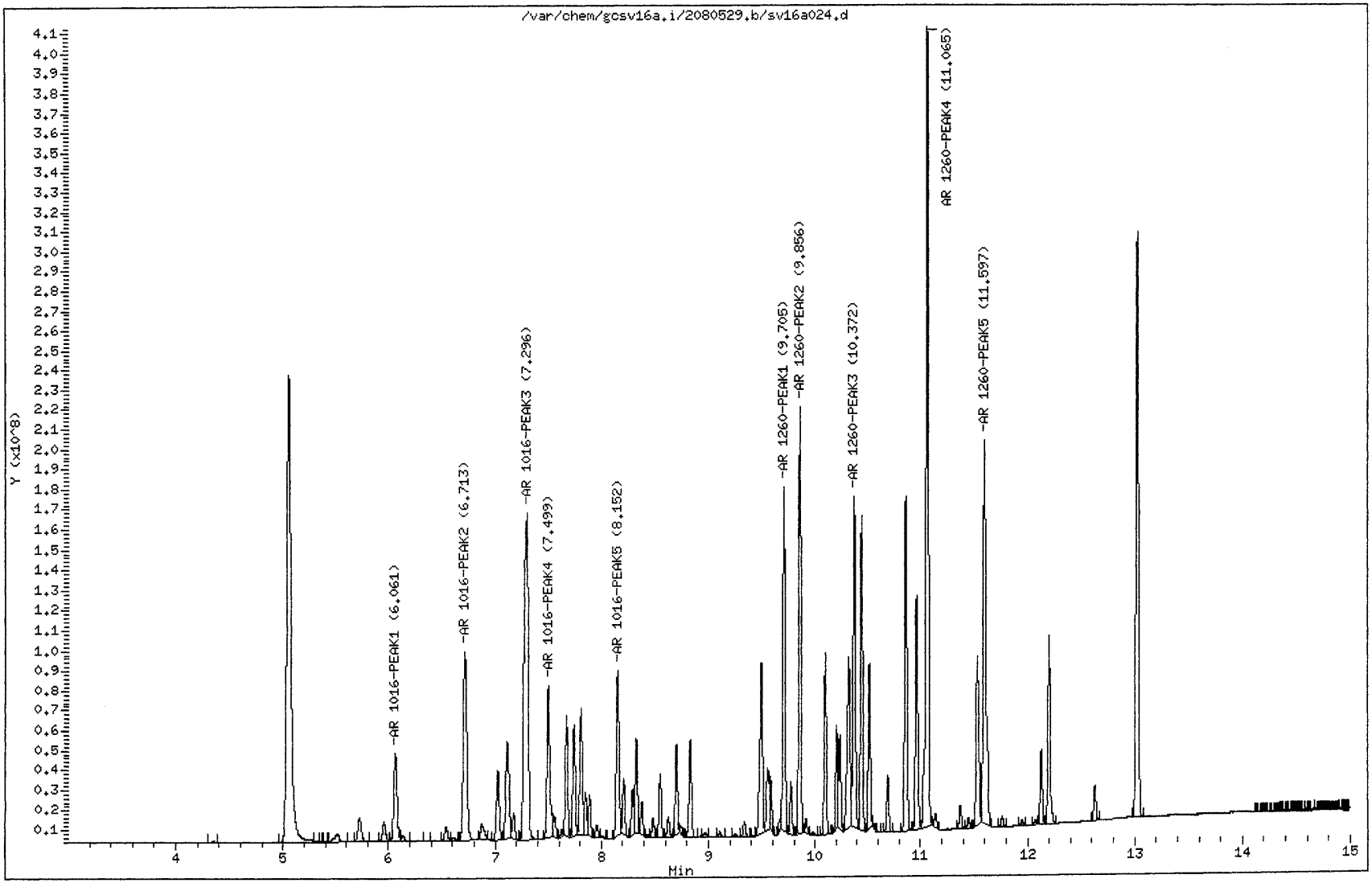
						AMOUNTS	
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (UG/L)	ON-COL (UG/L)
M	23 AR 1016-AVG				888156253	800.000	750
	24 AR 1016-PEAK1	6.061	6.061	0.000	92270507	800.000	730
	25 AR 1016-PEAK2	6.713	6.712	0.001	215933702	800.000	730
	26 AR 1016-PEAK3	7.296	7.297	-0.001	438654089	800.000	750
	27 AR 1016-PEAK4	7.499	7.499	0.000	141297955	800.000	790
	28 AR 1016-PEAK5	8.152	8.152	0.000	143611802	800.000	760
M	29 AR 1260-AVG				1701794211	800.000	800
	30 AR 1260-PEAK1	9.705	9.704	0.001	235629917	800.000	780
	31 AR 1260-PEAK2	9.856	9.856	0.000	294930270	800.000	770
	32 AR 1260-PEAK3	10.372	10.372	0.000	235789388	800.000	840
	33 AR 1260-PEAK4	11.065	11.065	0.000	600113324	800.000	810
	34 AR 1260-PEAK5	11.597	11.597	0.000	335331312	800.000	800

171227

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a024.d
Date : 30-MAY-2008 00:31
Client ID:
Sample Info: 1204*1 800
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

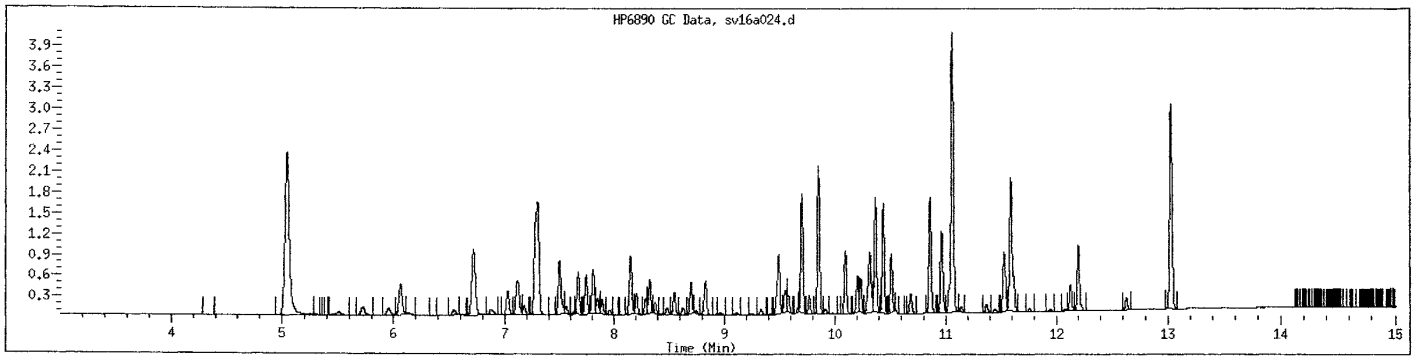
Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1204	SampleType	: CALIB_4
Injection Date	: 05/30/2008 00:31	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1204*1 800		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

171229

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a025.d
Report Date: 30-May-2008 10:59

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a025.d
Lab Smp Id: 1205
Inj Date : 30-MAY-2008 00:50
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1205*1 80-22-9
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 10:59 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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				1694769767	1600.00	1400
	24 AR 1016-PEAK1	6.062	6.061	0.001	171548697	1600.00	1400
	25 AR 1016-PEAK2	6.713	6.712	0.001	407568226	1600.00	1400
	26 AR 1016-PEAK3	7.297	7.297	0.000	843569837	1600.00	1500
	27 AR 1016-PEAK4	7.500	7.499	0.001	272083007	1600.00	1500
	28 AR 1016-PEAK5	8.153	8.152	0.001	279520296	1600.00	1500
M	29 AR 1260-AVG				3375964060	1600.00	1600
	30 AR 1260-PEAK1	9.705	9.704	0.001	463750064	1600.00	1500
	31 AR 1260-PEAK2	9.857	9.856	0.001	575432408	1600.00	1500
	32 AR 1260-PEAK3	10.373	10.372	0.001	467681771	1600.00	1700(A)
	33 AR 1260-PEAK4	11.067	11.065	0.002	1198432021	1600.00	1600(A)
	34 AR 1260-PEAK5	11.597	11.597	0.000	670667796	1600.00	1600

171230

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a025.d
Report Date: 30-May-2008 10:59

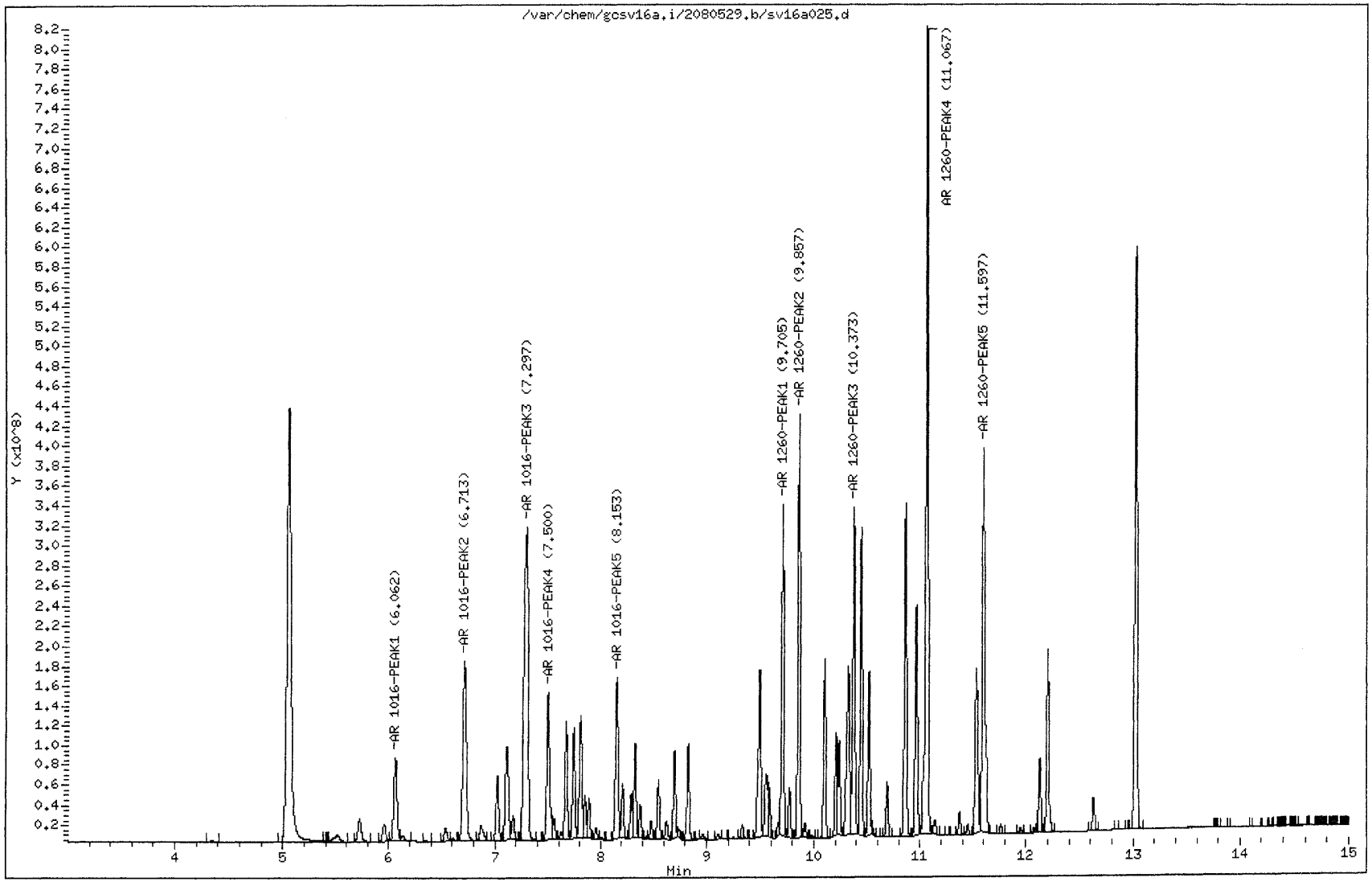
QC Flag Legend

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

171231

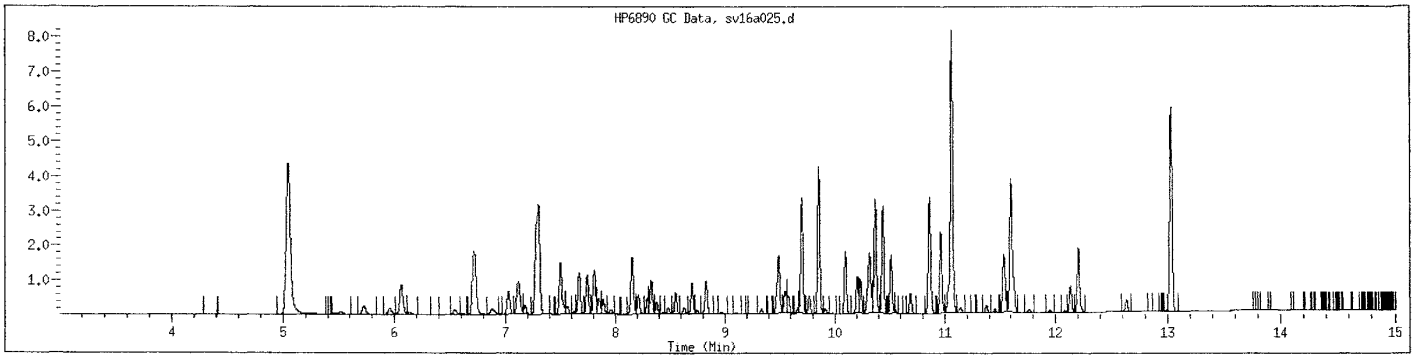
Data File: /var/chem/gcsv16a.i/2080529.b/sv16a025.d
Date : 30-MAY-2008 00:50
Client ID:
Sample Info: 1205*1 80-22-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 05/30/2008 00:50	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1205*1 80-22-9		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

171233

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a026.d
Report Date: 30-May-2008 09:25

GCAL, Inc.

RECOVERY REPORT

Client Name:
Client SDG: 2080529
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/2080529.b/pest35MS.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
M 23 AR 1016-AVG	400	380	94.63	85-115
M 29 AR 1260-AVG	400	390	97.38	85-115

171234

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a026.d
Report Date: 30-May-2008 09:25

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080529.b/sv16a026.d
Lab Smp Id: 1600
Inj Date : 30-MAY-2008 01:09
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1600*1 80-21-3
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Meth Date : 30-May-2008 09:25 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 26 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)

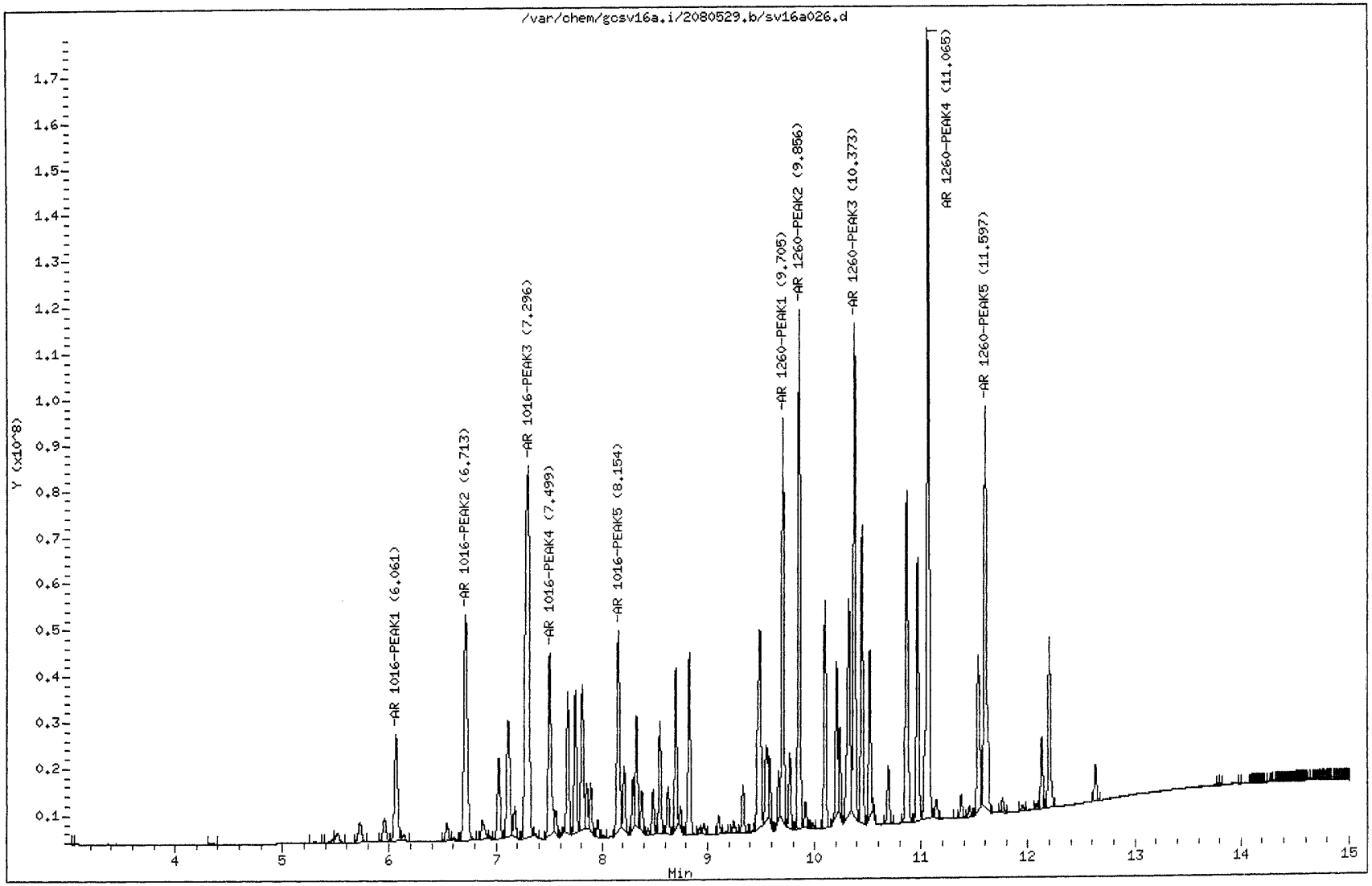
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
M	23 AR 1016-AVG				446520163	378.511	380
	24 AR 1016-PEAK1	6.061	6.061	0.000	46474635	369.414	370
	25 AR 1016-PEAK2	6.713	6.712	0.001	110115499	374.726	370
	26 AR 1016-PEAK3	7.296	7.297	-0.001	218777841	376.116	380
	27 AR 1016-PEAK4	7.499	7.499	0.000	71152188	398.975	400
	28 AR 1016-PEAK5	8.154	8.152	0.002	74979144	396.732	400
M	29 AR 1260-AVG				831696926	389.503	390
	30 AR 1260-PEAK1	9.705	9.704	0.001	120579797	397.437	400
	31 AR 1260-PEAK2	9.856	9.856	0.000	155225989	403.890	400
	32 AR 1260-PEAK3	10.373	10.372	0.001	149736423	531.022	530
	33 AR 1260-PEAK4	11.065	11.065	0.000	258234257	346.777	350
	34 AR 1260-PEAK5	11.597	11.597	0.000	147920460	351.431	350

171235

Data File: /var/chem/gcsv16a.i/2080529.b/sv16a026.d
Date : 30-MAY-2008 01:09
Client ID:
Sample Info: 1600x1 80-21-3
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

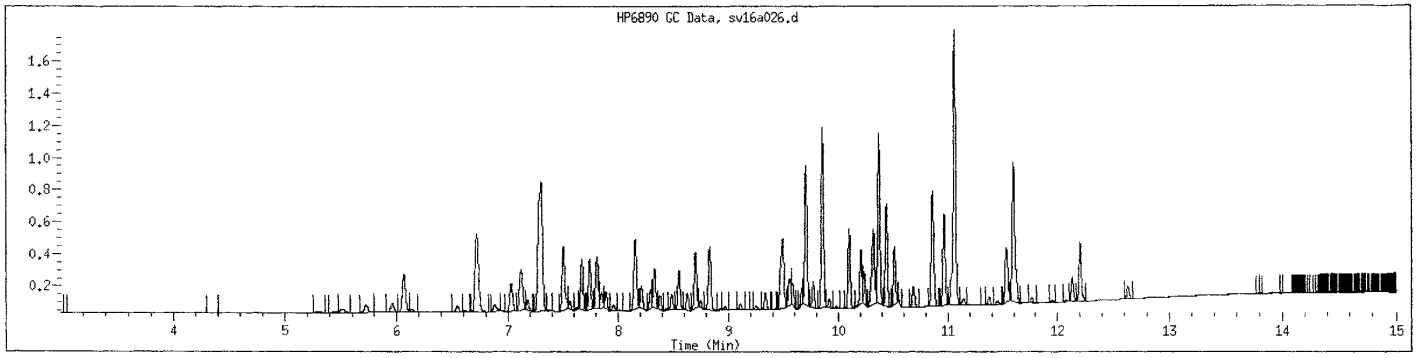
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



171236

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 05/30/2008 01:09	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1600*1 80-21-3		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080529.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

171237

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a004.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 06-JUN-2008 12:15
Lab File ID: sv16a004.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080606.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	1179677	1028855	0.010	12.78498	20.00000	Averaged
24 AR 1016-PEAK1	125806	107667	0.010	14.41858	20.00000	Averaged
25 AR 1016-PEAK2	293856	254089	0.010	13.53276	20.00000	Averaged
26 AR 1016-PEAK3	581677	505763	0.010	13.05084	20.00000	Averaged
27 AR 1016-PEAK4	178337	161336	0.010	9.53328	20.00000	Averaged
28 AR 1016-PEAK5	188992	162605	0.010	13.96214	20.00000	Averaged
M 29 AR 1260-AVG	2135277	1851495	0.010	13.29016	20.00000	Averaged
30 AR 1260-PEAK1	303393	266387	0.010	12.19728	20.00000	Averaged
31 AR 1260-PEAK2	384327	330571	0.010	13.98707	20.00000	Averaged
32 AR 1260-PEAK3	281978	261655	0.010	7.20726	20.00000	Averaged
33 AR 1260-PEAK4	744669	616537	0.010	17.20658	20.00000	Averaged
34 AR 1260-PEAK5	420909	376344	0.010	10.58779	20.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 12.64656
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

171238

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a004.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a004.d
Lab Smp Id: 1400
Inj Date : 06-JUN-2008 12:15
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-9
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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

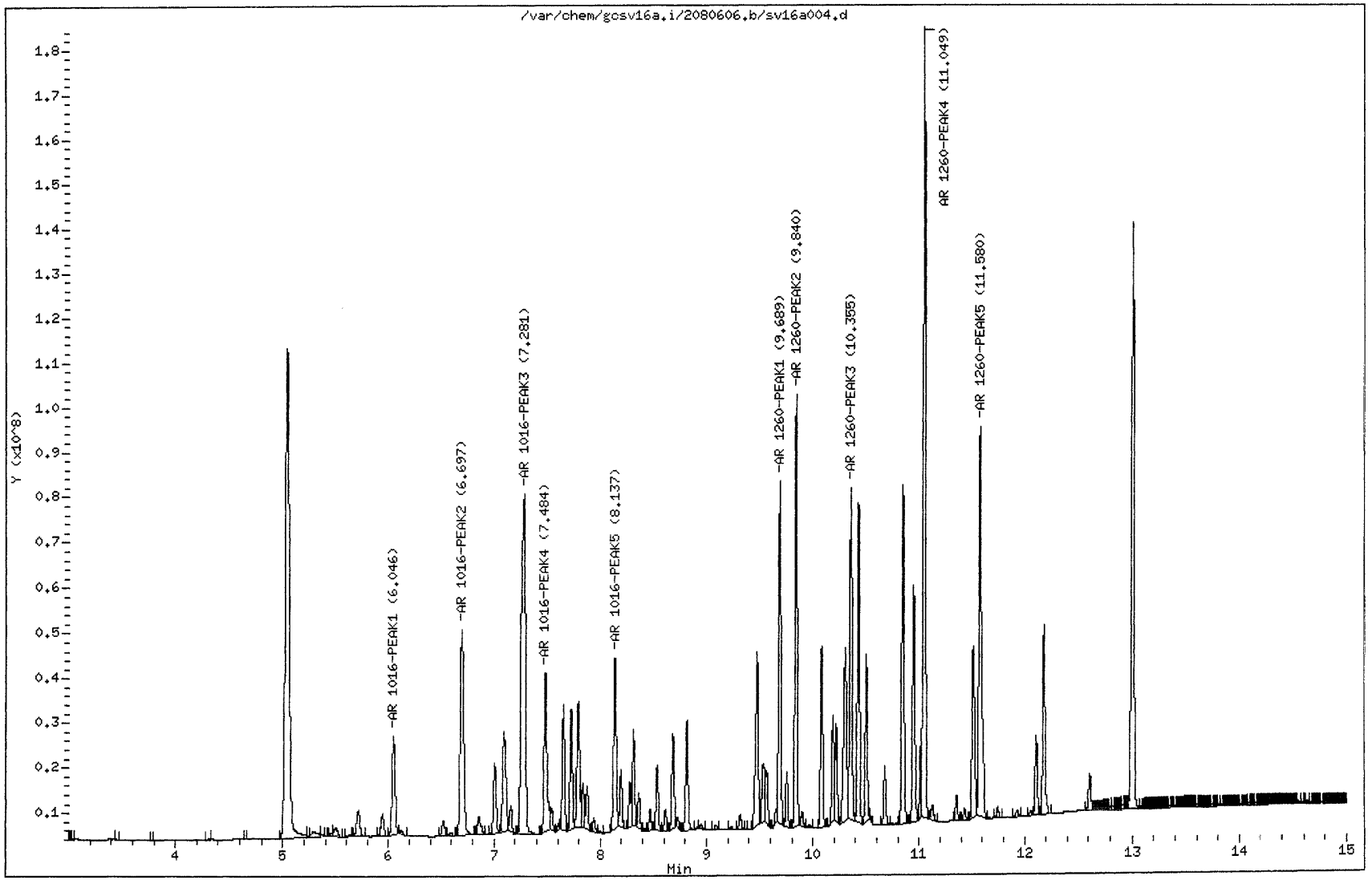
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				411542041	400.000	350
	24 AR 1016-PEAK1	6.046	6.059	-0.013	43066700	400.000	340
	25 AR 1016-PEAK2	6.697	6.679	0.018	101635681	400.000	350
	26 AR 1016-PEAK3	7.281	7.264	0.017	202305296	400.000	350
	27 AR 1016-PEAK4	7.484	7.466	0.018	64534364	400.000	360
	28 AR 1016-PEAK5	8.137	8.120	0.017	65041912	400.000	340
M	29 AR 1260-AVG				740598010	400.000	350
	30 AR 1260-PEAK1	9.689	9.702	-0.013	106554965	400.000	350
	31 AR 1260-PEAK2	9.840	9.854	-0.014	132228396	400.000	340
	32 AR 1260-PEAK3	10.355	10.339	0.016	104662040	400.000	370
	33 AR 1260-PEAK4	11.049	11.051	-0.002	246614926	400.000	330
	34 AR 1260-PEAK5	11.580	11.564	0.016	150537683	400.000	360

171239

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a004.d
Date : 06-JUN-2008 12:15
Client ID:
Sample Info: 1400*1 80-22-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

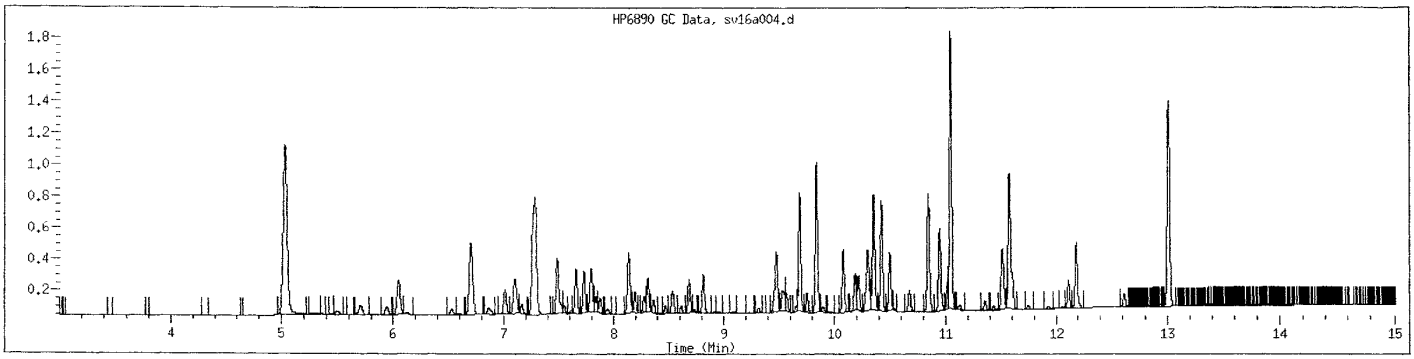
Operator: tls
Column diameter: 0.32



171240

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/06/2008 12:15	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-22-9		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist:	aro1260



NO MANUAL INTEGRATIONS

171241

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a015.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 06-JUN-2008 17:23
Lab File ID: sv16a015.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080606.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	1179677	998913	0.010	15.32310	20.00000	Averaged
24 AR 1016-PEAK1	125806	102433	0.010	18.57886	20.00000	Averaged
25 AR 1016-PEAK2	293856	243249	0.010	17.22188	20.00000	Averaged
26 AR 1016-PEAK3	581677	500172	0.010	14.01214	20.00000	Averaged
27 AR 1016-PEAK4	178337	153061	0.010	14.17357	20.00000	Averaged
28 AR 1016-PEAK5	188992	157390	0.010	16.72160	20.00000	Averaged
M 29 AR 1260-AVG	2135277	1826831	0.010	14.44526	20.00000	Averaged
30 AR 1260-PEAK1	303393	258493	0.010	14.79921	20.00000	Averaged
31 AR 1260-PEAK2	384327	324635	0.010	15.53167	20.00000	Averaged
32 AR 1260-PEAK3	281978	256909	0.010	8.89040	20.00000	Averaged
33 AR 1260-PEAK4	744669	612704	0.010	17.72135	20.00000	Averaged
34 AR 1260-PEAK5	420909	374090	0.010	11.12343	20.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 14.87854
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

171242

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a015.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a015.d
Lab Smp Id: 1400
Inj Date : 06-JUN-2008 17:23
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-9
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 15 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

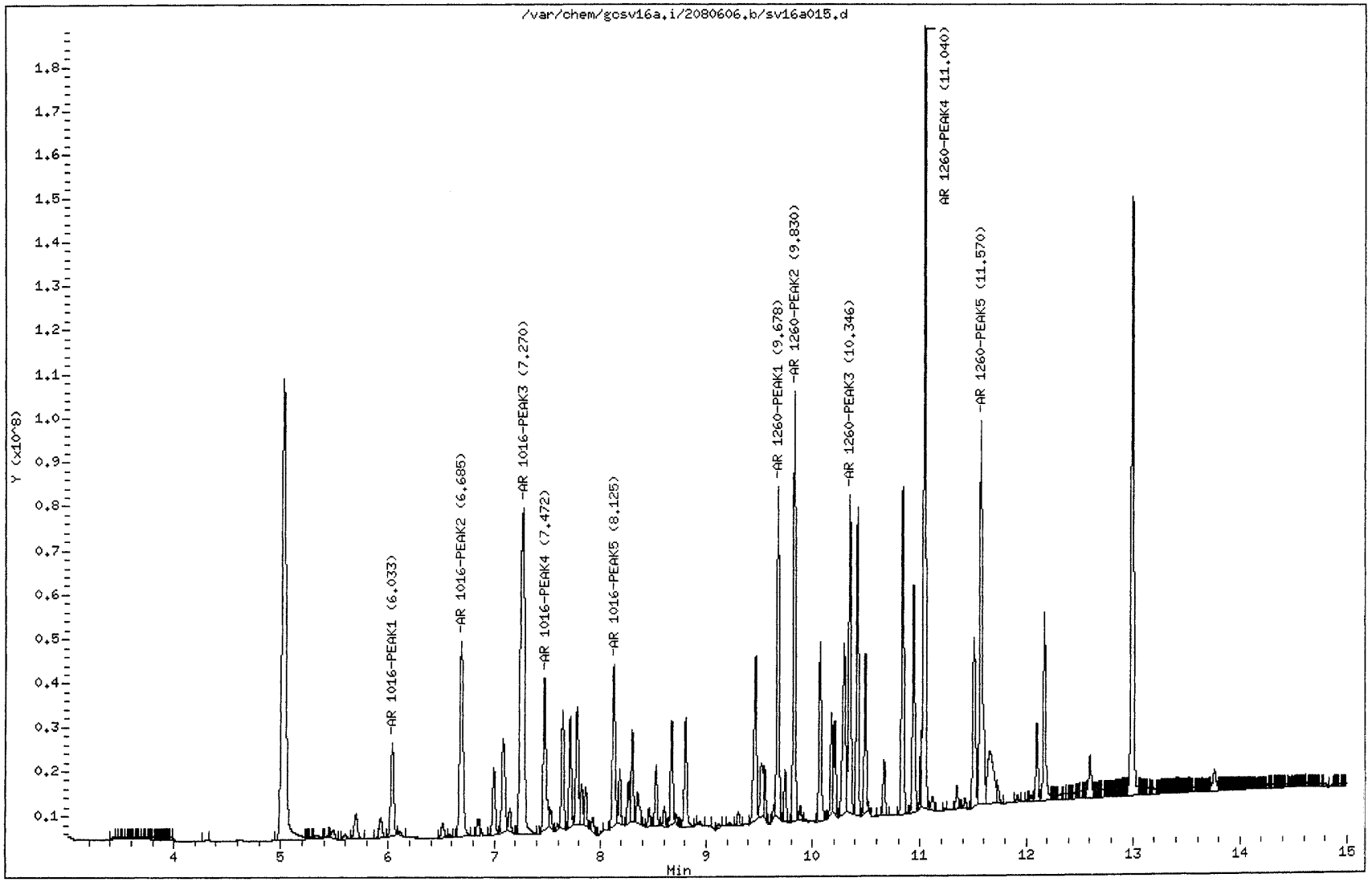
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

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				399565398	400.000	340
	24 AR 1016-PEAK1	6.033	6.056	-0.023	40973145	400.000	330
	25 AR 1016-PEAK2	6.685	6.677	0.008	97299409	400.000	330
	26 AR 1016-PEAK3	7.270	7.262	0.008	200068625	400.000	340
	27 AR 1016-PEAK4	7.472	7.465	0.007	61224219	400.000	340
	28 AR 1016-PEAK5	8.125	8.118	0.007	62955848	400.000	330
M	29 AR 1260-AVG				730732250	400.000	340
	30 AR 1260-PEAK1	9.678	9.700	-0.022	103397328	400.000	340
	31 AR 1260-PEAK2	9.830	9.852	-0.022	129853881	400.000	340
	32 AR 1260-PEAK3	10.346	10.338	0.008	102763602	400.000	360
	33 AR 1260-PEAK4	11.040	11.050	-0.010	245081571	400.000	330
	34 AR 1260-PEAK5	11.570	11.562	0.008	149635868	400.000	360

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a015.d
Date : 06-JUN-2008 17:23
Client ID:
Sample Info: 1400*1 80-22-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

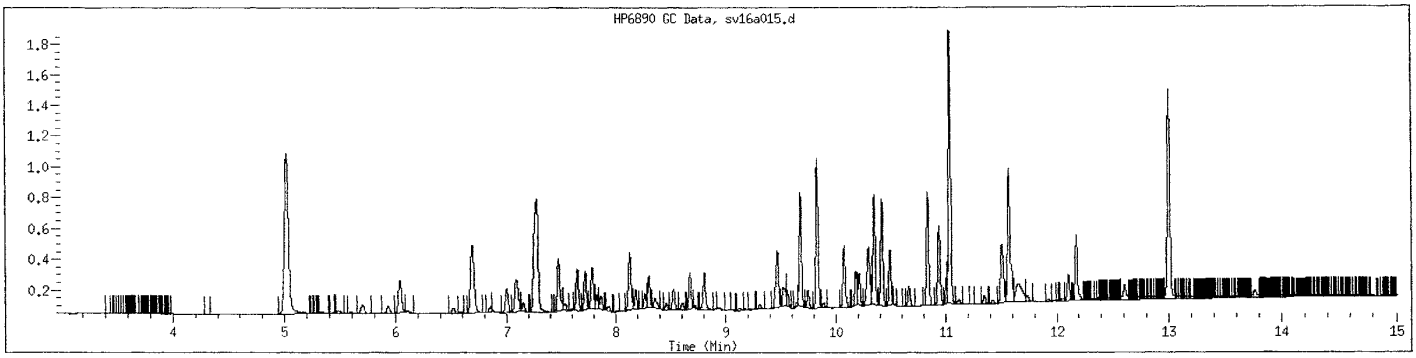
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080606.b/sv16a015.d
Report Date: 06/09/2008 12:31

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/06/2008 17:23	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-22-9		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a021.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 06-JUN-2008 19:15
Lab File ID: sv16a021.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080606.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	1179677	991894	0.010	15.91818	20.00000	Averaged
24 AR 1016-PEAK1	125806	102233	0.010	18.73808	20.00000	Averaged
25 AR 1016-PEAK2	293856	244113	0.010	16.92758	20.00000	Averaged
26 AR 1016-PEAK3	581677	492865	0.010	15.26833	20.00000	Averaged
27 AR 1016-PEAK4	178337	152683	0.010	14.38524	20.00000	Averaged
28 AR 1016-PEAK5	188992	152984	0.010	19.05270	20.00000	Averaged
M 29 AR 1260-AVG	2135277	1775120	0.010	16.86696	20.00000	Averaged
30 AR 1260-PEAK1	303393	252927	0.010	16.63386	20.00000	Averaged
31 AR 1260-PEAK2	384327	317592	0.010	17.36425	20.00000	Averaged
32 AR 1260-PEAK3	281978	248651	0.010	11.81889	20.00000	Averaged
33 AR 1260-PEAK4	744669	596052	0.010	19.95757	20.00000	Averaged
34 AR 1260-PEAK5	420909	359899	0.010	14.49488	20.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 16.45221
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

171246

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a021.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a021.d
Lab Smp Id: 1400
Inj Date : 06-JUN-2008 19:15
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-9
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 21 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)

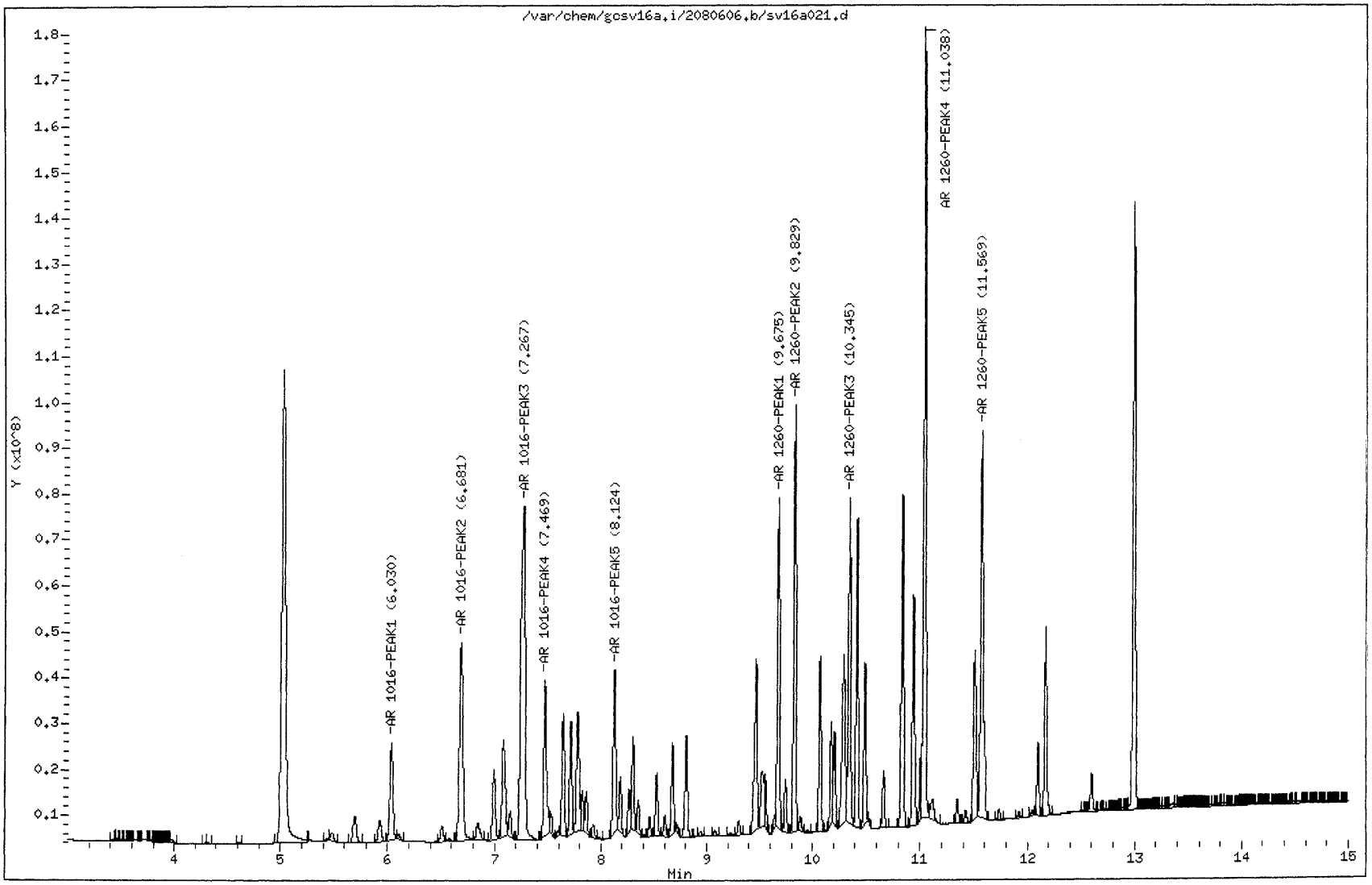
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				396757414	400.000	340
	24 AR 1016-PEAK1	6.030	6.056	-0.026	40893021	400.000	330
	25 AR 1016-PEAK2	6.681	6.677	0.004	97645331	400.000	330
	26 AR 1016-PEAK3	7.267	7.262	0.005	197145839	400.000	340
	27 AR 1016-PEAK4	7.469	7.464	0.005	61073223	400.000	340
	28 AR 1016-PEAK5	8.124	8.118	0.006	61193613	400.000	320
M	29 AR 1260-AVG				710048182	400.000	330
	30 AR 1260-PEAK1	9.675	9.699	-0.024	101170847	400.000	330
	31 AR 1260-PEAK2	9.829	9.852	-0.023	127036626	400.000	330
	32 AR 1260-PEAK3	10.345	10.338	0.007	99460530	400.000	350
	33 AR 1260-PEAK4	11.038	11.050	-0.012	238420614	400.000	320
	34 AR 1260-PEAK5	11.569	11.562	0.007	143959565	400.000	340

171247

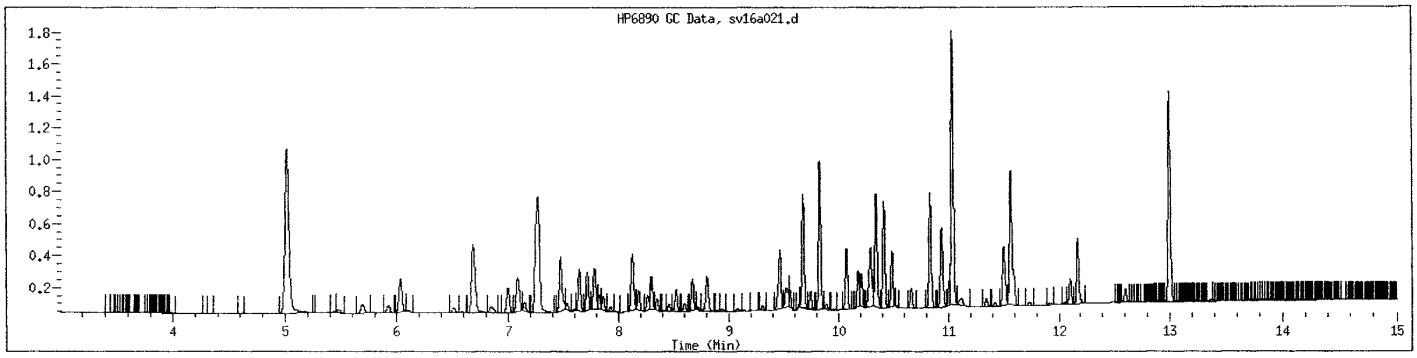
Data File: /var/chem/gcsv16a.i/2080606.b/sv16a021.d
Date : 06-JUN-2008 19:15
Client ID:
Sample Info: 1400*1 80-22-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/06/2008 19:15	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-22-9		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist:	aro1260



NO MANUAL INTEGRATIONS

171249

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a027.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 07-JUN-2008 14:17
Lab File ID: sv16a027.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080606.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	1179677	1143009	0.010	3.10831	20.00000	Averaged
24 AR 1016-PEAK1	125806	120522	0.010	4.20042	20.00000	Averaged
25 AR 1016-PEAK2	293856	281692	0.010	4.13954	20.00000	Averaged
26 AR 1016-PEAK3	581677	557431	0.010	4.16833	20.00000	Averaged
27 AR 1016-PEAK4	178337	183364	0.010	-2.81876	20.00000	Averaged
28 AR 1016-PEAK5	188992	190521	0.010	-0.80885	20.00000	Averaged
M 29 AR 1260-AVG	2135277	2100031	0.010	1.65065	20.00000	Averaged
30 AR 1260-PEAK1	303393	301434	0.010	0.64564	20.00000	Averaged
31 AR 1260-PEAK2	384327	371639	0.010	3.30139	20.00000	Averaged
32 AR 1260-PEAK3	281978	296517	0.010	-5.15619	20.00000	Averaged
33 AR 1260-PEAK4	744669	702269	0.010	5.69387	20.00000	Averaged
34 AR 1260-PEAK5	420909	428171	0.010	-1.72537	20.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 3.11811
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

171250

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a027.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a027.d
Lab Smp Id: 1400
Inj Date : 07-JUN-2008 14:17
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-9
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 27 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

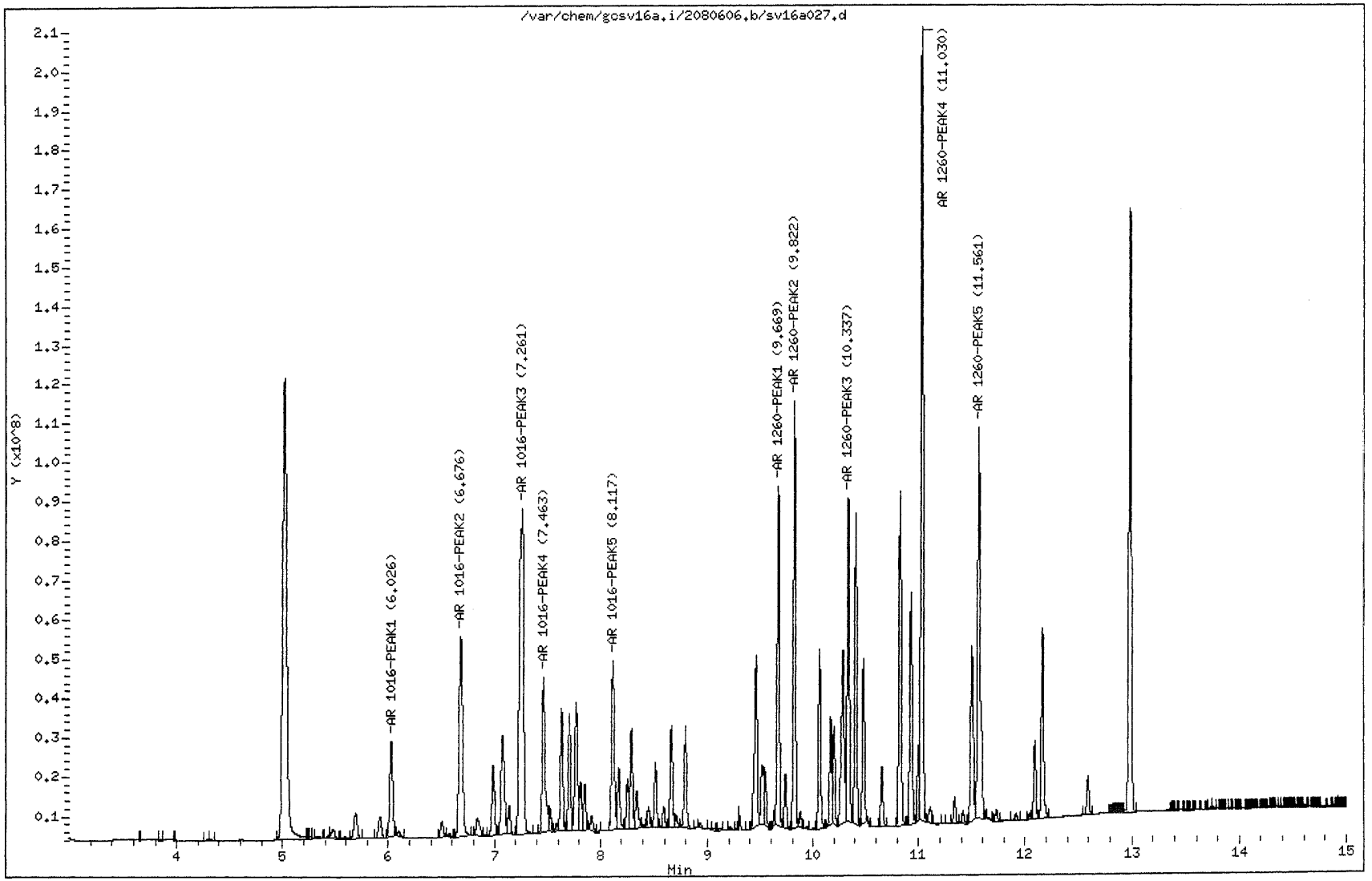
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				457203410	400.000	390
	24 AR 1016-PEAK1	6.026	6.055	-0.029	48208732	400.000	380
	25 AR 1016-PEAK2	6.676	6.676	0.000	112676702	400.000	380
	26 AR 1016-PEAK3	7.261	7.261	0.000	222972295	400.000	380
	27 AR 1016-PEAK4	7.463	7.463	0.000	73345681	400.000	410
	28 AR 1016-PEAK5	8.117	8.117	0.000	76208317	400.000	400
M	29 AR 1260-AVG				840012377	400.000	390
	30 AR 1260-PEAK1	9.669	9.698	-0.029	120573714	400.000	400
	31 AR 1260-PEAK2	9.822	9.851	-0.029	148655581	400.000	390
	32 AR 1260-PEAK3	10.337	10.337	0.000	118606920	400.000	420
	33 AR 1260-PEAK4	11.030	11.049	-0.019	280907584	400.000	380
	34 AR 1260-PEAK5	11.561	11.561	0.000	171268578	400.000	410

171251

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a027.d
Date : 07-JUN-2008 14:17
Client ID:
Sample Info: 1400*1 80-22-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

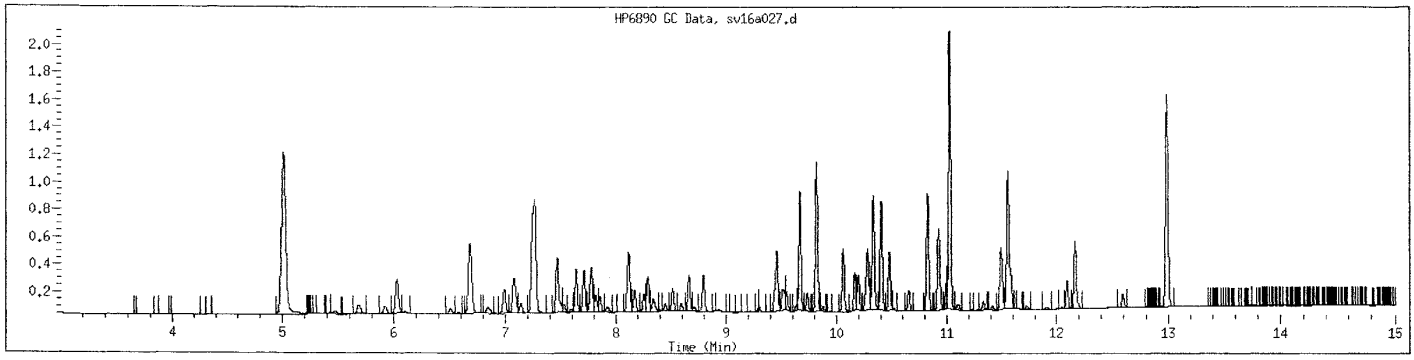
Operator: tls
Column diameter: 0.32



171252

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/07/2008 14:17	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-22-9		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

171253

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a035.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 07-JUN-2008 17:46
Lab File ID: sv16a035.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080606.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	1179677	1091771	0.010	7.45164	20.00000	Averaged
24 AR 1016-PEAK1	125806	112613	0.010	10.48726	20.00000	Averaged
25 AR 1016-PEAK2	293856	265263	0.010	9.73038	20.00000	Averaged
26 AR 1016-PEAK3	581677	540302	0.010	7.11303	20.00000	Averaged
27 AR 1016-PEAK4	178337	173594	0.010	2.65986	20.00000	Averaged
28 AR 1016-PEAK5	188992	179681	0.010	4.92669	20.00000	Averaged
M 29 AR 1260 AVG	2135277	1973049	0.010	7.59749	20.00000	Averaged
30 AR 1260-PEAK1	303393	283630	0.010	6.51416	20.00000	Averaged
31 AR 1260-PEAK2	384327	348881	0.010	9.22280	20.00000	Averaged
32 AR 1260-PEAK3	281978	280066	0.010	0.67803	20.00000	Averaged
33 AR 1260-PEAK4	744669	659267	0.010	11.46847	20.00000	Averaged
34 AR 1260-PEAK5	420909	401205	0.010	4.68133	20.00000	Averaged

Average %D / Drift Results.
Calculated Average %D/Drift = 6.87759
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

171254

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a035.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a035.d
Lab Smp Id: 1400
Inj Date : 07-JUN-2008 17:46
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-9
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 35 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

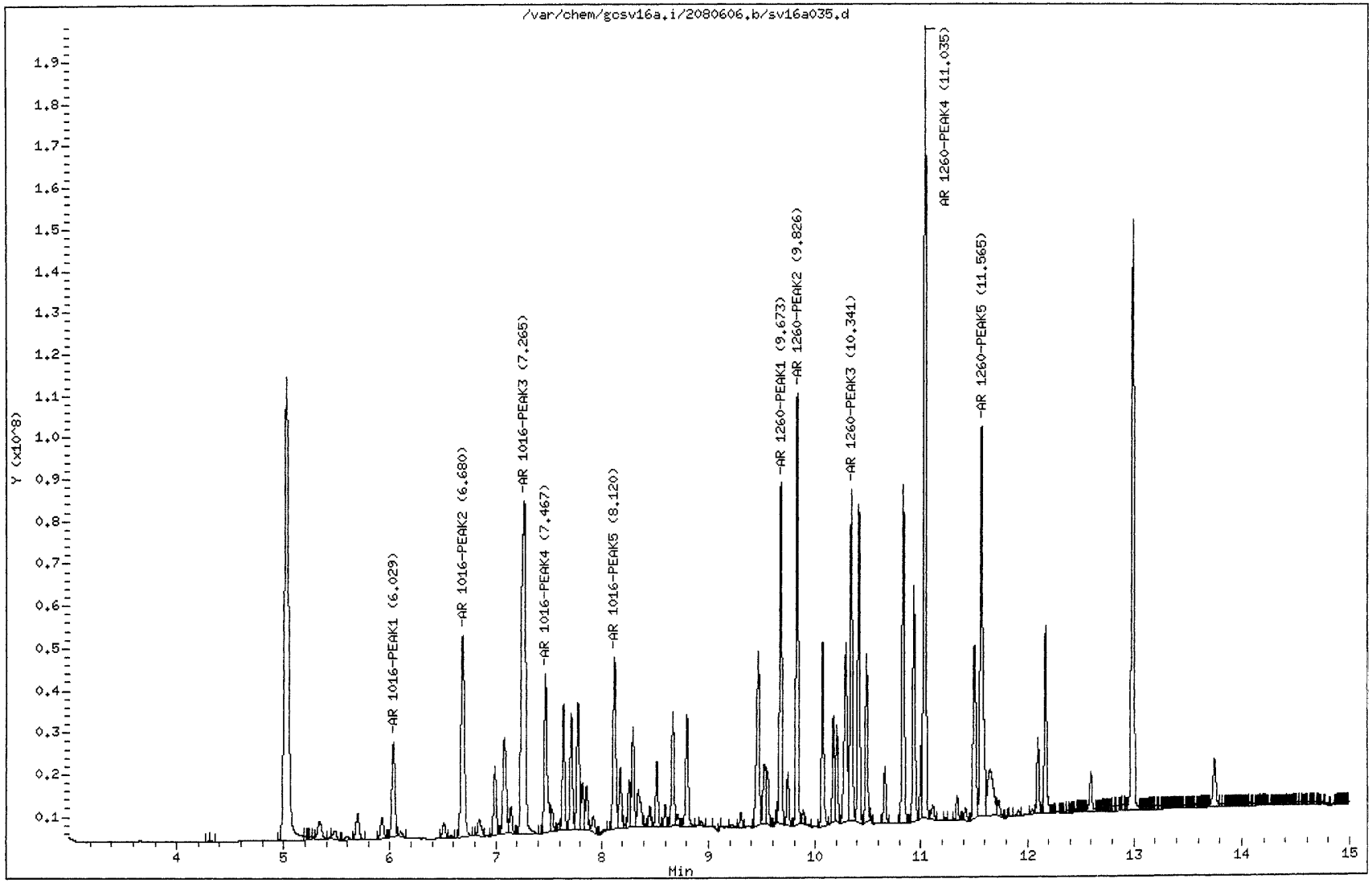
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				436708492	400.000	370
	24 AR 1016-PEAK1	6.029	6.056	-0.027	45045036	400.000	360
	25 AR 1016-PEAK2	6.680	6.676	0.004	106105093	400.000	360
	26 AR 1016-PEAK3	7.265	7.262	0.003	216120848	400.000	370
	27 AR 1016-PEAK4	7.467	7.464	0.003	69437515	400.000	390
	28 AR 1016-PEAK5	8.120	8.117	0.003	71872433	400.000	380
M	29 AR 1260-AVG				789219746	400.000	370
	30 AR 1260-PEAK1	9.673	9.699	-0.026	113451834	400.000	370
	31 AR 1260-PEAK2	9.826	9.851	-0.025	139552552	400.000	360
	32 AR 1260-PEAK3	10.341	10.337	0.004	112026436	400.000	400
	33 AR 1260-PEAK4	11.035	11.049	-0.014	263706904	400.000	350
	34 AR 1260-PEAK5	11.565	11.562	0.003	160482020	400.000	380

171255

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a035.d
Date : 07-JUN-2008 17:46
Client ID:
Sample Info: 1400*1 80-22-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

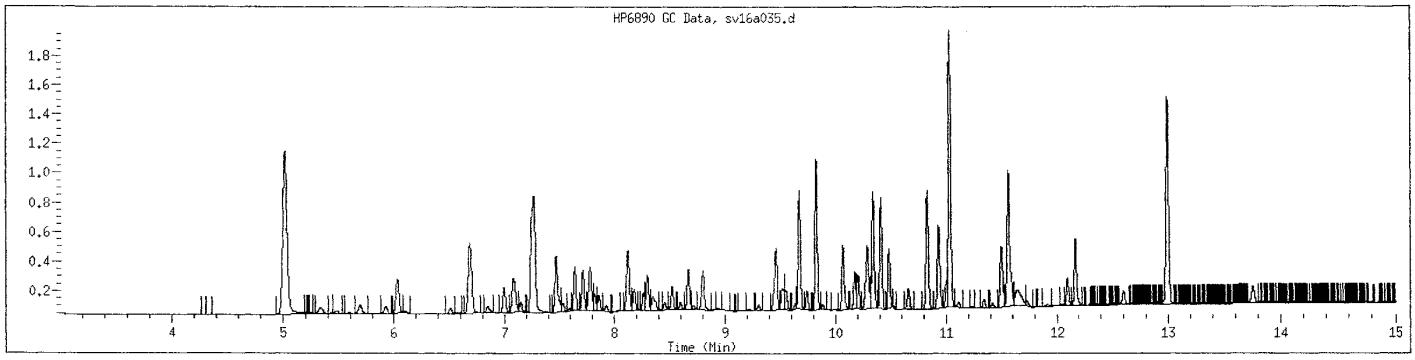
Operator: tls
Column diameter: 0.32



171256

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/07/2008 17:46	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-22-9		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: arol260



NO MANUAL INTEGRATIONS

171257

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a004.d
Report Date: 11-Jun-2008 16:03

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 08-JUN-2008 13:22
Lab File ID: sv16a004.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080608.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	1179677	1087414	0.010	7.82099	20.00000	Averaged
24 AR 1016-PEAK1	125806	117875	0.010	6.30470	20.00000	Averaged
25 AR 1016-PEAK2	293856	266819	0.010	9.20080	20.00000	Averaged
26 AR 1016-PEAK3	581677	530091	0.010	8.86854	20.00000	Averaged
27 AR 1016-PEAK4	178337	172630	0.010	3.20026	20.00000	Averaged
28 AR 1016-PEAK5	188992	172266	0.010	8.85014	20.00000	Averaged
M 29 AR 1260-AVG	2135277	1906545	0.010	10.71203	20.00000	Averaged
30 AR 1260-PEAK1	303393	277292	0.010	8.60315	20.00000	Averaged
31 AR 1260-PEAK2	384327	341053	0.010	11.25968	20.00000	Averaged
32 AR 1260-PEAK3	281978	269927	0.010	4.27385	20.00000	Averaged
33 AR 1260-PEAK4	744669	631227	0.010	15.23398	20.00000	Averaged
34 AR 1260-PEAK5	420909	387047	0.010	8.04495	20.00000	Averaged

Average %D / Drift Results.
Calculated Average %D/Drift = 8.53109
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

171258

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a004.d
Report Date: 11-Jun-2008 16:03

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a004.d
Lab Smp Id: 1400
Inj Date : 08-JUN-2008 13:22
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-9
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Meth Date : 11-Jun-2008 16:03 tls Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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

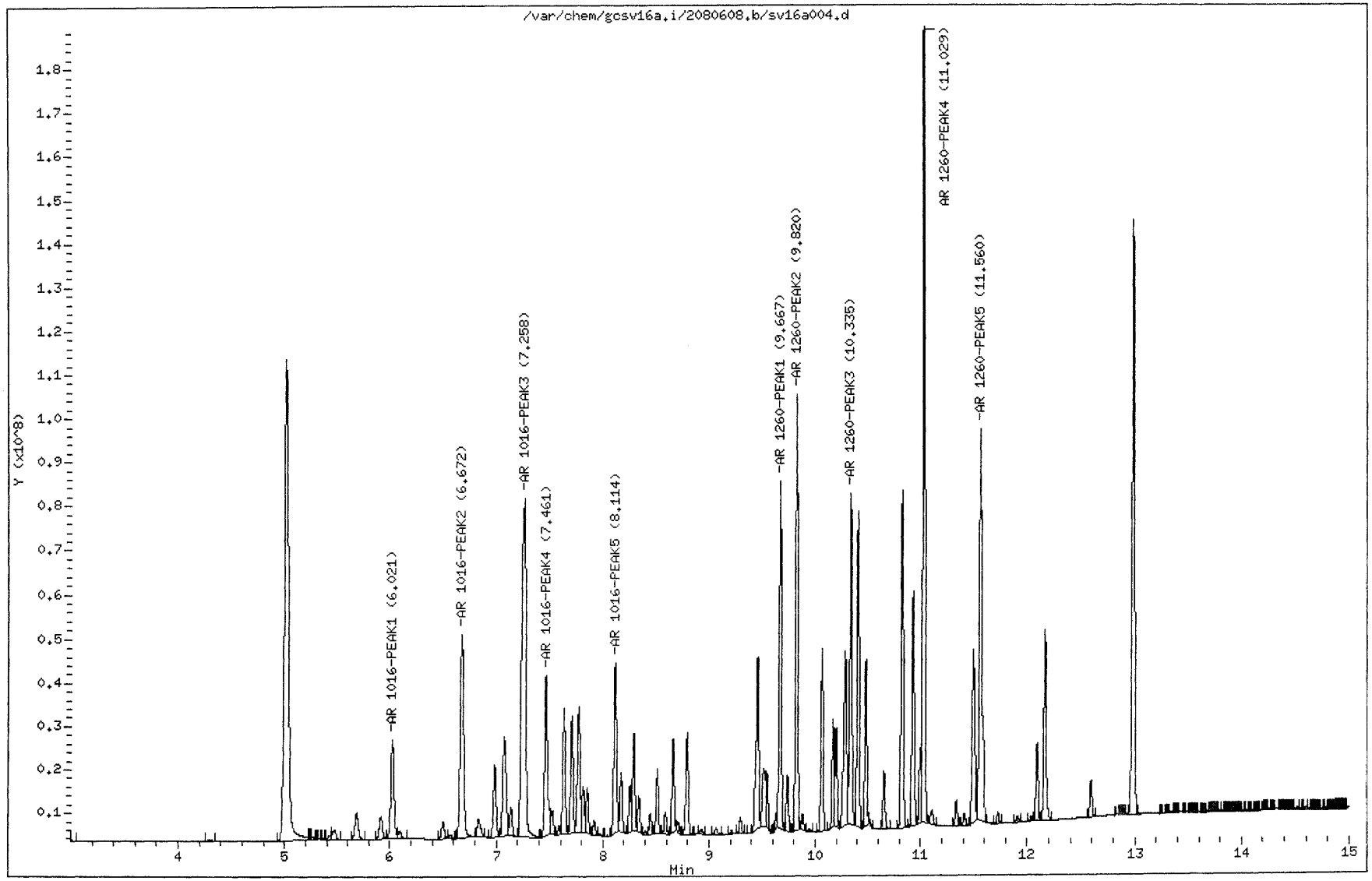
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	ON-COL (UG/L)
M	23 AR 1016-AVG				434965670	400.000	370
	24 AR 1016-PEAK1	6.021	6.021	0.000	47149807	400.000	370
	25 AR 1016-PEAK2	6.672	6.675	-0.003	106727572	400.000	360
	26 AR 1016-PEAK3	7.258	7.261	-0.003	212036271	400.000	360
	27 AR 1016-PEAK4	7.461	7.463	-0.002	69052020	400.000	390
	28 AR 1016-PEAK5	8.114	8.116	-0.002	68906421	400.000	360
M	29 AR 1260-AVG				762618173	400.000	360
	30 AR 1260-PEAK1	9.667	9.667	0.000	110916699	400.000	370
	31 AR 1260-PEAK2	9.820	9.820	0.000	136421240	400.000	350
	32 AR 1260-PEAK3	10.335	10.336	-0.001	107970670	400.000	380
	33 AR 1260-PEAK4	11.029	11.048	-0.019	252490651	400.000	340
	34 AR 1260-PEAK5	11.560	11.561	-0.001	154818913	400.000	370

171259

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a004.d
Date : 08-JUN-2008 13:22
Client ID:
Sample Info: 1400*1 80-22-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

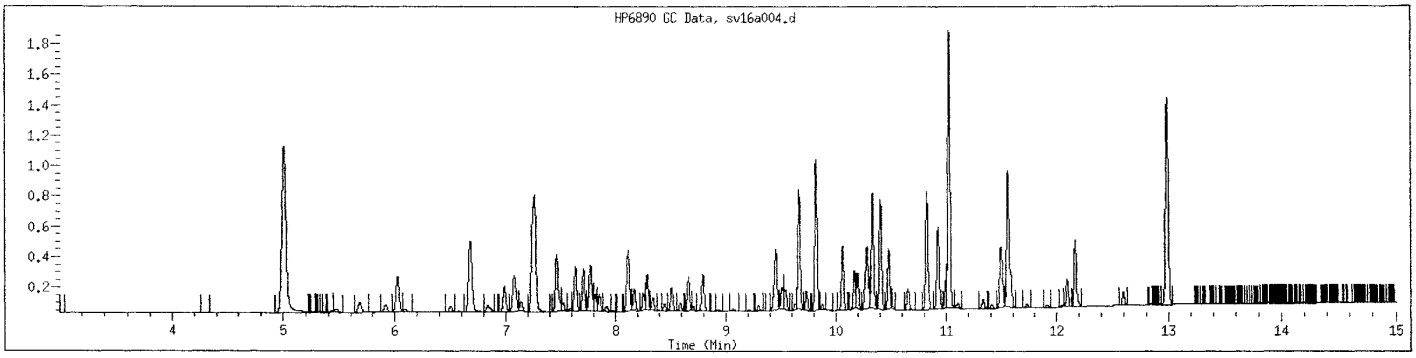
Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/08/2008 13:22	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-22-9		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080608.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

171261

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a016.d
Report Date: 11-Jun-2008 16:03

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 08-JUN-2008 20:13
Lab File ID: sv16a016.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080608.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	1179677	1097562	0.010	6.96077	20.00000	Averaged
24 AR 1016-PEAK1	125806	119636	0.010	4.90454	20.00000	Averaged
25 AR 1016-PEAK2	293856	270130	0.010	8.07412	20.00000	Averaged
26 AR 1016-PEAK3	581677	533792	0.010	8.23221	20.00000	Averaged
27 AR 1016-PEAK4	178337	174004	0.010	2.42975	20.00000	Averaged
28 AR 1016-PEAK5	188992	173832	0.010	8.02153	20.00000	Averaged
M 29 AR 1260-AVG	2135277	1924335	0.010	9.87888	20.00000	Averaged
30 AR 1260-PEAK1	303393	281617	0.010	7.17739	20.00000	Averaged
31 AR 1260-PEAK2	384327	343783	0.010	10.54938	20.00000	Averaged
32 AR 1260-PEAK3	281978	272348	0.010	3.41517	20.00000	Averaged
33 AR 1260-PEAK4	744669	637158	0.010	14.43743	20.00000	Averaged
34 AR 1260-PEAK5	420909	389429	0.010	7.47917	20.00000	Averaged

Average %D / Drift Results.
Calculated Average %D/Drift = 7.63003
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

171262

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a016.d
Report Date: 11-Jun-2008 16:03

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a016.d
Lab Smp Id: 1400
Inj Date : 08-JUN-2008 20:13
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-9
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Meth Date : 11-Jun-2008 16:03 tls Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 16 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

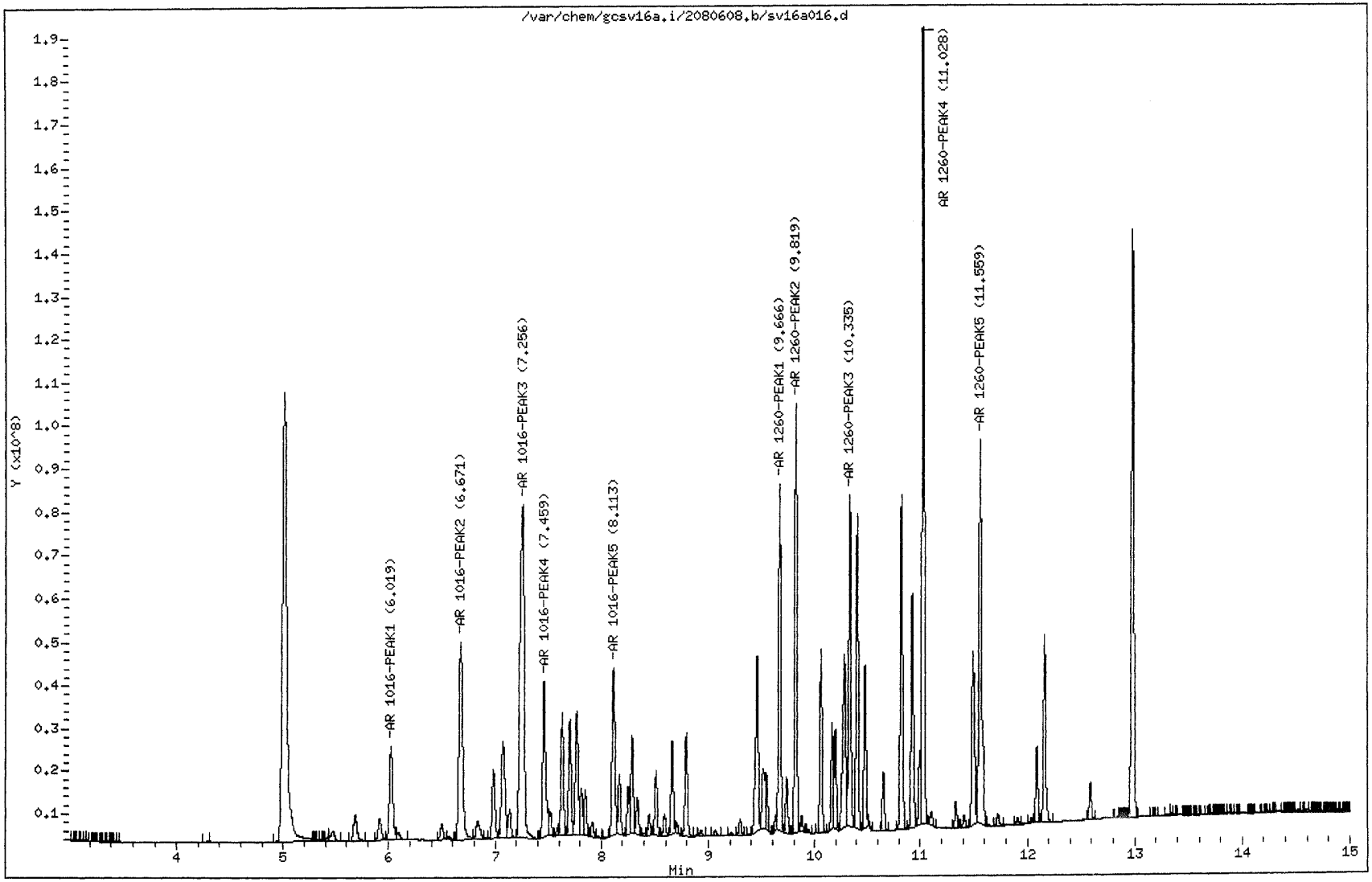
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				439024802	400.000	370
	24 AR 1016-PEAK1	6.019	6.020	-0.001	47854400	400.000	380
	25 AR 1016-PEAK2	6.671	6.675	-0.004	108051902	400.000	370
	26 AR 1016-PEAK3	7.256	7.260	-0.004	213516841	400.000	370
	27 AR 1016-PEAK4	7.459	7.463	-0.004	69601659	400.000	390
	28 AR 1016-PEAK5	8.113	8.116	-0.003	69532826	400.000	370
M	29 AR 1260-AVG				769734121	400.000	360
	30 AR 1260-PEAK1	9.666	9.667	-0.001	112646965	400.000	370
	31 AR 1260-PEAK2	9.819	9.820	-0.001	137513187	400.000	360
	32 AR 1260-PEAK3	10.335	10.336	-0.001	108939178	400.000	390
	33 AR 1260-PEAK4	11.028	11.048	-0.020	254863311	400.000	340
	34 AR 1260-PEAK5	11.559	11.561	-0.002	155771480	400.000	370

171263

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a016.d
Date : 08-JUN-2008 20:13
Client ID:
Sample Info: 1400M1 80-22-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

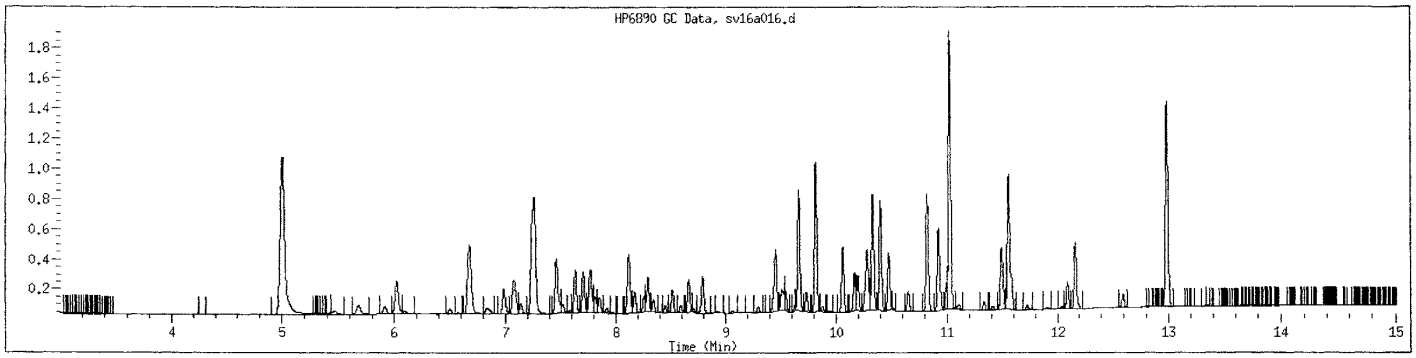
Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/08/2008 20:13	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-22-9		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080608.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

171265

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a004.d
Report Date: 11-Jun-2008 17:41

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 09-JUN-2008 11:23
Lab File ID: sv16a004.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080609.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016 AVG	1179677	1202490	0.010	-1.93388	20.00000	Averaged
24 AR 1016 PEAK1	125806	129701	0.010	-3.09546	20.00000	Averaged
25 AR 1016-PEAK2	293856	294406	0.010	-0.18715	20.00000	Averaged
26 AR 1016-PEAK3	581677	585236	0.010	-0.61181	20.00000	Averaged
27 AR 1016-PEAK4	178337	193148	0.010	-8.30475	20.00000	Averaged
28 AR 1016-PEAK5	188992	195769	0.010	-3.58598	20.00000	Averaged
M 29 AR 1260-AVG	2135277	2164036	0.010	-1.34686	20.00000	Averaged
30 AR 1260-PEAK1	303393	312318	0.010	-2.94184	20.00000	Averaged
31 AR 1260-PEAK2	384327	382256	0.010	0.53888	20.00000	Averaged
32 AR 1260-PEAK3	281978	306237	0.010	-8.60331	20.00000	Averaged
33 AR 1260-PEAK4	744669	720599	0.010	3.23243	20.00000	Averaged
34 AR 1260-PEAK5	420909	442626	0.010	-5.15938	20.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 3.29514
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

171266

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a004.d
Report Date: 11-Jun-2008 17:41

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080609.b/sv16a004.d
Lab Smp Id: 1400
Inj Date : 09-JUN-2008 11:23
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-9
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080609.b/pest35MS.m
Meth Date : 11-Jun-2008 17:41 dlb Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.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

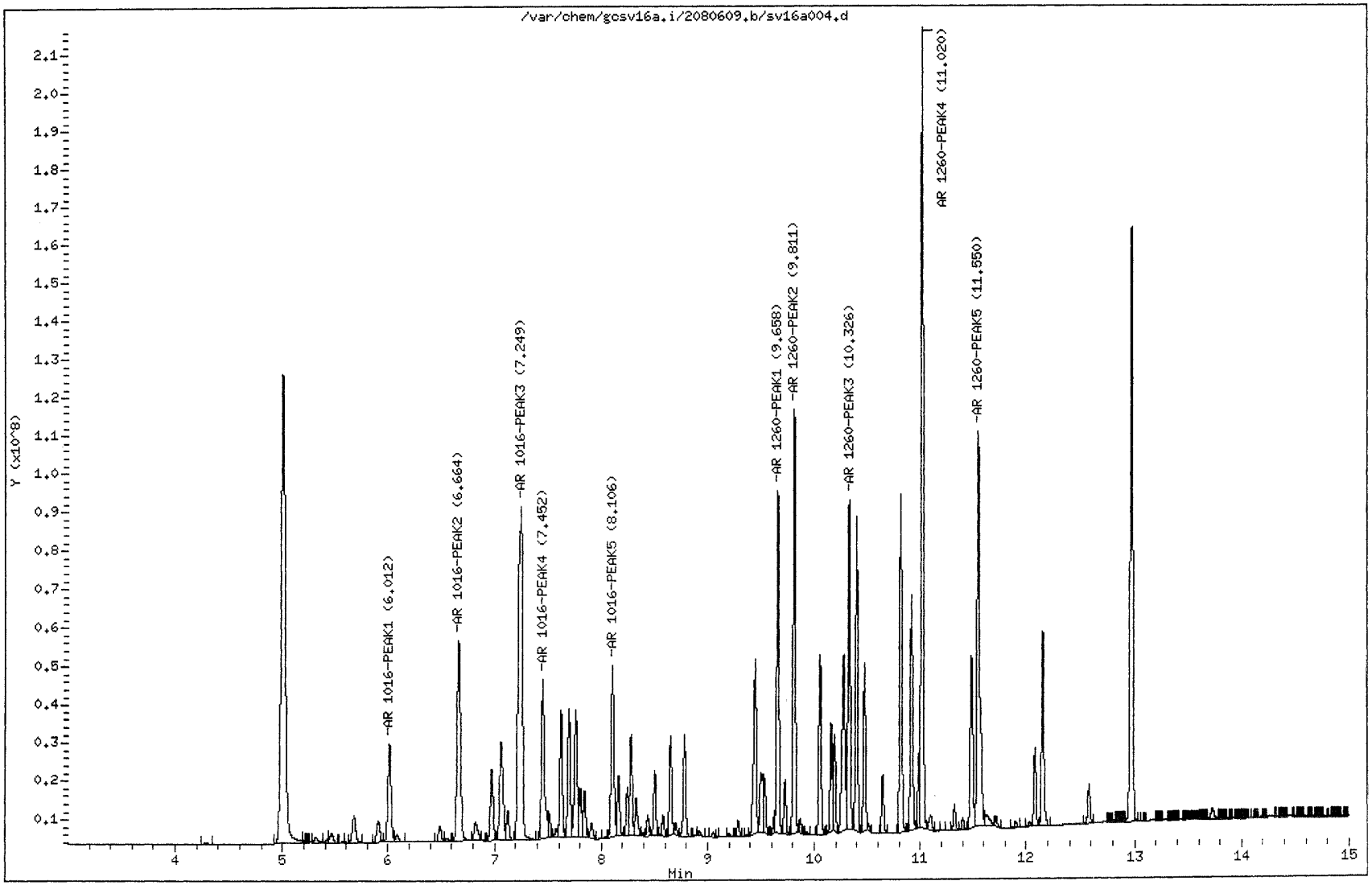
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				480995999	400.000	410
	24 AR 1016-PEAK1	6.012	6.019	-0.007	51880201	400.000	410
	25 AR 1016-PEAK2	6.664	6.674	-0.010	117762401	400.000	400
	26 AR 1016-PEAK3	7.249	7.259	-0.010	234094287	400.000	400
	27 AR 1016-PEAK4	7.452	7.462	-0.010	77259110	400.000	430
	28 AR 1016-PEAK5	8.106	8.115	-0.009	78307742	400.000	410
M	29 AR 1260-AVG				865614384	400.000	410
	30 AR 1260-PEAK1	9.658	9.666	-0.008	124927377	400.000	410
	31 AR 1260-PEAK2	9.811	9.819	-0.008	152902423	400.000	400
	32 AR 1260-PEAK3	10.326	10.335	-0.009	122494973	400.000	430
	33 AR 1260-PEAK4	11.020	11.047	-0.027	288239404	400.000	390
	34 AR 1260-PEAK5	11.550	11.559	-0.009	177050207	400.000	420

171267

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a004.d
Date : 09-JUN-2008 11:23
Client ID:
Sample Info: 1400x1 80-22-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

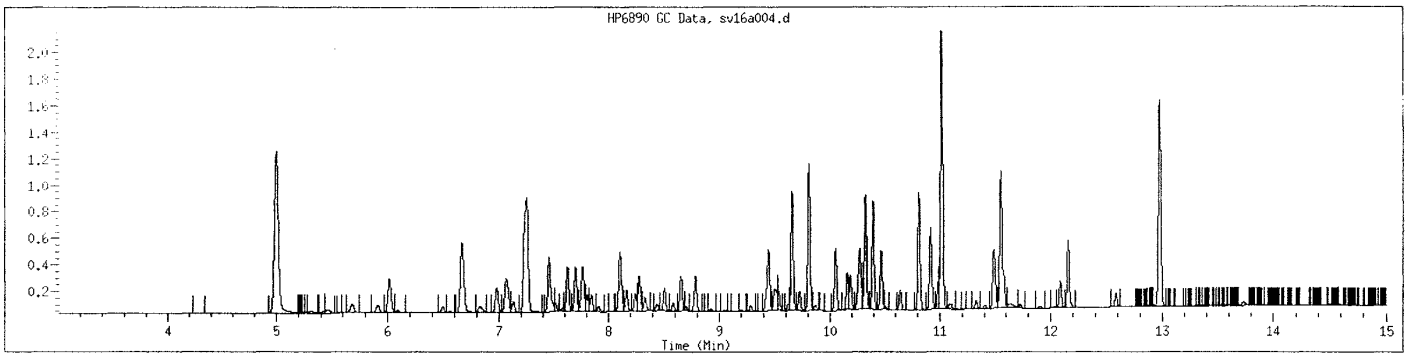
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080609.b/sv16a004.d Page: 1
Report Date: 06/11/2008 17:41

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1400 SampleType : CCALIB_3
Injection Date: 06/09/2008 11:23 Instrument : gcsv16a.i
Operator : tls
Sample Info : 1400*1 80-22-9
Misc Info :
Method : /var/chem/gcsv16a.i/2080609.b/pest35MS.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: aro1260



NO MANUAL INTEGRATIONS

171269

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a010.d
Report Date: 11-Jun-2008 17:41

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 09-JUN-2008 15:42
Lab File ID: sv16a010.d Init. Cal. Date(s): 29-MAY-2008 30-MAY-2008
Analysis Type: WATER Init. Cal. Times: 17:58 00:50
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2080609.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	1179677	1174428	0.010	0.44495	20.00000	Averaged
24 AR 1016-PEAK1	125806	122556	0.010	2.58372	20.00000	Averaged
25 AR 1016-PEAK2	293856	288040	0.010	1.97933	20.00000	Averaged
26 AR 1016-PEAK3	581677	576498	0.010	0.89035	20.00000	Averaged
27 AR 1016-PEAK4	178337	187334	0.010	-5.04485	20.00000	Averaged
28 AR 1016-PEAK5	188992	192669	0.010	-1.94547	20.00000	Averaged
M 29 AR 1260-AVG	2135277	2137220	0.010	-0.09100	20.00000	Averaged
30 AR 1260-PEAK1	303393	306829	0.010	-1.13258	20.00000	Averaged
31 AR 1260-PEAK2	384327	377255	0.010	1.84023	20.00000	Averaged
32 AR 1260-PEAK3	281978	301728	0.010	-7.00416	20.00000	Averaged
33 AR 1260-PEAK4	744669	714279	0.010	4.08105	20.00000	Averaged
34 AR 1260-PEAK5	420909	437129	0.010	-3.85346	20.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 2.57426
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

171270

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a010.d
Report Date: 11-Jun-2008 17:41

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080609.b/sv16a010.d
Lab Smp Id: 1400
Inj Date : 09-JUN-2008 15:42
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 80-22-9
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080609.b/pest35MS.m
Meth Date : 11-Jun-2008 17:41 dlb Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 10 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

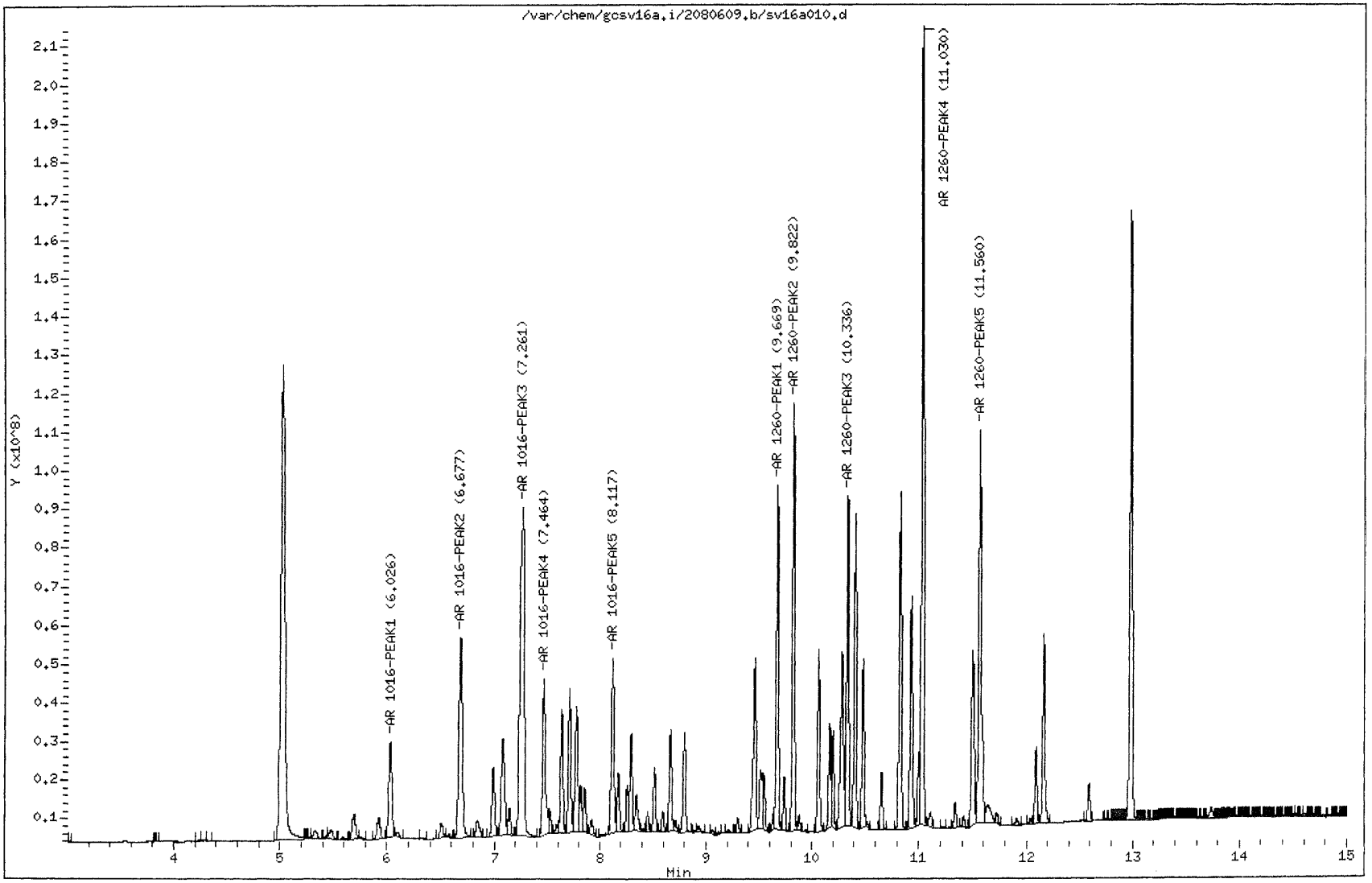
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				469771033	400.000	400
	24 AR 1016-PEAK1	6.026	6.021	0.005	49022297	400.000	390
	25 AR 1016-PEAK2	6.677	6.676	0.001	115215872	400.000	390
	26 AR 1016-PEAK3	7.261	7.261	0.000	230599201	400.000	400
	27 AR 1016-PEAK4	7.464	7.464	0.000	74933663	400.000	420
	28 AR 1016-PEAK5	8.117	8.117	0.000	77067569	400.000	410
M	29 AR 1260-AVG				854887949	400.000	400
	30 AR 1260-PEAK1	9.669	9.668	0.001	122731716	400.000	400
	31 AR 1260-PEAK2	9.822	9.820	0.002	150901832	400.000	390
	32 AR 1260-PEAK3	10.336	10.337	-0.001	120691264	400.000	430
	33 AR 1260-PEAK4	11.030	11.049	-0.019	285711633	400.000	380
	34 AR 1260-PEAK5	11.560	11.561	-0.001	174851504	400.000	420

171271

1260

Data File: /var/chem/gcsv16a.i/2080609.b/sv16a010.d
Date : 09-JUN-2008 15:42
Client ID:
Sample Info: 1400x1 80-22-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

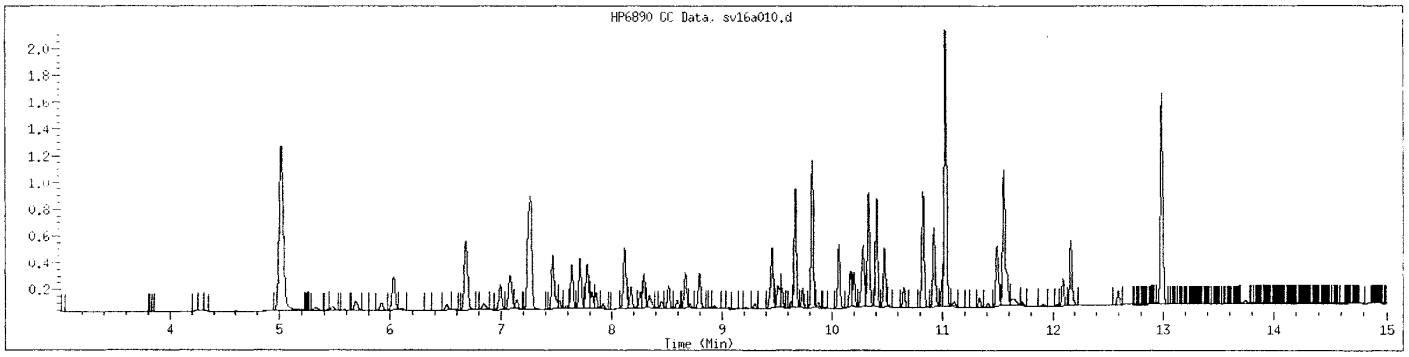
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



171272

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 06/09/2008 15:42	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 1400*1 80-22-9		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080609.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist	: aro1260



NO MANUAL INTEGRATIONS

171273

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: MB611526

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30 | Units: g | Lab Sample ID: 611526

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/07/08 | Time: 1440

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: 375038 | Analytical Batch: 375232 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080606/sv16a028

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/gcsv16a.i/2080606.b/sv16a028.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a028.d
Lab Smp Id: 611526
Inj Date : 07-JUN-2008 14:40
Operator : tls Inst ID: gcsv16a.i
Smp Info : 611523/26*1 mb s
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 28 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

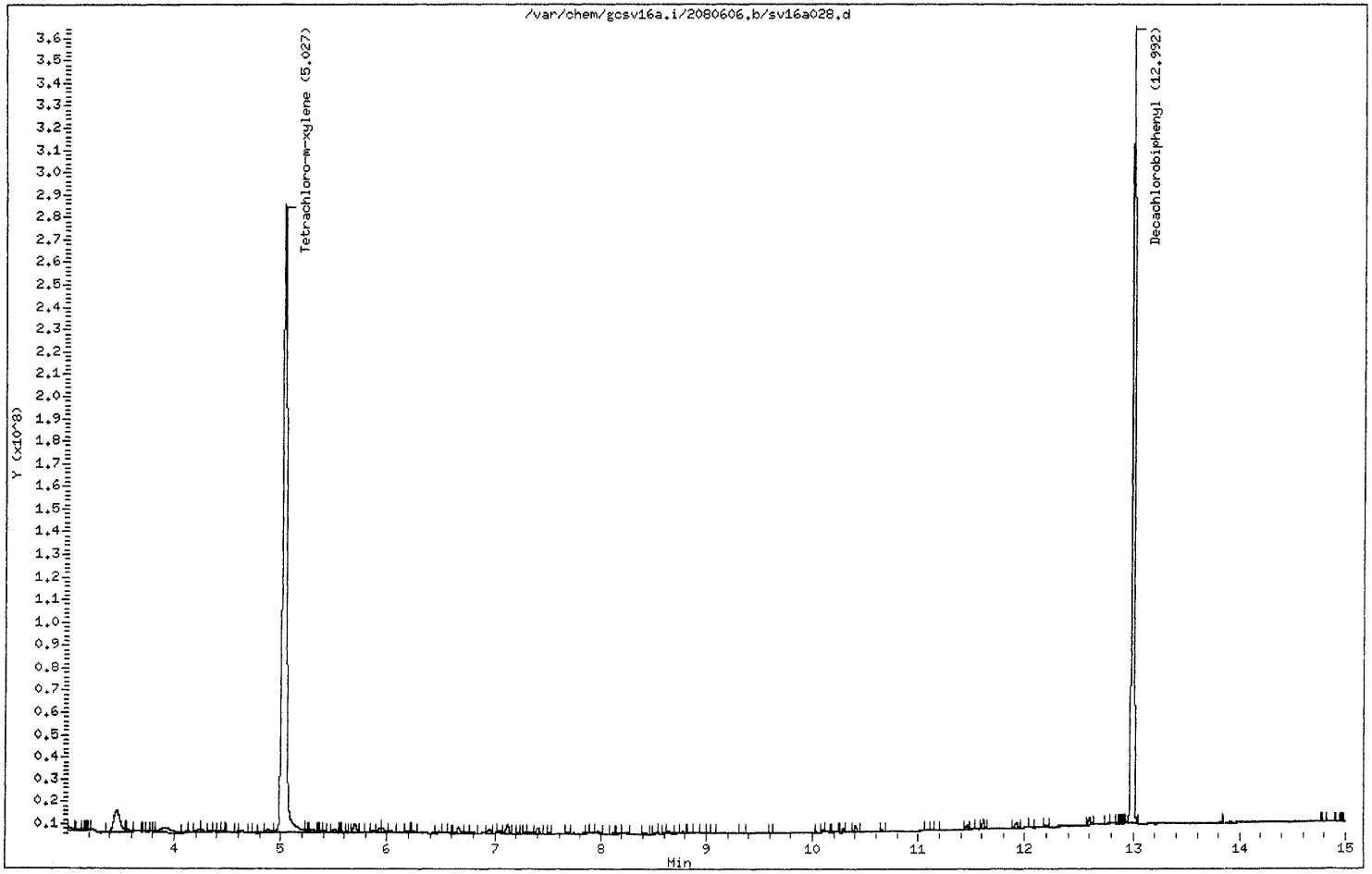
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	5.027	5.017	0.010	732042907	93.4618	16
$ 22 Decachlorobiphenyl	12.992	12.990	0.002	535815071	92.4292	15

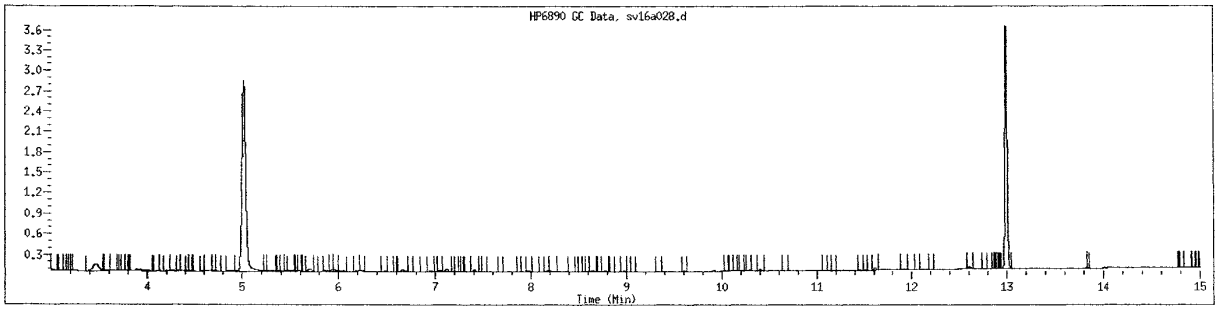
Data File: /var/chem/gcsv16a.i/2080606.b/sv16a028.d
Date : 07-JUN-2008 14:40
Client ID:
Sample Info: 611523/26MS1 mb s
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 611526	SampleType	: BLANK
Injection Date	: 06/07/2008 14:40	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 611523/26*1 mb s		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: Falcon	Compound Sublist	: all



NO MANUAL INTEGRATIONS

171277

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: MB611657

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

Matrix: Water | SAS No.: | SDG No.: 208060522

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 611657

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/08/08 | Time: 1802

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: 375061 | Analytical Batch: 375341 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2080608/sv16a009

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/gcsv16a.i/2080608.b/sv16a009.d
Report Date: 10-Jun-2008 16:14

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a009.d
Lab Smp Id: 611657
Inj Date : 08-JUN-2008 18:02
Operator : tls Inst ID: gcsv16a.i
Smp Info : 611654/57*1 mb w
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Meth Date : 10-Jun-2008 15:57 tls Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 9 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/(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	5.010	5.016	-0.006	578783154	73.8947	0.37
$ 22 Decachlorobiphenyl	12.983	12.989	-0.006	446484884	77.0196	0.39(M2)

QC Flag Legend

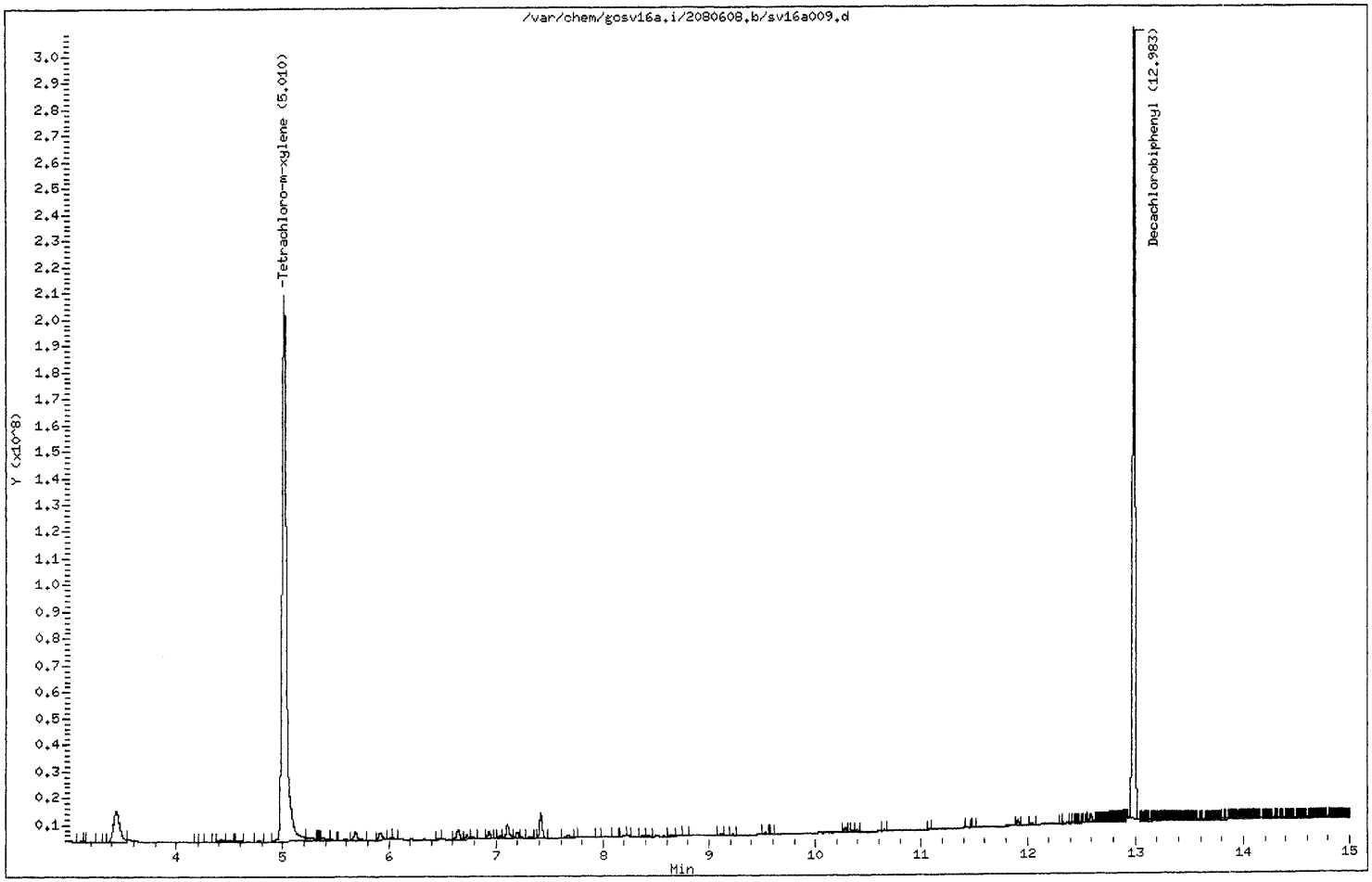
M2- Compound response manually integrated because
Target system integrated incorrectly.

171279

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a009.d
Date : 08-JUN-2008 18:02
Client ID:
Sample Info: 611654/57x1 mb w
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

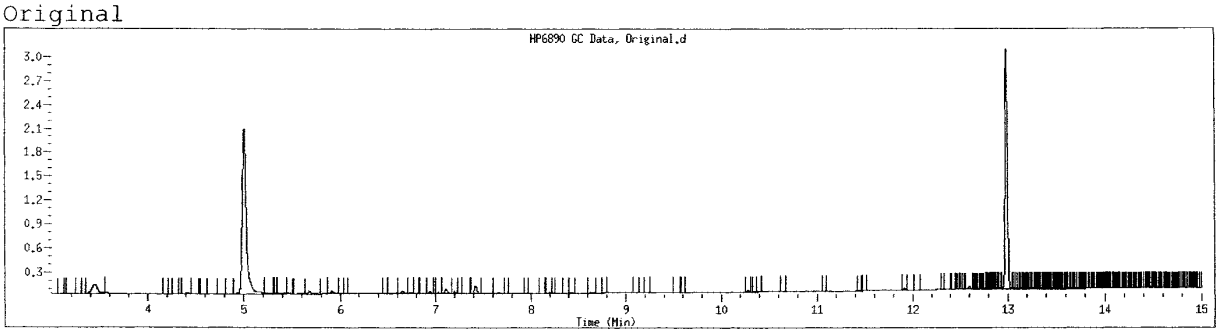


Data file : /var/chem/gcsv16a.i/2080608.b/sv16a009.d Page: 1
Report Date: 06/10/2008 16:14

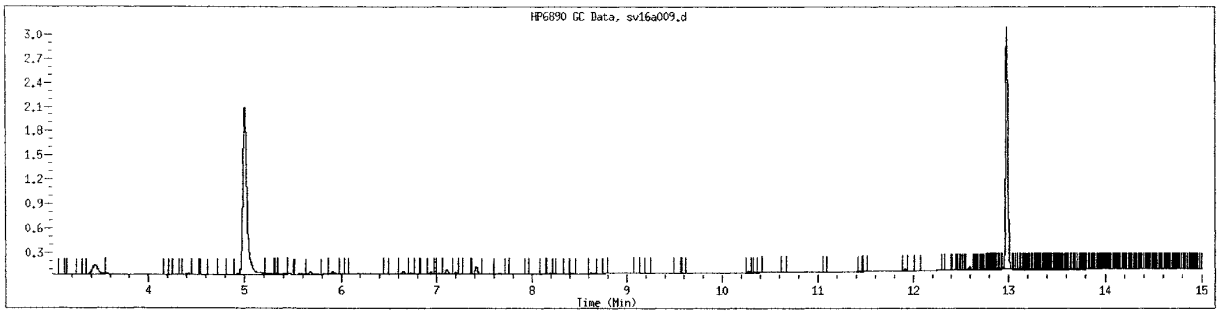
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 611657	SampleType	: BLANK
Injection Date	: 06/08/2008 18:02	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 611654/57*1 mb w		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080608.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: Falcon	Compound Sublist:	all

Original



Final



171281

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: LCS611527

Lab Code: LA024 Case No.:
Contract:

Matrix: Soil
SAS No.: SDG No.: 208060522

Sample wt/vol: 30 Units: g
Lab Sample ID: 611527

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

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

GC Column: RTX-35MS-3 ID: .25 (mm)
Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL)
Date Analyzed: 06/06/08 Time: 1838

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: 375038 Analytical Batch: 375232
Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg*
Lab File ID: 2080606/sv16a019

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.093		0.00153	0.020
11096-82-5	Aroclor-1260	0.100		0.00196	0.020

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a019.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a019.d
Lab Smp Id: 611527
Inj Date : 06-JUN-2008 18:38
Operator : tls Inst ID: gcsv16a.i
Smp Info : 611527*1 lcs
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 19 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

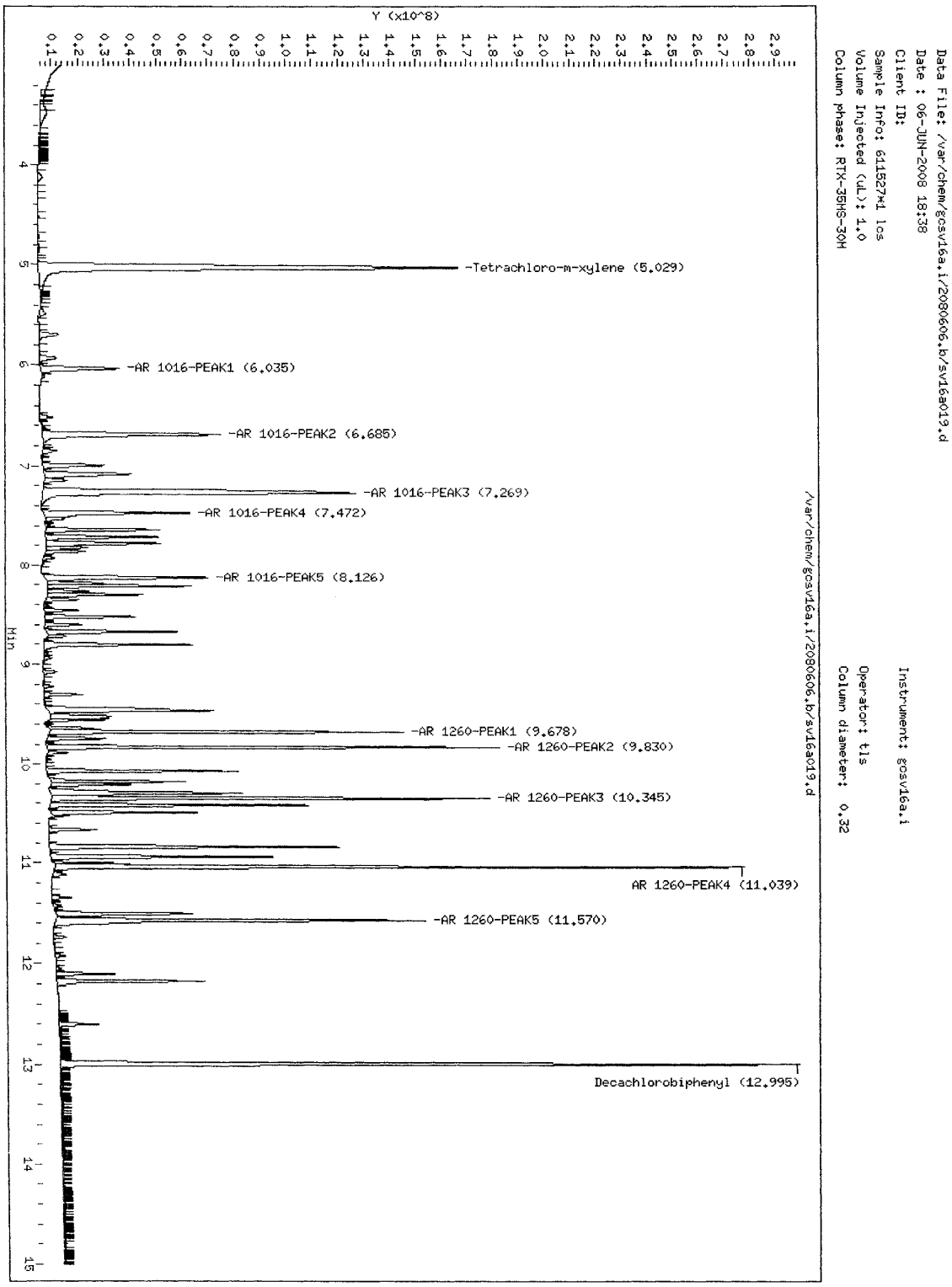
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	5.029	5.017	0.012	480930475	61.4016	10
$	22 Decachlorobiphenyl	12.995	12.990	0.005	433884409	74.8460	12
M	23 AR 1016-AVG				655098145	555.320	93
	24 AR 1016-PEAK1	6.035	6.056	-0.021	61764022	490.946	82
	25 AR 1016-PEAK2	6.685	6.677	0.008	152834755	520.101	87
	26 AR 1016-PEAK3	7.269	7.262	0.007	334305443	574.727	96
	27 AR 1016-PEAK4	7.472	7.465	0.007	106193925	595.467	99
	28 AR 1016-PEAK5	8.126	8.118	0.008	112103277	593.164	99
M	29 AR 1260-AVG				1274375847	596.820	99
	30 AR 1260-PEAK1	9.678	9.700	-0.022	191235406	630.322	110
	31 AR 1260-PEAK2	9.830	9.852	-0.022	237309287	617.467	100
	32 AR 1260-PEAK3	10.345	10.338	0.007	236542033	838.867	140

171283

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a019.d
Report Date: 09-Jun-2008 12:31

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
33 AR 1260-PEAK4	11.039	11.050	-0.011	369473206	496.157	83
34 AR 1260-PEAK5	11.570	11.562	0.008	239815915	569.757	95

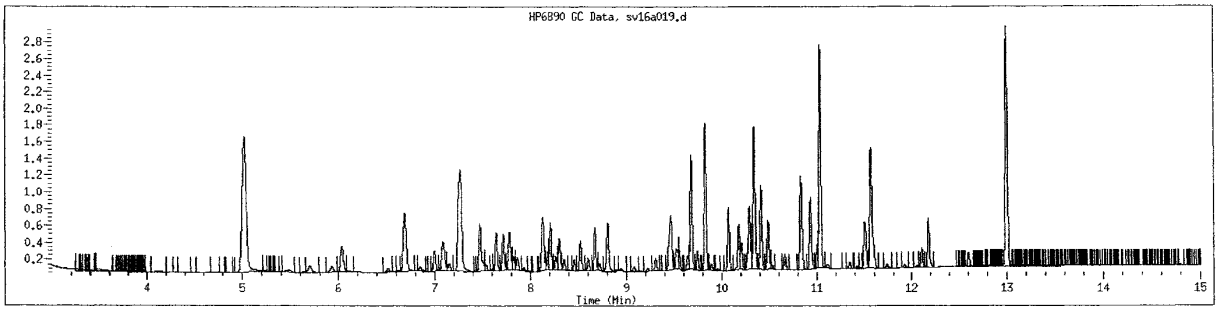
171284


Y (x10^8)
Min
-Tetrachloro-m-xylene (5.029)
-AR 1016-PEAK1 (6.035)
-AR 1016-PEAK2 (6.685)
-AR 1016-PEAK3 (7.269)
-AR 1016-PEAK4 (7.472)
-AR 1016-PEAK5 (8.126)
-AR 1260-PEAK1 (9.678)
-AR 1260-PEAK2 (9.830)
-AR 1260-PEAK3 (10.345)
AR 1260-PEAK4 (11.039)
-AR 1260-PEAK5 (11.570)
Decachlorobiphenyl (12.995)
/var/chem/gcsv16a.i/20080606.b/sv16a019.d
Data File: /var/chem/gcsv16a.i/20080606.b/sv16a019.d
Date : 06-JUN-2008 18:38
Client ID:
Sample Info: 611527W1 lcs
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/2080606.b/sv16a019.d Page: 1
Report Date: 06/09/2008 12:31

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 611527 SampleType : LCS
Injection Date: 06/06/2008 18:38 Instrument : gcsv16a.i
Operator : tls
Sample Info : 611527*1 lcs
Misc Info :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: ar1260s



NO MANUAL INTEGRATIONS

171286

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCS611658

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

Matrix: Water | SAS No.: | SDG No.: 208060522

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 611658

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/08/08 | Time: 1858

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: 375061 | Analytical Batch: 375341 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2080608/sv16a012

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.00306		0.000125	0.000500
11096-82-5	Aroclor-1260	0.00310		0.000120	0.000500

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a012.d
Report Date: 10-Jun-2008 16:14

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a012.d
Lab Smp Id: 611658
Inj Date : 08-JUN-2008 18:58
Operator : tls Inst ID: gcsv16a.i
Smp Info : 611658*1 lcs
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Meth Date : 10-Jun-2008 15:57 tls Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 12 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

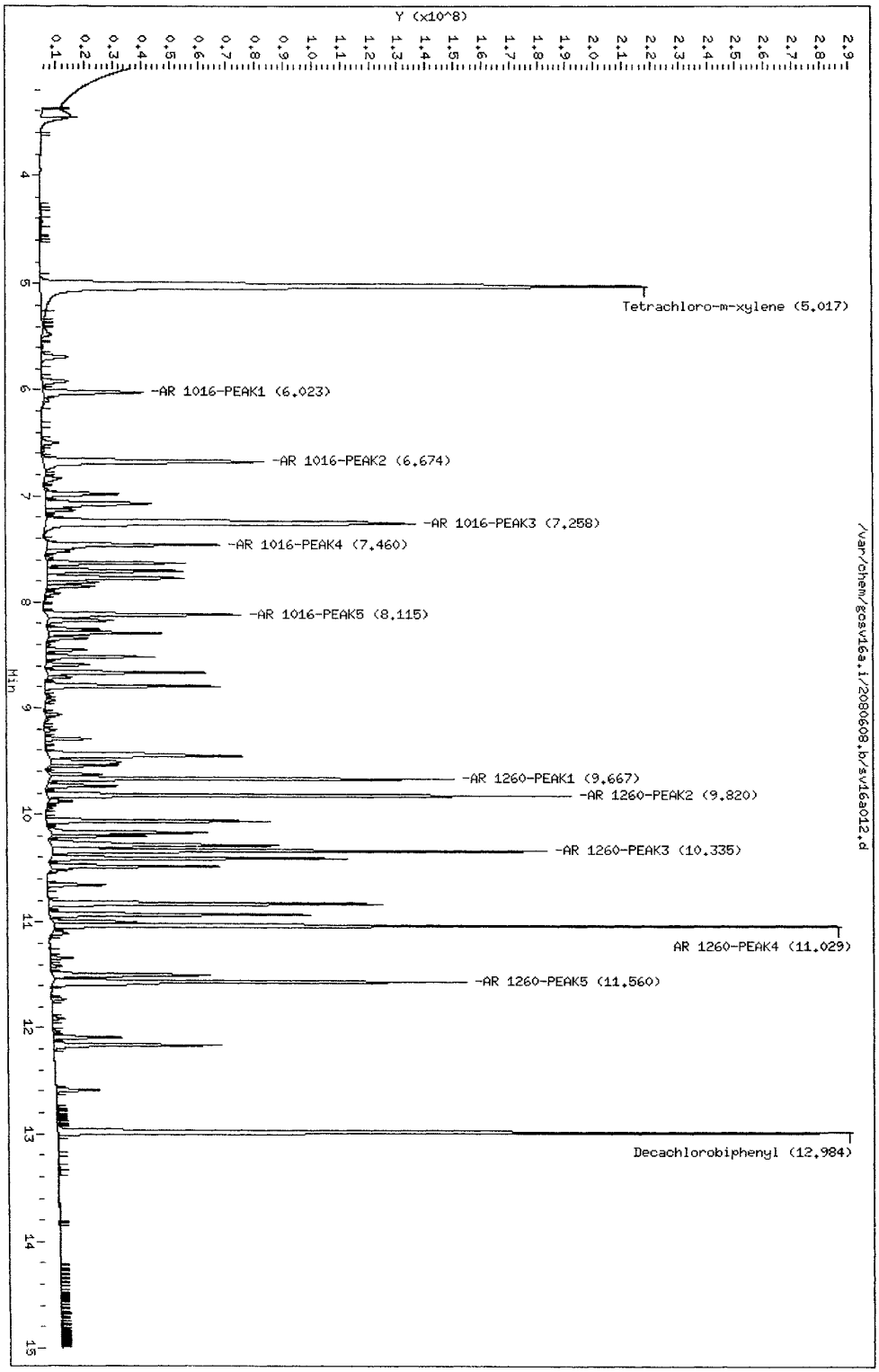
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
$	1 Tetrachloro-m-xylene	5.017	5.016	0.001	629500874	80.3700	0.40
$	22 Decachlorobiphenyl	12.984	12.989	-0.005	425998148	73.4856	0.37
M	23 AR 1016-AVG				722752547	612.670	3.1
	24 AR 1016-PEAK1	6.023	6.020	0.003	72760932	578.357	2.9
	25 AR 1016-PEAK2	6.674	6.675	-0.001	180269598	613.462	3.1
	26 AR 1016-PEAK3	7.258	7.260	-0.002	358252291	615.896	3.1
	27 AR 1016-PEAK4	7.460	7.462	-0.002	111469726	625.050	3.1
	28 AR 1016-PEAK5	8.115	8.116	-0.001	121477218	642.763	3.2
M	29 AR 1260-AVG				1324077831	620.097	3.1
	30 AR 1260-PEAK1	9.667	9.666	0.001	201445418	663.975	3.3
	31 AR 1260-PEAK2	9.820	9.819	0.001	248934820	647.872	3.2
	32 AR 1260-PEAK3	10.335	10.336	-0.001	247936016	879.168	4.4
	33 AR 1260-PEAK4	11.029	11.048	-0.019	382279725	513.355	2.6

171288

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a012.d
Report Date: 10-Jun-2008 16:14

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
34 AR 1260-PEAK5	11.560	11.560	0.000	243451852	578.395	2.9

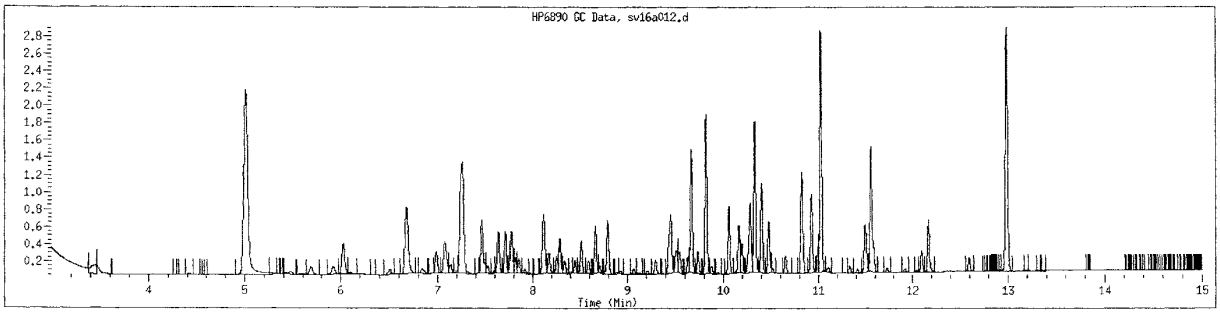
171289


Data File: /var/chem/gcsv16a.i/20080608.b/sv16a012.d
Date : 08-JUN-2008 18:58
Client ID:
Sample Info: 611658x1 lcs
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/20080608.b/sv16a012.d
Tetrachloro-m-xylene (5.017)
-AR 1016-PEAK1 (6.023)
-AR 1016-PEAK2 (6.674)
-AR 1016-PEAK3 (7.258)
-AR 1016-PEAK4 (7.460)
-AR 1016-PEAK5 (8.115)
-AR 1260-PEAK1 (9.667)
-AR 1260-PEAK2 (9.820)
-AR 1260-PEAK3 (10.335)
AR 1260-PEAK4 (11.029)
-AR 1260-PEAK5 (11.560)
Decachlorobiphenyl (12.984)

171290

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 611658 SampleType : LCS
Injection Date: 06/08/2008 18:58 Instrument : gcsv16a.i
Operator : tls
Sample Info : 611658*1 lcs
Misc Info :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: ar1260s



NO MANUAL INTEGRATIONS

171291

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCSD611528

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30 | Units: g | Lab Sample ID: 611528

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/06/08 | Time: 1856

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: 375038 | Analytical Batch: 375232 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080606/sv16a020

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.096		0.00153	0.020
11096-82-5	Aroclor-1260	0.099		0.00196	0.020

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a020.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a020.d
Lab Smp Id: 611528
Inj Date : 06-JUN-2008 18:56
Operator : tls Inst ID: gcsv16a.i
Smp Info : 611528*1 lcsd
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 20 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

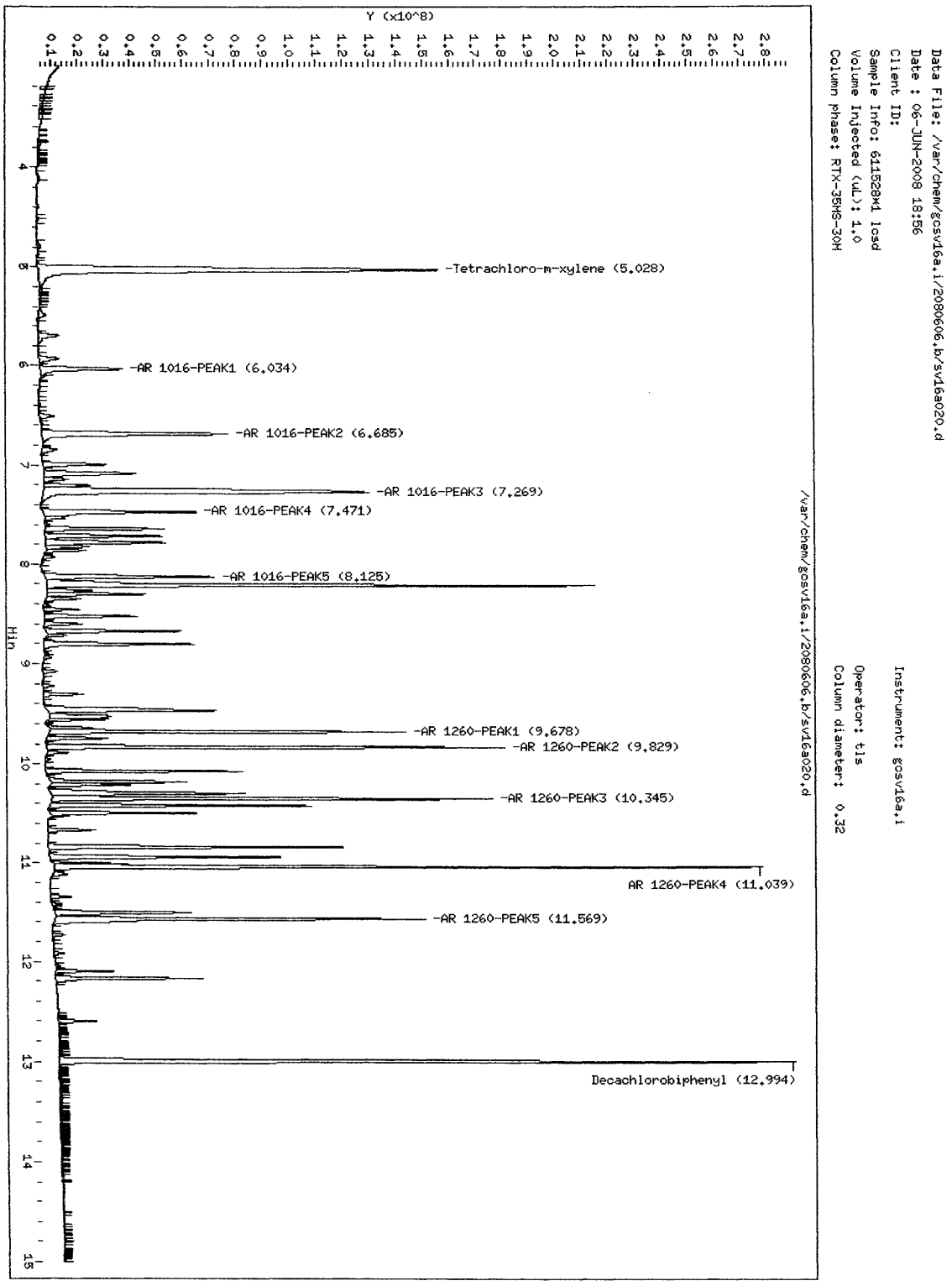
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	5.028	5.017	0.011	451453314	57.6382	9.6
$	22 Decachlorobiphenyl	12.994	12.990	0.004	425072187	73.3258	12
M	23 AR 1016-AVG				680065097	576.484	96
	24 AR 1016-PEAK1	6.034	6.056	-0.022	68557872	544.948	91
	25 AR 1016-PEAK2	6.685	6.677	0.008	160770833	547.107	91
	26 AR 1016-PEAK3	7.269	7.262	0.007	341512300	587.117	98
	27 AR 1016-PEAK4	7.471	7.465	0.006	109224092	612.458	100
	28 AR 1016-PEAK5	8.125	8.118	0.007	115541851	611.358	100
M	29 AR 1260-AVG				1271727152	595.580	99
	30 AR 1260-PEAK1	9.678	9.700	-0.022	192537040	634.612	110
	31 AR 1260-PEAK2	9.829	9.852	-0.023	237817386	618.789	100
	32 AR 1260-PEAK3	10.345	10.338	0.007	236841223	839.928	140

171293

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a020.d
Report Date: 09-Jun-2008 12:31

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
33 AR 1260-PEAK4	11.039	11.050	-0.011	367274401	493.205	82
34 AR 1260-PEAK5	11.569	11.562	0.007	237257102	563.678	94

171294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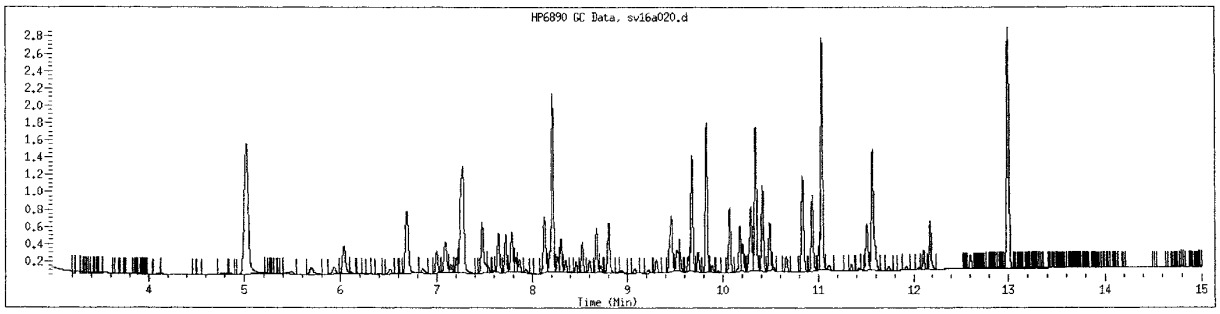
Date : 06-JUN-2008 18:56
Client ID:
Sample Info: 611528m1 lcsd
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
Hin
/var/chem/gcsv16a.i/2080606.b/sv16a020.d
-Tetrachloro-m-xylene (5.028)
-AR 1016-PEAK1 (6.034)
-AR 1016-PEAK2 (6.685)
-AR 1016-PEAK3 (7.269)
-AR 1016-PEAK4 (7.471)
-AR 1016-PEAK5 (8.125)
-AR 1260-PEAK1 (9.678)
-AR 1260-PEAK2 (9.829)
-AR 1260-PEAK3 (10.345)
AR 1260-PEAK4 (11.039)
-AR 1260-PEAK5 (11.569)
Decachlorobiphenyl (12.994)

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a020.d Page: 1
Report Date: 06/09/2008 12:31

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 611528 SampleType : LCSD
Injection Date: 06/06/2008 18:56 Instrument : gcsv16a.i
Operator : tls
Sample Info : 611528*1 lcsd
Misc Info :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Dilution : 1.0
Matrix : SOIL
Integrator : Falcon Compound Sublist: ar1260s



NO MANUAL INTEGRATIONS

171296

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: LCSD611659

Lab Code: LA024 Case No.:
Contract:

Matrix: Water
SAS No.: SDG No.: 208060522

Sample wt/vol: 1000 Units: mL
Lab Sample ID: 611659

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

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

GC Column: RTX-35MS-3 ID: .25 (mm)
Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL)
Date Analyzed: 06/08/08 Time: 1917

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: 375061 Analytical Batch: 375341
Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L*
Lab File ID: 2080608/sv16a013

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.00326		0.000125	0.000500
11096-82-5	Aroclor-1260	0.00337		0.000120	0.000500

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a013.d
Report Date: 10-Jun-2008 16:14

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080608.b/sv16a013.d
Lab Smp Id: 611659
Inj Date : 08-JUN-2008 19:17
Operator : tls Inst ID: gcsv16a.i
Smp Info : 611659*1 lcsd
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Meth Date : 10-Jun-2008 15:57 tls Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 13 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)

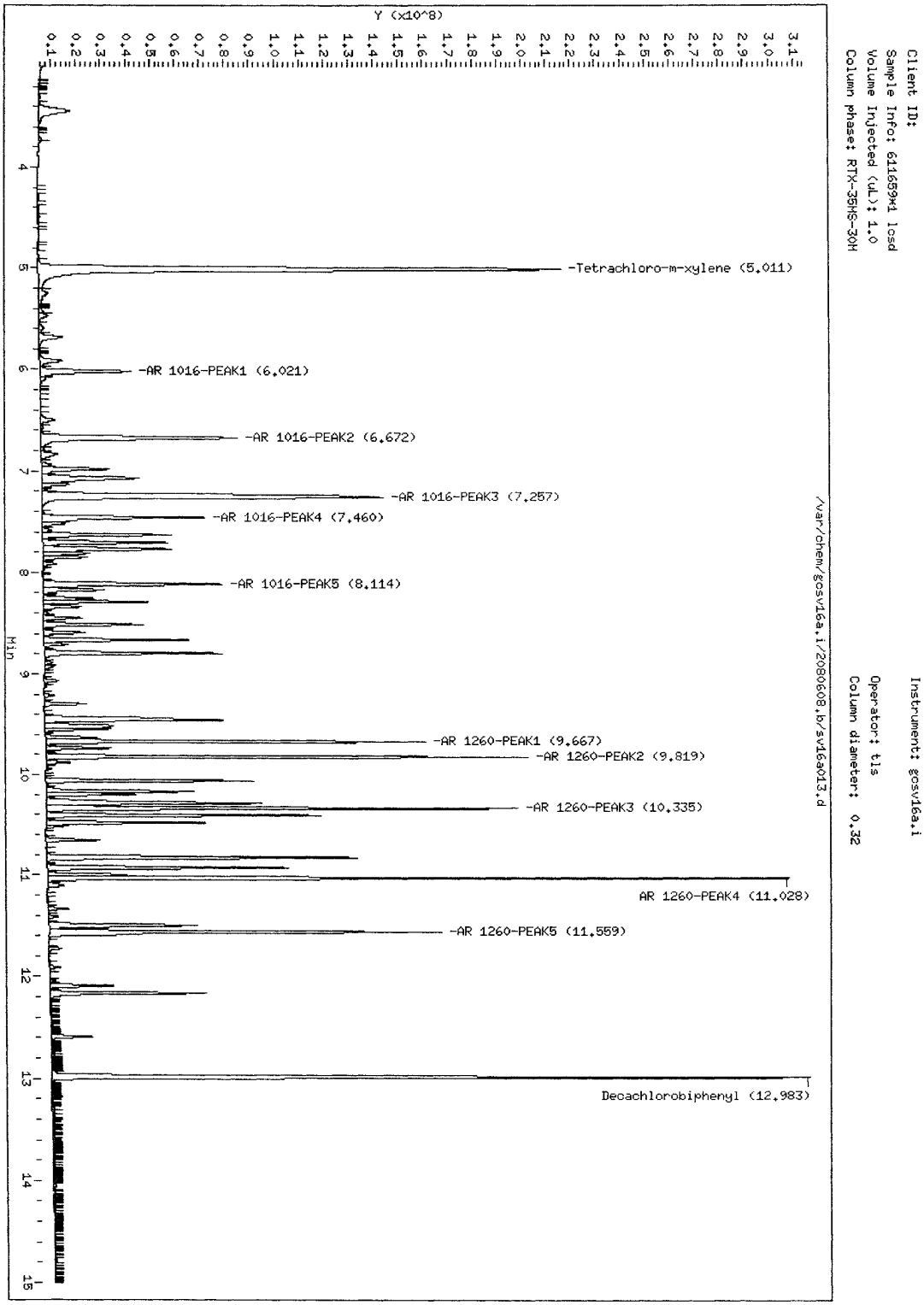
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
$	1 Tetrachloro-m-xylene	5.011	5.016	-0.005	585339680	74.7318	0.37
$	22 Decachlorobiphenyl	12.983	12.989	-0.006	461937410	79.6852	0.40
M	23 AR 1016-AVG				768878644	651.771	3.3
	24 AR 1016-PEAK1	6.021	6.020	0.001	79464832	631.645	3.2
	25 AR 1016-PEAK2	6.672	6.675	-0.003	190781599	649.235	3.2
	26 AR 1016-PEAK3	7.257	7.260	-0.003	375608943	645.735	3.2
	27 AR 1016-PEAK4	7.460	7.462	-0.002	123023270	689.835	3.4
	28 AR 1016-PEAK5	8.114	8.116	-0.002	130144885	688.626	3.4
M	29 AR 1260-AVG				1438490272	673.679	3.4
	30 AR 1260-PEAK1	9.667	9.666	0.001	216506926	713.618	3.6
	31 AR 1260-PEAK2	9.819	9.819	0.000	267331348	695.583	3.5
	32 AR 1260-PEAK3	10.335	10.336	-0.001	271655100	963.391	4.8
	33 AR 1260-PEAK4	11.028	11.048	-0.020	417525367	560.686	2.8

Data File: /var/chem/gcsv16a.i/2080608.b/sv16a013.d
Report Date: 10-Jun-2008 16:14

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
34 AR 1260-PEAK5	11.559	11.560	-0.001	265471531	630.710	3.2

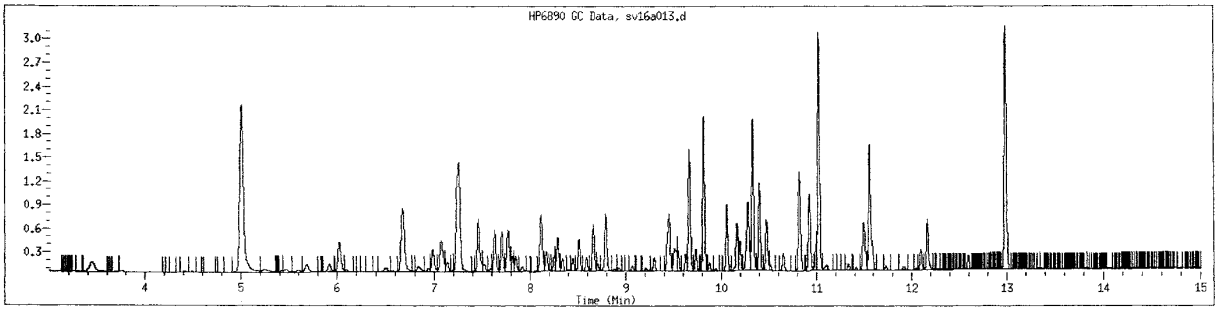
171299


Data File: /var/chem/gcsv16a.i/20080608.b/sv16a013.d
Date : 08-JUN-2008 19:17
Client ID:
Sample Info: 611659m1 lcsd
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 (5.011)
-AR 1016-PEAK1 (6.021)
-AR 1016-PEAK2 (6.672)
-AR 1016-PEAK3 (7.257)
-AR 1016-PEAK4 (7.460)
-AR 1016-PEAK5 (8.114)
-AR 1260-PEAK1 (9.667)
-AR 1260-PEAK2 (9.819)
-AR 1260-PEAK3 (10.335)
AR 1260-PEAK4 (11.028)
-AR 1260-PEAK5 (11.559)
Decachlorobiphenyl (12.983)
/var/chem/gcsv16a.i/20080608.b/sv16a013.d

171300

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 611659 SampleType : LCSD
Injection Date: 06/08/2008 19:17 Instrument : gcsv16a.i
Operator : tls
Sample Info : 611659*1 lcsd
Misc Info :
Method : /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Dilution : 1.0
Matrix : WATER
Integrator : Falcon Compound Sublist: ar1260s



NO MANUAL INTEGRATIONS

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED3 MS

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30 | Units: g | Lab Sample ID: 20806052206

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 1200

% Moisture: 14.2 | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/07/08 | Time: 1542

Soil Aliquot Volume: (µL) | Dilution Factor: 10 | Analyst: TLS

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

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 375038 | Analytical Batch: 375232 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080606/sv16a031

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.111	J	0.018	0.233
11104-28-2	Aroclor-1221	0.233	U	0.055	0.233
11141-16-5	Aroclor-1232	0.233	U	0.055	0.233
53469-21-9	Aroclor-1242	0.233	U	0.064	0.233
12672-29-6	Aroclor-1248	0.233	U	0.035	0.233
11097-69-1	Aroclor-1254	0.233	U	0.055	0.233
11096-82-5	Aroclor-1260	0.121	J	0.023	0.233

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a031.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a031.d
Lab Smp Id: 20806052206
Inj Date : 07-JUN-2008 15:42
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052206*10ms
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 31 QC Sample: MS
Dil Factor: 10.00000
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	10.00000	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	5.016	5.017	-0.001	68221685	8.71004	15
$	22 Decachlorobiphenyl	12.989	12.990	-0.001	69320648	11.9580	20
M	23 AR 1016-AVG				67612136	57.3141	96
	24 AR 1016-PEAK1	6.031	6.055	-0.024	14398475	114.450	190(M2)
	25 AR 1016-PEAK2	6.677	6.676	0.001	12852069	43.7359	73(M2)
	26 AR 1016-PEAK3	7.262	7.261	0.001	33867305	58.2236	97
	27 AR 1016-PEAK4	7.466	7.463	0.003	6494287	36.4158	61(M2)
	28 AR 1016-PEAK5	8.120	8.117	0.003	9526891	50.4089	84(M2)
M	29 AR 1260-AVG				133735265	62.6313	100
	30 AR 1260-PEAK1	9.672	9.698	-0.026	20962321	69.0929	120(M2)
	31 AR 1260-PEAK2	9.825	9.851	-0.026	27282457	70.9876	120(M2)
	32 AR 1260-PEAK3	10.340	10.337	0.003	30314176	107.505	180(M2)

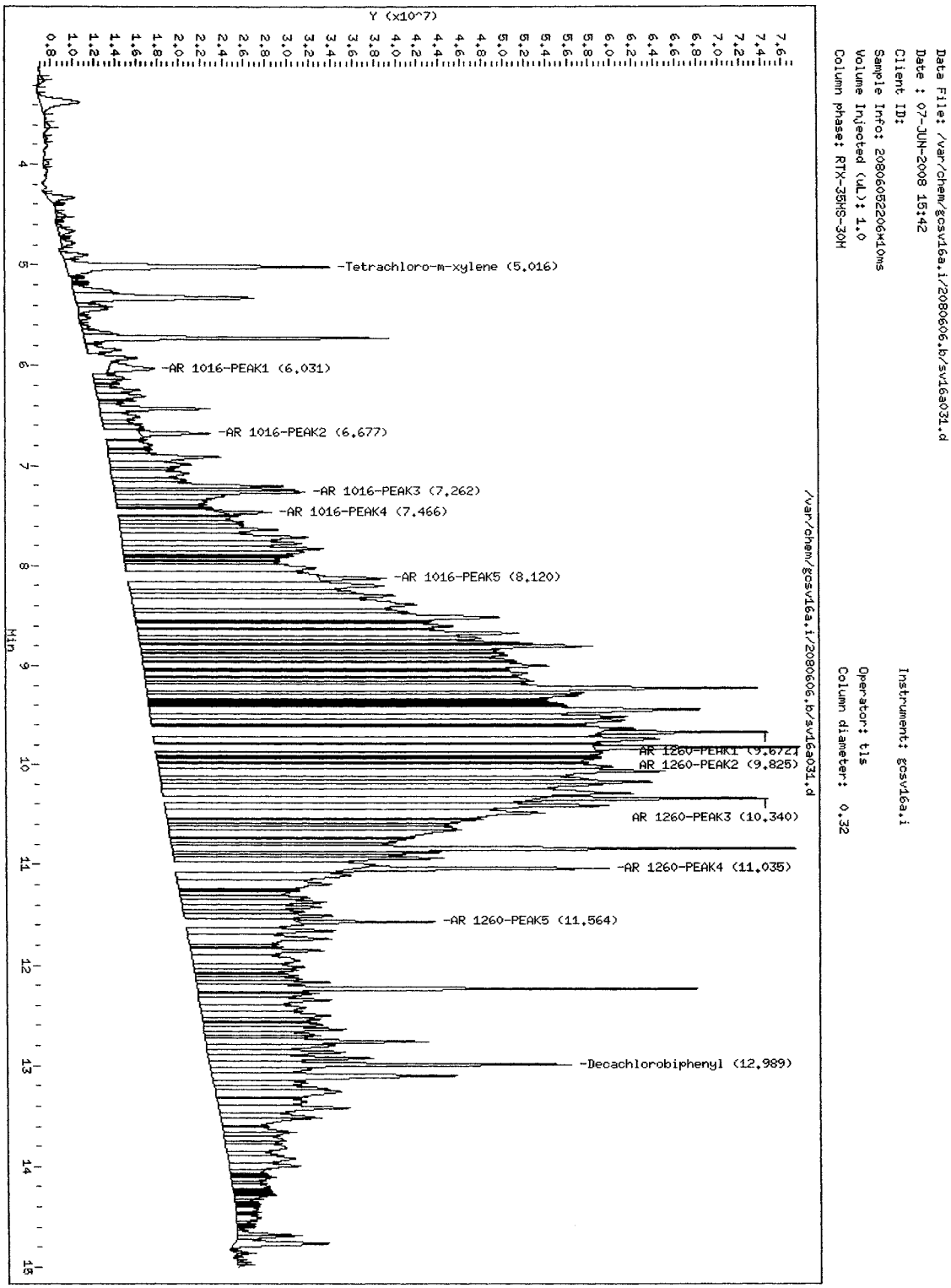
Data File: /var/chem/gcsv16a.i/2080606.b/sv16a031.d
Report Date: 09-Jun-2008 12:31

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
33 AR 1260-PEAK4	11.035	11.049	-0.014	38528566	51.7392	86(M2)
34 AR 1260-PEAK5	11.564	11.561	0.003	16647745	39.5519	66(M2)

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.

171304

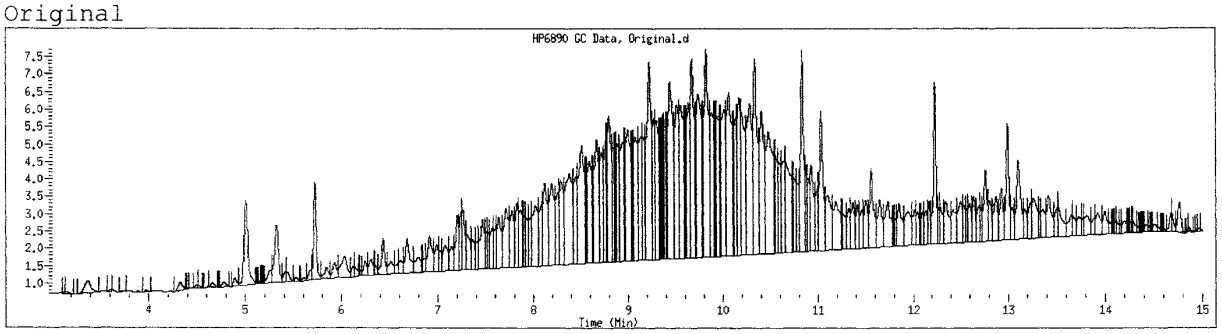

Data File: /var/chem/gcsv16a.i/20080606.b/sv16a031.d
Date : 07-JUN-2008 15:42
Client ID:
Sample Info: 20806052206x10ms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
Y (x10^7)
Min
/var/chem/gcsv16a.i/20080606.b/sv16a031.d
-Tetrachloro-m-xylene (5.016)
-AR 1016-PEAK1 (6.031)
-AR 1016-PEAK2 (6.677)
-AR 1016-PEAK3 (7.262)
-AR 1016-PEAK4 (7.466)
-AR 1016-PEAK5 (8.120)
AR 1260-PEAK1 (9.672)
AR 1260-PEAK2 (9.825)
AR 1260-PEAK3 (10.340)
-AR 1260-PEAK4 (11.035)
-AR 1260-PEAK5 (11.564)
-Decachlorobiphenyl (12.989)

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a031.d Page: 1
Report Date: 06/09/2008 12:31

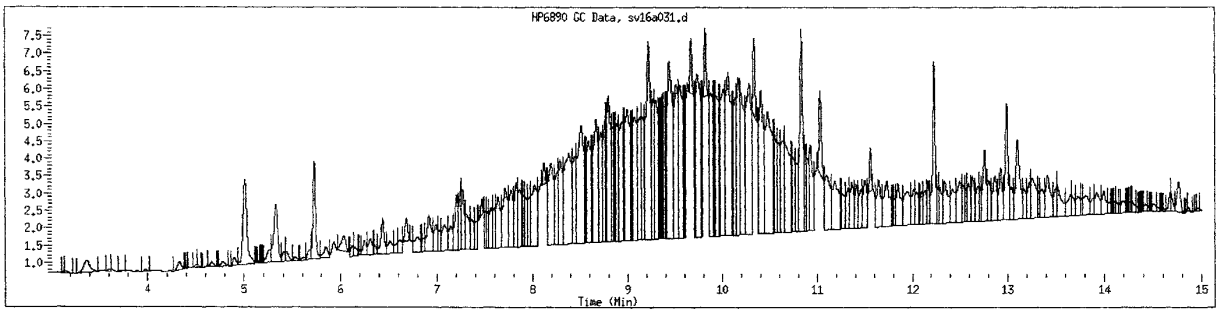
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20806052206	SampleType	: MS
Injection Date	: 06/07/2008 15:42	Instrument	: gcsv16a.i
Operator	: tls		
Sample Info	: 20806052206*10ms		
Misc Info	:		
Method	: /var/chem/gcsv16a.i/2080606.b/pest35MS.m		
Dilution	: 10		
Matrix	: SOIL		
Integrator	: Falcon	Compound Sublist:	pcb

Original



Final



1234

171306

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED3 MSD

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

Matrix: Soil | SAS No.: | SDG No.: 208060522

Sample wt/vol: 30 | Units: g | Lab Sample ID: 20806052207

Level: (low/med) LOW | Date Collected: 06/04/08 | Time: 1200

% Moisture: 14.2 | decanted: (Y/N) | Date Received: 06/05/08

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 06/05/08

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 06/07/08 | Time: 1601

Soil Aliquot Volume: (µL) | Dilution Factor: 10 | Analyst: TLS

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

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 375038 | Analytical Batch: 375232 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2080606/sv16a032

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.119	J	0.018	0.233
11104-28-2	Aroclor-1221	0.233	U	0.055	0.233
11141-16-5	Aroclor-1232	0.233	U	0.055	0.233
53469-21-9	Aroclor-1242	0.233	U	0.064	0.233
12672-29-6	Aroclor-1248	0.233	U	0.035	0.233
11097-69-1	Aroclor-1254	0.233	U	0.055	0.233
11096-82-5	Aroclor-1260	0.158	J	0.023	0.233

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a032.d
Report Date: 09-Jun-2008 12:31

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2080606.b/sv16a032.d
Lab Smp Id: 20806052207
Inj Date : 07-JUN-2008 16:01
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20806052207*10ms
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Meth Date : 09-Jun-2008 12:31 root Quant Type: ESTD
Cal Date : 30-MAY-2008 00:50 Cal File: sv16a025.d
Als bottle: 32 QC Sample: MSD
Dil Factor: 10.00000
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	10.00000	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	5.016	5.017	-0.001	53665438	6.85160	11
$	22 Decachlorobiphenyl	12.988	12.990	-0.002	61252223	10.5661	18
M	23 AR 1016-AVG				71891224	60.9415	100
	24 AR 1016-PEAK1	6.025	6.055	-0.030	8409145	66.8420	110
	25 AR 1016-PEAK2	6.677	6.676	0.001	16563872	56.3673	94
	26 AR 1016-PEAK3	7.262	7.261	0.001	34562284	59.4183	99
	27 AR 1016-PEAK4	7.465	7.463	0.002	12355923	69.2840	120
	28 AR 1016-PEAK5	8.120	8.117	0.003	13620510	72.0692	120
M	29 AR 1260-AVG				174872841	81.8970	140
	30 AR 1260-PEAK1	9.671	9.698	-0.027	25385037	83.6704	140
	31 AR 1260-PEAK2	9.824	9.851	-0.027	33424287	86.9683	140
	32 AR 1260-PEAK3	10.340	10.337	0.003	43137899	152.983	250

171308

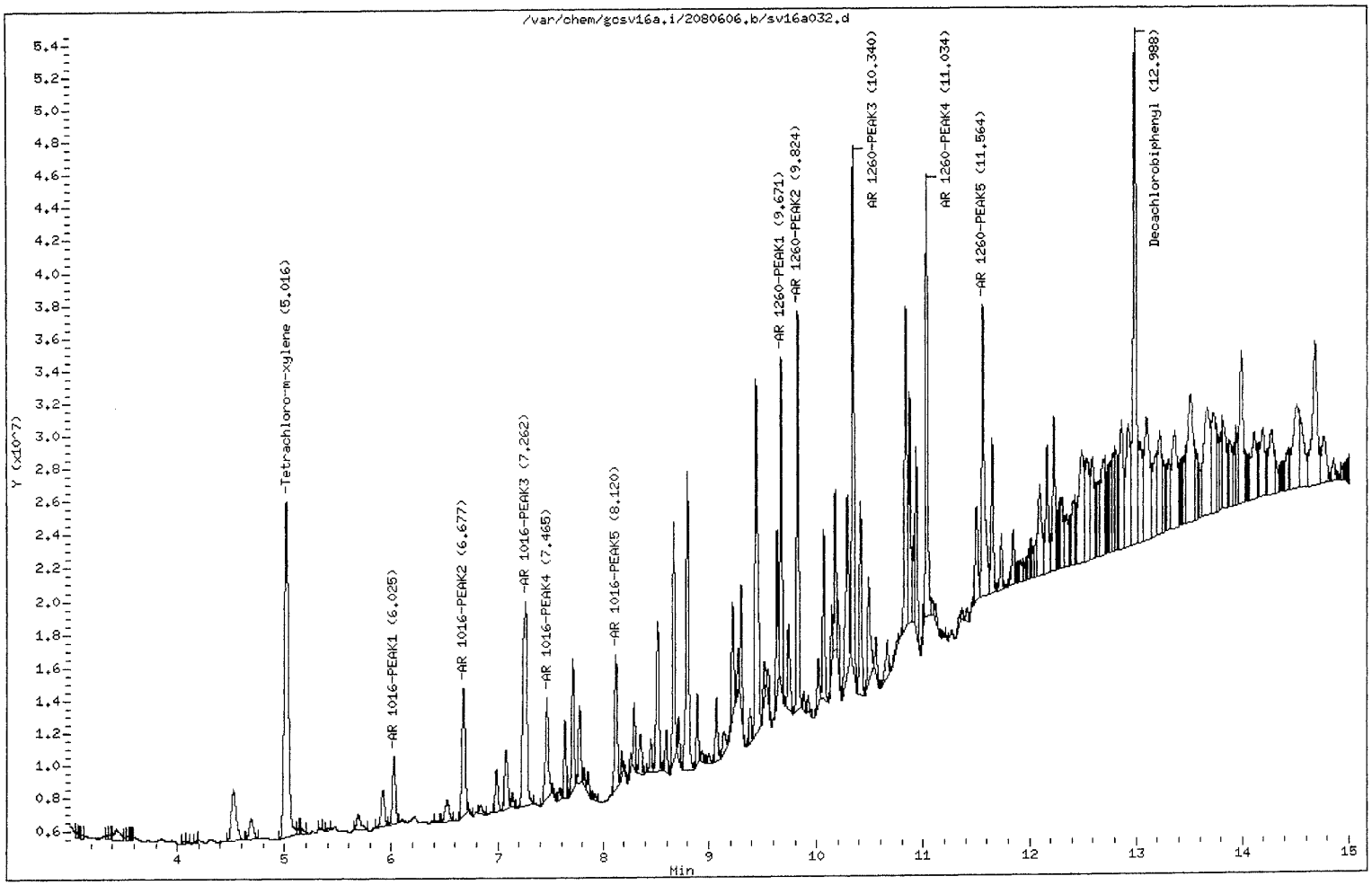
Data File: /var/chem/gcsv16a.i/2080606.b/sv16a032.d
Report Date: 09-Jun-2008 12:31

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
33 AR 1260-PEAK4	11.034	11.049	-0.015	38333963	51.4778	86
34 AR 1260-PEAK5	11.564	11.561	0.003	34591655	82.1832	140

Data File: /var/chem/gcsv16a.i/2080606.b/sv16a032.d
Date : 07-JUN-2008 16:01
Client ID:
Sample Info: 20806052207*10ms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

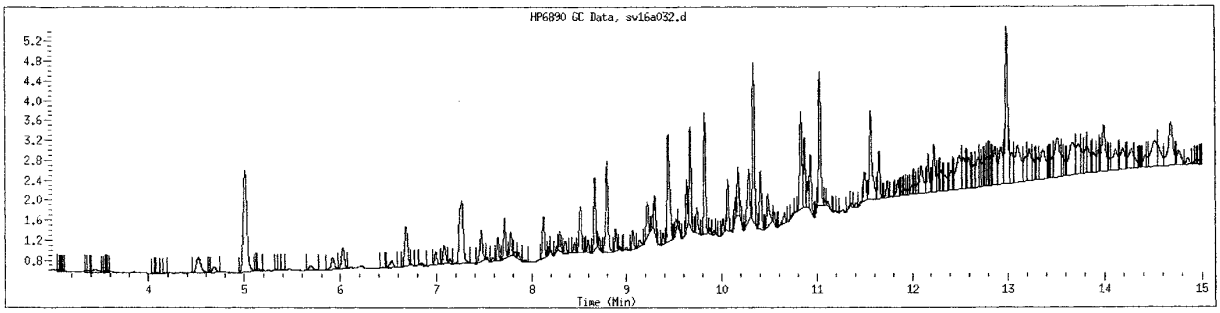
Operator: tls
Column diameter: 0.32



Data file : /var/chem/gcsv16a.i/2080606.b/sv16a032.d Page: 1
Report Date: 06/09/2008 12:31

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20806052207 SampleType : MSD
Injection Date: 06/07/2008 16:01 Instrument : gcsv16a.i
Operator : tls
Sample Info : 20806052207*10ms
Misc Info :
Method : /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Dilution : 10
Matrix : SOIL
Integrator : Falcon Compound Sublist: pcb



NO MANUAL INTEGRATIONS

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	6/5/08 1530	BATCH NO:	375038
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 375038 [EXTO/20419]	611526	30.0	5.0		PCB	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 375038 [EXTO/20419	611527	30.0	5.0			
3	QC ACCOUNT	LCSD for HBN 375038 [EXTO/2041	611528	30.0	5.0			SEPARATORY FUNNEL/3510
4	4482	4WSED3	20806052205	30.2	5.0			
5	4482	4WSED3 MS	20806052206	30.0	5.0			GPC CLEANUP/3640
6	4482	4WSED3 MSD	20806052207	30.0	5.0			
7	4482	4WSED2	20806052208	30.1	5.0			SONICATOR/3550
8	4482	SE600	20806052209	30.4	5.0			✓
9	4482	SWSED8	20806052210	30.2	5.0			FLORISIL CLEANUP/3620
10	4482	2WSED10	20806052211	30.4	5.0			
11	4565	D-1	20805290901	30.1	10.0			PCB H2So4/3665A CLEANUP
12	4565	B-3	20805290910	30.3	10.0			
13	4565	BG	20805290912	30.0	10.0			WASTE DILUTION/3580
14								
15								TCLP EXTRACTION FLUID 1
16								
17								TCLP EXTRACTION FLUID 2
18								
19								MECL2/Acetone No:
20								G17 E15
21				SKB 06/06/08				ACETONE LOT NO:
22								
23								MECL2 Lot No:
24								G17 E29
25								HEXANE Lot No:
26								G0U E37
27								Sodium Sulfate Lot No:
28								E40U17

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

PCB

SURROGATE ID	PB053-1	8081 SPIKE ID		608 SPIKE ID	PB051-1	TECHNICIAN	DATE
VOLUME	1.0mL	VOLUME		VOLUME	1.0mL	K.Berry	6/5/08
CONCENTRATION	1.5ug/mL	CONCENTRATION		CONCENTRATION	4.0ug/mL		
ACID						SUPERVISOR	DATE
SPIKE WITNESS						John Bailey	06/06/08

171312

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	6/5/08 1545	BATCH NO:	375061
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 375061 [EXTO/20423]	611657	1000	5.0	7	PCB	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 375061 [EXTO/20423	611658	1000	5.0	7		
3	QC ACCOUNT	LCSD for HBN 375061 [EXTO/2042	611659	1000	5.0	7		SEPARATORY FUNNEL/3510 ✓
4	4482	SE-060408-EB	20806052212	990	5.0	7		
5	4482	SE-060408-FB	20806052213	990	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:
24								G1232 9
25								HEXANE Lot No:
26								G06E37
27								Sodium Sulfate Lot No:
28								E40617

SKG 06/06/08

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

				PCB			
SURROGATE ID	430-53-7	8081 SPIKE ID		~~608~~ SPIKE ID	430-51-1	TECHNICIAN	DATE
VOLUME	1.0 mL	VOLUME		VOLUME	1.0 mL		6/5/08
CONCENTRATION	0.5 ug/mL	CONCENTRATION		CONCENTRATION	24.0 ug/mL		
ACID						SUPERVISOR	DATE
SPIKE WITNESS	KCS					John Bailey	06/06/08

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 05/30/2008
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2080529.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2080529.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	29-MAY-2008 17:39	1.000	tls	2	deg
1206		sv16a003.d	1000.00 ml	29-MAY-2008 17:58	1.000	tls	3	8081
1201		sv16a004.d	1000.00 ml	29-MAY-2008 18:16	1.000	tls	4	8081
1202		sv16a005.d	1000.00 ml	29-MAY-2008 18:35	1.000	tls	5	8081
1203		sv16a006.d	1000.00 ml	29-MAY-2008 18:54	1.000	tls	6	8081
1204		sv16a007.d	1000.00 ml	29-MAY-2008 19:13	1.000	tls	7	8081
1205		sv16a008.d	1000.00 ml	29-MAY-2008 19:31	1.000	tls	8	8081
1600		sv16a009.d	1.00 ml	29-MAY-2008 19:50	1.000	tls	9	8081
1205		sv16a010.d	1000.00 ml	29-MAY-2008 20:09	1.000	tls	10	chlor
1201		sv16a011.d	1000.00 ml	29-MAY-2008 20:28	1.000	tls	11	tox
1205		sv16a012.d	1000.00 ml	29-MAY-2008 20:46	1.000	tls	12	tox
1203		sv16a013.d	1000.00 ml	29-MAY-2008 21:06	1.000	tls	13	aro1221
1203		sv16a014.d	1000.00 ml	29-MAY-2008 21:25	1.000	tls	14	aro1232
1203		sv16a015.d	1000.00 ml	29-MAY-2008 21:43	1.000	tls	15	aro1242
1203		sv16a016.d	1000.00 ml	29-MAY-2008 22:02	1.000	tls	16	aro1248
1203		sv16a017.d	1000.00 ml	29-MAY-2008 22:21	1.000	tls	17	aro1254
1203		sv16a018.d	1000.00 ml	29-MAY-2008 22:39	1.000	tls	18	ar1262
1203		sv16a019.d	1000.00 ml	29-MAY-2008 22:58	1.000	tls	19	ar1268
1206		sv16a020.d	1000.00 ml	29-MAY-2008 23:17	1.000	tls	20	aro1260
1201		sv16a021.d	1000.00 ml	29-MAY-2008 23:35	1.000	tls	21	aro1260
1202		sv16a022.d	1000.00 ml	29-MAY-2008 23:54	1.000	tls	22	aro1260
1203		sv16a023.d	1000.00 ml	30-MAY-2008 00:13	1.000	tls	23	aro1260
1204		sv16a024.d	1000.00 ml	30-MAY-2008 00:31	1.000	tls	24	aro1260
1205		sv16a025.d	1000.00 ml	30-MAY-2008 00:50	1.000	tls	25	aro1260
1600		sv16a026.d	1.00 ml	30-MAY-2008 01:09	1.000	tls	26	aro1260
deg		sv16a027.d	1000.00 ml	30-MAY-2008 01:28	1.000	tls	27	deg
1400		sv16a041.d	1000.00 ml	30-MAY-2008 05:50	1.000	tls	41	aro1260
1400		sv16a042.d	1000.00 ml	30-MAY-2008 06:08	1.000	tls	42	aro1260
1400		sv16a043.d	1000.00 ml	30-MAY-2008 06:27	1.000	tls	43	8081
1400		sv16a044.d	1000.00 ml	30-MAY-2008 06:46	1.000	tls	44	8081

171314

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 06/09/2008
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2080606.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2080606.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	06-JUN-2008 09:29	1.000	tls	2	deg
1400		sv16a003.d	1000.00 ml	06-JUN-2008 09:48	1.000	tls	3	8081
1400		sv16a004.d	1000.00 ml	06-JUN-2008 12:15	1.000	tls	4	aro1260
20806052205		sv16a005.d	30.20 g	06-JUN-2008 13:03	1.000	tls	5	all
20806052205		sv16a006.d	30.20 g	06-JUN-2008 13:51	5.000	tls	6	all
20806052205		sv16a007.d	30.20 g	06-JUN-2008 14:15	10.000	tls	7	all
20806052208		sv16a008.d	30.10 g	06-JUN-2008 14:37	1.000	tls	8	all
20806052209		sv16a009.d	30.40 g	06-JUN-2008 14:56	1.000	tls	9	all
20806052210		sv16a010.d	30.20 g	06-JUN-2008 15:15	1.000	tls	10	all
20806052211		sv16a011.d	30.40 g	06-JUN-2008 15:33	1.000	tls	11	all
1400		sv16a012.d	1000.00 ml	06-JUN-2008 15:52	1.000	tls	12	8081
1400		sv16a013.d	1000.00 ml	06-JUN-2008 16:38	1.000	tls	13	8081
1400		sv16a014.d	1000.00 ml	06-JUN-2008 17:04	1.000	tls	14	aro1260
1400		sv16a015.d	1000.00 ml	06-JUN-2008 17:23	1.000	tls	15	aro1260
611523		sv16a016.d	30.00 g	06-JUN-2008 17:42	1.000	tls	16	all
611524		sv16a017.d	30.00 g	06-JUN-2008 18:00	1.000	tls	17	8081
611525		sv16a018.d	30.00 g	06-JUN-2008 18:19	1.000	tls	18	8081
611527		sv16a019.d	30.00 g	06-JUN-2008 18:38	1.000	tls	19	ar1260s
611528		sv16a020.d	30.00 g	06-JUN-2008 18:56	1.000	tls	20	ar1260s
1400		sv16a021.d	1000.00 ml	06-JUN-2008 19:15	1.000	tls	21	aro1260
1400		sv16a022.d	1000.00 ml	06-JUN-2008 19:34	1.000	tls	22	aro1260
1400		sv16a023.d	1000.00 ml	06-JUN-2008 19:53	1.000	tls	23	8081
1400		sv16a024.d	1000.00 ml	06-JUN-2008 20:11	1.000	tls	24	8081
deg		sv16a025.d	1000.00 ml	07-JUN-2008 11:05	1.000	tls	25	deg
1400		sv16a026.d	1000.00 ml	07-JUN-2008 11:23	1.000	tls	26	8081
1400		sv16a027.d	1000.00 ml	07-JUN-2008 14:17	1.000	tls	27	aro1260
611526		sv16a028.d	30.00 g	07-JUN-2008 14:40	1.000	tls	28	all
20806052206		sv16a029.d	30.00 g	07-JUN-2008 15:05	10.000	tls	29	pest
20806052207		sv16a030.d	30.00 g	07-JUN-2008 15:24	10.000	tls	30	pest
20806052206		sv16a031.d	30.00 g	07-JUN-2008 15:42	10.000	tls	31	pcb
20806052207		sv16a032.d	30.00 g	07-JUN-2008 16:01	10.000	tls	32	pcb
1400		sv16a033.d	1000.00 ml	07-JUN-2008 16:20	1.000	tls	33	8081
1400		sv16a034.d	1000.00 ml	07-JUN-2008 17:26	1.000	tls	34	8081
1400		sv16a035.d	1000.00 ml	07-JUN-2008 17:46	1.000	tls	35	aro1260
1400		sv16a036.d	1000.00 ml	07-JUN-2008 18:10	1.000	tls	36	aro1260
1400		sv16a037.d	1000.00 ml	07-JUN-2008 19:07	1.000	tls	37	8081

171315

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 06/11/2008
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2080608.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2080608.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	08-JUN-2008 12:44	1.000	tls	2	deg
1400		sv16a003.d	1000.00 ml	08-JUN-2008 13:03	1.000	tls	3	8081
1400		sv16a004.d	1000.00 ml	08-JUN-2008 13:22	1.000	tls	4	aro1260
610912		sv16a005.d	1000.00 ml	08-JUN-2008 16:47	1.000	tls	5	all
610913		sv16a006.d	1000.00 ml	08-JUN-2008 17:06	1.000	tls	6	8081
20806032702		sv16a007.d	980.00 ml	08-JUN-2008 17:24	1.000	tls	7	all
611657		sv16a009.d	1000.00 ml	08-JUN-2008 18:02	1.000	tls	9	all
611655		sv16a010.d	1000.00 ml	08-JUN-2008 18:20	1.000	tls	10	8081
611656		sv16a011.d	1000.00 ml	08-JUN-2008 18:39	1.000	tls	11	8081
611658		sv16a012.d	1000.00 ml	08-JUN-2008 18:58	1.000	tls	12	ar1260s
611659		sv16a013.d	1000.00 ml	08-JUN-2008 19:17	1.000	tls	13	ar1260s
20806052212		sv16a014.d	990.00 ml	08-JUN-2008 19:35	1.000	tls	14	all
20806052213		sv16a015.d	990.00 ml	08-JUN-2008 19:54	1.000	tls	15	all
1400		sv16a016.d	1000.00 ml	08-JUN-2008 20:13	1.000	tls	16	aro1260
1400		sv16a017.d	1000.00 ml	08-JUN-2008 20:31	1.000	tls	17	aro1260
1400		sv16a018.d	1000.00 ml	08-JUN-2008 20:50	1.000	tls	18	8081
1400		sv16a019.d	1000.00 ml	08-JUN-2008 21:09	1.000	tls	19	8081
611648		sv16a020.d	1000.00 ml	08-JUN-2008 21:27	1.000	tls	20	all
611649		sv16a021.d	1000.00 ml	08-JUN-2008 21:46	1.000	tls	21	8081
611650		sv16a022.d	1000.00 ml	08-JUN-2008 22:05	1.000	tls	22	8081
611652		sv16a023.d	1000.00 ml	08-JUN-2008 22:23	1.000	tls	23	ar1260s
611653		sv16a024.d	1000.00 ml	08-JUN-2008 22:42	1.000	tls	24	ar1260s
613164		sv16a025.d	30.00 g	08-JUN-2008 23:01	1.000	tls	25	pcb
613165		sv16a026.d	30.00 g	08-JUN-2008 23:19	1.000	tls	26	ar1260s
613166		sv16a027.d	30.00 g	08-JUN-2008 23:38	1.000	tls	27	ar1260s
1400		sv16a028.d	1000.00 ml	08-JUN-2008 23:57	1.000	tls	28	aro1260
1400		sv16a029.d	1000.00 ml	09-JUN-2008 00:16	1.000	tls	29	aro1260
1400		sv16a030.d	1000.00 ml	09-JUN-2008 00:35	1.000	tls	30	8081
1400		sv16a031.d	1000.00 ml	09-JUN-2008 00:53	1.000	tls	31	8081
20805305601		sv16a032.d	30.10 g	09-JUN-2008 01:12	1.000	tls	32	pcb
613167		sv16a034.d	30.40 g	09-JUN-2008 01:49	1.000	tls	34	pcb
613168		sv16a036.d	30.00 g	09-JUN-2008 02:27	1.000	tls	36	pcb
20806042806		sv16a038.d	1000.00 ml	09-JUN-2008 03:04	1.000	tls	38	all
20806042807		sv16a041.d	1000.00 ml	09-JUN-2008 04:00	1.000	tls	41	all
1400		sv16a044.d	1000.00 ml	09-JUN-2008 04:56	1.000	tls	44	aro1260
1400		sv16a045.d	1000.00 ml	09-JUN-2008 05:15	1.000	tls	45	aro1260

171316

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 06/10/2008
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2080609.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2080609.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	09-JUN-2008 10:46	1.000	tls	2	deg
1400		sv16a003.d	1000.00 ml	09-JUN-2008 11:04	1.000	tls	3	8081
1400		sv16a004.d	1000.00 ml	09-JUN-2008 11:23	1.000	tls	4	aro1260
20806052210		sv16a006.d	30.20 g	09-JUN-2008 13:52	1.000	tls	6	all
20806042806		sv16a007.d	1000.00 ml	09-JUN-2008 14:23	10.000	tls	7	all
20806042807		sv16a008.d	1000.00 ml	09-JUN-2008 14:42	10.000	tls	8	all
1400		sv16a009.d	1000.00 ml	09-JUN-2008 15:00	1.000	tls	9	8081
1400		sv16a010.d	1000.00 ml	09-JUN-2008 15:42	1.000	tls	10	aro1260

171317

U.S. EPA - CLP
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

SOW No.:

EPA Sample No.	*Lab Sample ID.*
SHELL 1	20806052201
SHELL 2	20806052202
SHELL 3	20806052203
4WSED1 (0-0.5)	20806052204
4WSED3 (0-0.5)	20806052205
4WSED3 (0-0.5) MS	20806052206
4WSED3 (0-0.5) MSD	20806052207
4WSED2 (0-0.5)	20806052208
SE600	20806052209
SWSED8 (1-2)	20806052210
2WSED10 (1-2)	20806052211
SE-060408-EB	20806052212
SE-060408-FB	20806052213

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: SHELL 1

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208060522

Level: (low / med) | % Solids: 99.56 | Lab Sample ID: 20806052201

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1010

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Zinc	100	mg/kg		1.80	8.03	SW-846 6010B	P

FORM I - IN

171319

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SHELL 2

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208060522

Level: (low / med) | % Solids: 99.13 | Lab Sample ID: 20806052202

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1015

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Zinc	44.9	mg/kg		1.79	8.01	SW-846 6010B	P

FORM I - IN

171320

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SHELL 3

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208060522

Level: (low / med) | % Solids: 99.70 | Lab Sample ID: 20806052203

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1020

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Zinc	6.12	mg/kg	B	1.80	8.02	SW-846 6010B	P

FORM I - IN

171321

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED1 (0-0.5)

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208060522

Level: (low / med) | % Solids: 74.96 | Lab Sample ID: 20806052204

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1040

Analyte	*Concentration*	*Units*	*C*	*MDL*	*PQL*	*Method*	*Type*
Zinc	269	mg/kg		0.24	1.06	SW-846 6010B	P

FORM I - IN

171322

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED3 (0-0.5)

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208060522

Level: (low / med) | % Solids: 85.80 | Lab Sample ID: 20806052205

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1200

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	16400	mg/kg		0.95	9.32	SW-846 6010B	P
Antimony	33.0	mg/kg		0.19	2.80	SW-846 6010B	P
Arsenic	1.86	mg/kg	U	0.12	1.86	SW-846 6010B	P
Barium	438	mg/kg		0.016	0.47	SW-846 6010B	P
Beryllium	1.12	mg/kg		0.0047	0.23	SW-846 6010B	P
Boron	101	mg/kg		1.29	4.66	SW-846 6010B	P
Cadmium	0.23	mg/kg	U	0.0058	0.23	SW-846 6010B	P
Chromium	23.2	mg/kg		0.017	0.47	SW-846 6010B	P
Cobalt	7.71	mg/kg		0.014	0.47	SW-846 6010B	P
Copper	27.6	mg/kg		0.20	0.47	SW-846 6010B	P
Iron	21000	mg/kg		1.46	4.66	SW-846 6010B	P
Lead	29.3	mg/kg		0.066	0.70	SW-846 6010B	P
Lithium	21.6	mg/kg		0.28	2.33	SW-846 6010B	P
Manganese	311	mg/kg		0.13	0.70	SW-846 6010B	P
Mercury	0.029	mg/kg		0.0045	0.012	SW-846 7471A	AV
Molybdenum	0.66	mg/kg	B	0.071	1.40	SW-846 6010B	P
Nickel	19.6	mg/kg		0.041	1.86	SW-846 6010B	P
Selenium	16.3	mg/kg		0.16	1.86	SW-846 6010B	P
Silver	0.47	mg/kg	U	0.027	0.47	SW-846 6010B	P
Strontium	87.9	mg/kg		0.040	0.47	SW-846 6010B	P
Thallium	0.93	mg/kg	U	0.16	0.93	SW-846 6010B	P
Tin	7.15	mg/kg		0.78	4.66	SW-846 6010B	P
Titanium	28.0	mg/kg		0.028	4.66	SW-846 6010B	P
Vanadium	22.2	mg/kg		0.055	0.93	SW-846 6010B	P
Zinc	290	mg/kg		0.21	0.93	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED3 (0-0.5) MS

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208060522

Level: (low / med) | % Solids: 85.80 | Lab Sample ID: 20806052206

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1200

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	23600	mg/kg		0.95	9.32	SW-846 6010B	P
Antimony	40.0	mg/kg		0.19	2.80	SW-846 6010B	P
Arsenic	10.8	mg/kg		0.12	1.86	SW-846 6010B	P
Barium	863	mg/kg		0.016	0.47	SW-846 6010B	P
Beryllium	24.4	mg/kg		0.0047	0.23	SW-846 6010B	P
Boron	196	mg/kg		1.29	4.66	SW-846 6010B	P
Cadmium	20.8	mg/kg		0.0058	0.23	SW-846 6010B	P
Chromium	49.4	mg/kg		0.017	0.47	SW-846 6010B	P
Cobalt	28.2	mg/kg		0.014	0.47	SW-846 6010B	P
Copper	47.4	mg/kg		0.20	0.47	SW-846 6010B	P
Iron	23600	mg/kg		1.46	4.66	SW-846 6010B	P
Lead	48.8	mg/kg		0.066	0.70	SW-846 6010B	P
Lithium	49.4	mg/kg		0.28	2.33	SW-846 6010B	P
Manganese	388	mg/kg		0.13	0.70	SW-846 6010B	P
Mercury	0.38	mg/kg		0.0045	0.012	SW-846 7471A	AV
Molybdenum	17.8	mg/kg		0.071	1.40	SW-846 6010B	P
Nickel	40.4	mg/kg		0.041	1.86	SW-846 6010B	P
Selenium	41.8	mg/kg		0.16	1.86	SW-846 6010B	P
Silver	21.6	mg/kg		0.027	0.47	SW-846 6010B	P
Strontium	134	mg/kg		0.040	0.47	SW-846 6010B	P
Thallium	12.3	mg/kg		0.16	0.93	SW-846 6010B	P
Tin	28.6	mg/kg		0.78	4.66	SW-846 6010B	P
Titanium	53.8	mg/kg		0.028	4.66	SW-846 6010B	P
Vanadium	50.0	mg/kg		0.055	0.93	SW-846 6010B	P
Zinc	285	mg/kg		0.21	0.93	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED3 (0-0.5) MSD

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208060522

Level: (low / med) | % Solids: 85.80 | Lab Sample ID: 20806052207

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1200

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	20700	mg/kg		0.95	9.32	SW-846 6010B	P
Antimony	30.9	mg/kg		0.19	2.80	SW-846 6010B	P
Arsenic	12.6	mg/kg		0.12	1.86	SW-846 6010B	P
Barium	285	mg/kg		0.016	0.47	SW-846 6010B	P
Beryllium	23.1	mg/kg		0.0047	0.23	SW-846 6010B	P
Boron	173	mg/kg		1.29	4.66	SW-846 6010B	P
Cadmium	20.4	mg/kg		0.0058	0.23	SW-846 6010B	P
Chromium	44.3	mg/kg		0.017	0.47	SW-846 6010B	P
Cobalt	26.9	mg/kg		0.014	0.47	SW-846 6010B	P
Copper	39.2	mg/kg		0.20	0.47	SW-846 6010B	P
Iron	17900	mg/kg		1.46	4.66	SW-846 6010B	P
Lead	168	mg/kg		0.066	0.70	SW-846 6010B	P
Lithium	45.0	mg/kg		0.28	2.33	SW-846 6010B	P
Manganese	275	mg/kg		0.13	0.70	SW-846 6010B	P
Mercury	0.37	mg/kg		0.0045	0.012	SW-846 7471A	AV
Molybdenum	17.8	mg/kg		0.071	1.40	SW-846 6010B	P
Nickel	37.2	mg/kg		0.041	1.86	SW-846 6010B	P
Selenium	37.8	mg/kg		0.16	1.86	SW-846 6010B	P
Silver	21.2	mg/kg		0.027	0.47	SW-846 6010B	P
Strontium	98.6	mg/kg		0.040	0.47	SW-846 6010B	P
Thallium	14.5	mg/kg		0.16	0.93	SW-846 6010B	P
Tin	27.0	mg/kg		0.78	4.66	SW-846 6010B	P
Titanium	62.2	mg/kg		0.028	4.66	SW-846 6010B	P
Vanadium	42.7	mg/kg		0.055	0.93	SW-846 6010B	P
Zinc	189	mg/kg		0.21	0.93	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED2 (0-0.5)

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208060522

Level: (low / med) | % Solids: 66.70 | Lab Sample ID: 20806052208

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1245

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	16500	mg/kg		1.21	11.9	SW-846 6010B	P
Antimony	19.6	mg/kg		0.24	3.57	SW-846 6010B	P
Arsenic	2.38	mg/kg	U	0.15	2.38	SW-846 6010B	P
Barium	48.7	mg/kg		0.021	0.59	SW-846 6010B	P
Beryllium	1.18	mg/kg		0.0059	0.30	SW-846 6010B	P
Boron	84.3	mg/kg		1.65	5.95	SW-846 6010B	P
Cadmium	0.30	mg/kg	U	0.0074	0.30	SW-846 6010B	P
Chromium	20.3	mg/kg		0.022	0.59	SW-846 6010B	P
Cobalt	4.94	mg/kg		0.018	0.59	SW-846 6010B	P
Copper	13.7	mg/kg		0.25	0.59	SW-846 6010B	P
Iron	14500	mg/kg		1.86	5.95	SW-846 6010B	P
Lead	13.6	mg/kg		0.085	0.89	SW-846 6010B	P
Lithium	17.4	mg/kg		0.35	2.97	SW-846 6010B	P
Manganese	159	mg/kg		0.17	0.89	SW-846 6010B	P
Mercury	0.059	mg/kg		0.0058	0.015	SW-846 7471A	AV
Molybdenum	0.73	mg/kg	B	0.091	1.78	SW-846 6010B	P
Nickel	15.1	mg/kg		0.052	2.38	SW-846 6010B	P
Selenium	11.3	mg/kg		0.20	2.38	SW-846 6010B	P
Silver	0.59	mg/kg	U	0.034	0.59	SW-846 6010B	P
Strontium	59.2	mg/kg		0.051	0.59	SW-846 6010B	P
Thallium	1.19	mg/kg	U	0.20	1.19	SW-846 6010B	P
Tin	2.17	mg/kg	B	0.99	5.95	SW-846 6010B	P
Titanium	39.7	mg/kg		0.036	5.95	SW-846 6010B	P
Vanadium	18.8	mg/kg		0.070	1.19	SW-846 6010B	P
Zinc	51.8	mg/kg		0.27	1.19	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SE600

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208060522

Level: (low / med) | % Solids: 67.25 | Lab Sample ID: 20806052209

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 0000

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	14800	mg/kg		1.20	11.8	SW-846 6010B	P
Antimony	17.7	mg/kg		0.23	3.54	SW-846 6010B	P
Arsenic	2.36	mg/kg	U	0.15	2.36	SW-846 6010B	P
Barium	42.1	mg/kg		0.021	0.59	SW-846 6010B	P
Beryllium	1.04	mg/kg		0.0059	0.30	SW-846 6010B	P
Boron	76.0	mg/kg		1.63	5.90	SW-846 6010B	P
Cadmium	0.30	mg/kg	U	0.0074	0.30	SW-846 6010B	P
Chromium	18.5	mg/kg		0.022	0.59	SW-846 6010B	P
Cobalt	5.18	mg/kg		0.018	0.59	SW-846 6010B	P
Copper	11.9	mg/kg		0.25	0.59	SW-846 6010B	P
Iron	13400	mg/kg		1.85	5.90	SW-846 6010B	P
Lead	12.1	mg/kg		0.084	0.89	SW-846 6010B	P
Lithium	16.5	mg/kg		0.35	2.95	SW-846 6010B	P
Manganese	106	mg/kg		0.17	0.89	SW-846 6010B	P
Mercury	0.028	mg/kg		0.0058	0.015	SW-846 7471A	AV
Molybdenum	0.45	mg/kg	B	0.090	1.77	SW-846 6010B	P
Nickel	15.1	mg/kg		0.052	2.36	SW-846 6010B	P
Selenium	12.8	mg/kg		0.20	2.36	SW-846 6010B	P
Silver	0.59	mg/kg	U	0.034	0.59	SW-846 6010B	P
Strontium	32.0	mg/kg		0.050	0.59	SW-846 6010B	P
Thallium	1.18	mg/kg	U	0.20	1.18	SW-846 6010B	P
Tin	1.35	mg/kg	B	0.99	5.90	SW-846 6010B	P
Titanium	27.1	mg/kg		0.035	5.90	SW-846 6010B	P
Vanadium	17.7	mg/kg		0.069	1.18	SW-846 6010B	P
Zinc	48.2	mg/kg		0.26	1.18	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SWSED8 (1-2)

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208060522

Level: (low / med) | % Solids: 73.59 | Lab Sample ID: 20806052210

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1345

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	16300	mg/kg		1.11	10.9	SW-846 6010B	P
Antimony	24.3	mg/kg		0.22	3.26	SW-846 6010B	P
Arsenic	2.17	mg/kg	U	0.14	2.17	SW-846 6010B	P
Barium	91.0	mg/kg		0.019	0.54	SW-846 6010B	P
Beryllium	1.14	mg/kg		0.0054	0.27	SW-846 6010B	P
Boron	89.0	mg/kg		1.50	5.43	SW-846 6010B	P
Cadmium	0.27	mg/kg	U	0.0068	0.27	SW-846 6010B	P
Chromium	20.8	mg/kg		0.020	0.54	SW-846 6010B	P
Cobalt	6.36	mg/kg		0.016	0.54	SW-846 6010B	P
Copper	12.3	mg/kg		0.23	0.54	SW-846 6010B	P
Iron	17000	mg/kg		1.70	5.43	SW-846 6010B	P
Lead	12.5	mg/kg		0.077	0.82	SW-846 6010B	P
Lithium	19.8	mg/kg		0.32	2.72	SW-846 6010B	P
Manganese	112	mg/kg		0.15	0.82	SW-846 6010B	P
Mercury	0.012	mg/kg	B	0.0053	0.014	SW-846 7471A	AV
Molybdenum	0.56	mg/kg	B	0.083	1.63	SW-846 6010B	P
Nickel	18.8	mg/kg		0.048	2.17	SW-846 6010B	P
Selenium	15.8	mg/kg		0.19	2.17	SW-846 6010B	P
Silver	0.54	mg/kg	U	0.031	0.54	SW-846 6010B	P
Strontium	27.5	mg/kg		0.046	0.54	SW-846 6010B	P
Thallium	1.09	mg/kg	U	0.18	1.09	SW-846 6010B	P
Tin	1.37	mg/kg	B	0.91	5.43	SW-846 6010B	P
Titanium	17.9	mg/kg		0.033	5.43	SW-846 6010B	P
Vanadium	17.7	mg/kg		0.064	1.09	SW-846 6010B	P
Zinc	44.0	mg/kg		0.24	1.09	SW-846 6010B	P

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INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED10 (1-2)

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208060522

Level: (low / med) | % Solids: 80.50 | Lab Sample ID: 20806052211

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1440

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	19200	mg/kg		1.01	9.94	SW-846 6010B	P
Antimony	29.4	mg/kg		0.20	2.98	SW-846 6010B	P
Arsenic	1.99	mg/kg	U	0.13	1.99	SW-846 6010B	P
Barium	72.6	mg/kg		0.017	0.50	SW-846 6010B	P
Beryllium	1.19	mg/kg		0.0050	0.25	SW-846 6010B	P
Boron	99.8	mg/kg		1.38	4.97	SW-846 6010B	P
Cadmium	0.25	mg/kg	U	0.0062	0.25	SW-846 6010B	P
Chromium	22.1	mg/kg		0.019	0.50	SW-846 6010B	P
Cobalt	6.96	mg/kg		0.015	0.50	SW-846 6010B	P
Copper	11.5	mg/kg		0.21	0.50	SW-846 6010B	P
Iron	19500	mg/kg		1.56	4.97	SW-846 6010B	P
Lead	9.40	mg/kg		0.071	0.75	SW-846 6010B	P
Lithium	23.6	mg/kg		0.29	2.48	SW-846 6010B	P
Manganese	281	mg/kg		0.14	0.75	SW-846 6010B	P
Mercury	0.0076	mg/kg	B	0.0048	0.012	SW-846 7471A	AV
Molybdenum	0.56	mg/kg	B	0.076	1.49	SW-846 6010B	P
Nickel	17.6	mg/kg		0.043	1.99	SW-846 6010B	P
Selenium	15.1	mg/kg		0.17	1.99	SW-846 6010B	P
Silver	0.50	mg/kg	U	0.029	0.50	SW-846 6010B	P
Strontium	70.3	mg/kg		0.042	0.50	SW-846 6010B	P
Thallium	0.99	mg/kg	U	0.17	0.99	SW-846 6010B	P
Tin	7.34	mg/kg		0.83	4.97	SW-846 6010B	P
Titanium	49.6	mg/kg		0.030	4.97	SW-846 6010B	P
Vanadium	22.0	mg/kg		0.058	0.99	SW-846 6010B	P
Zinc	42.8	mg/kg		0.22	0.99	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SE-060408-EB

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

Matrix: (soil / water) Water | SAS No.: | SDG No.: 208060522

Level: (low / med) | % Solids: | Lab Sample ID: 20806052212

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1500

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	0.037	mg/L	B	0.019	0.20	SW-846 6010B	P
Antimony	0.060	mg/L	U	0.0027	0.060	SW-846 6010B	P
Arsenic	0.010	mg/L	U	0.0030	0.010	SW-846 6010B	P
Barium	0.0017	mg/L	B	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	0.010	mg/L	U	0.00031	0.010	SW-846 6010B	P
Copper	0.010	mg/L	U	0.0017	0.010	SW-846 6010B	P
Iron	0.10	mg/L	U	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	0.0018	mg/L	B	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	0.00084	0.025	SW-846 6010B	P
Titanium	0.0013	mg/L	B	0.00035	0.10	SW-846 6010B	P
Vanadium	0.020	mg/L	U	0.0012	0.020	SW-846 6010B	P
Zinc	0.034	mg/L		0.0030	0.020	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SE-060408-FB

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

Matrix: (soil / water) Water | SAS No.: | SDG No.: 208060522

Level: (low / med) | % Solids: | Lab Sample ID: 20806052213

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1535

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	0.20	mg/L	U	0.019	0.20	SW-846 6010B	P
Antimony	0.060	mg/L	U	0.0027	0.060	SW-846 6010B	P
Arsenic	0.010	mg/L	U	0.0030	0.010	SW-846 6010B	P
Barium	0.00033	mg/L	B	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	0.010	mg/L	U	0.00031	0.010	SW-846 6010B	P
Copper	0.010	mg/L	U	0.0017	0.010	SW-846 6010B	P
Iron	0.10	mg/L	U	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	0.0056	mg/L	B	0.0019	0.020	SW-846 6010B	P
Tin	0.025	mg/L	U	0.00084	0.025	SW-846 6010B	P
Titanium	0.00036	mg/L	B	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.: 208060522

Calibration Source: 173-80-8 CPI Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 06/06/08 Time: 1309

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00505	101	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.: 208060522

Calibration Source: 173-80-7 EXAXOL Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 06/06/08 Time: 1312

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00508	102	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.: 208060522

Calibration Source: 173-80-7 EXAXOL Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 06/06/08 Time: 1332

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00510	102	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.: 208060522

Calibration Source: 173-80-7 EXAXOL Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 06/06/08 Time: 1354

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

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Calibration Source: 173-80-7 EXAXOL Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 06/06/08 Time: 1409

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00508	102	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.: 208060522

Calibration Source: 173-86-2 CPI Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 06/09/08 Time: 1141

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00509	102	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.: 208060522

Calibration Source: 173-86-1 EXAXOL Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 06/09/08 Time: 1144

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00495	99	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.: 208060522

Calibration Source: 173-86-1 EXAXOL Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 06/09/08 Time: 1204

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00515	103	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.: 208060522

Calibration Source: 173-86-1 EXAXOL Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 06/09/08 Time: 1223

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00521	104	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.: 208060522

Calibration Source: 173-86-1 EXAXOL Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 06/09/08 Time: 1243

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00518	104	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.: 208060522

Calibration Source: 173-86-1 EXAXOL Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 06/09/08 Time: 1303

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00522	104	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.: 208060522

Calibration Source: 173-86-1 EXAXOL Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 06/09/08 Time: 1322

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00521	104	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.: 208060522

Calibration Source: 173-86-1 EXAXOL Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 06/09/08 Time: 1332

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00526	105	mg/L	SW-846 7471A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

FORM II- IN

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Calibration Source: 173-86-1 EXAXOL Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 06/09/08 Time: 1347

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00516	103	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.: 208060522

Calibration Source: 173-86-1 EXAXOL Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 06/09/08 Time: 1401

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00508	102	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.: 208060522

Calibration Source: 173-81-5 CPI/EXAXOL Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 06/10/08 Time: 0954

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	10.0	9.03	90	mg/L	SW-846 6010B	P
Antimony	1.00	1.00	100	mg/L	SW-846 6010B	P
Arsenic	1.00	0.950	95	mg/L	SW-846 6010B	P
Barium	1.00	0.960	96	mg/L	SW-846 6010B	P
Beryllium	1.00	0.970	97	mg/L	SW-846 6010B	P
Boron	5.00	4.49	90	mg/L	SW-846 6010B	P
Cadmium	1.00	0.950	95	mg/L	SW-846 6010B	P
Calcium	10.0	9.66	97	mg/L	SW-846 6010B	P
Chromium	1.00	0.960	96	mg/L	SW-846 6010B	P
Cobalt	1.00	0.950	95	mg/L	SW-846 6010B	P
Copper	1.00	0.950	95	mg/L	SW-846 6010B	P
Iron	10.0	9.54	95	mg/L	SW-846 6010B	P
Lead	1.00	0.970	97	mg/L	SW-846 6010B	P
Lithium	1.00	0.960	96	mg/L	SW-846 6010B	P
Magnesium	10.0	9.48	95	mg/L	SW-846 6010B	P
Manganese	1.00	0.960	96	mg/L	SW-846 6010B	P
Molybdenum	1.00	0.960	96	mg/L	SW-846 6010B	P
Nickel	1.00	0.960	96	mg/L	SW-846 6010B	P
Potassium	10.0	9.78	98	mg/L	SW-846 6010B	P
Selenium	1.00	0.960	96	mg/L	SW-846 6010B	P
Silver	1.00	1.01	101	mg/L	SW-846 6010B	P
Sodium	10.0	9.68	97	mg/L	SW-846 6010B	P
Strontium	1.00	0.900	90	mg/L	SW-846 6010B	P
Thallium	1.00	0.960	96	mg/L	SW-846 6010B	P
Tin	1.00	1.00	100	mg/L	SW-846 6010B	P
Titanium	1.00	0.960	96	mg/L	SW-846 6010B	P
Vanadium	1.00	0.950	95	mg/L	SW-846 6010B	P
Zinc	1.00	0.950	95	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.: 208060522

Calibration Source: 173-86-6 EXAXOL Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 06/10/08 Time: 1001

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Iron	10.0	9.51	95	mg/L	SW-846 6010B	P
Silicon	10.0	6.96	70	mg/L	SW-846 6010B	P
Zirconium	1.00	0.970	97	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.: 208060522

Calibration Source: 173-85-2 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 06/10/08 Time: 1015

CRDL STANDARD

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	0.200	0.210	104	mg/L	SW-846 6010B	P
Antimony	0.0600	0.0590	98	mg/L	SW-846 6010B	P
Arsenic	0.0100	0.0110	112	mg/L	SW-846 6010B	P
Barium	0.0100	0.00960	96	mg/L	SW-846 6010B	P
Beryllium	0.00500	0.00510	103	mg/L	SW-846 6010B	P
Boron	0.500	0.400	79	mg/L	SW-846 6010B	P
Cadmium	0.00500	0.00470	94	mg/L	SW-846 6010B	P
Calcium	0.100	0.0940	94	mg/L	SW-846 6010B	P
Chromium	0.0100	0.00850	85	mg/L	SW-846 6010B	P
Cobalt	0.0100	0.00950	95	mg/L	SW-846 6010B	P
Copper	0.0100	0.00490	49	mg/L	SW-846 6010B	P
Iron	0.100	0.0900	90	mg/L	SW-846 6010B	P
Lead	0.0150	0.0140	91	mg/L	SW-846 6010B	P
Lithium	0.0500	0.0430	86	mg/L	SW-846 6010B	P
Magnesium	0.100	0.0870	87	mg/L	SW-846 6010B	P
Manganese	0.0150	0.0140	92	mg/L	SW-846 6010B	P
Molybdenum	0.0500	0.0510	103	mg/L	SW-846 6010B	P
Nickel	0.0400	0.0400	99	mg/L	SW-846 6010B	P
Potassium	0.500	0.500	100	mg/L	SW-846 6010B	P
Selenium	0.0400	0.0200	51	mg/L	SW-846 6010B	P
Silver	0.0100	0.00930	93	mg/L	SW-846 6010B	P
Sodium	1.00	0.610	61	mg/L	SW-846 6010B	P
Strontium	0.0500	0.0480	95	mg/L	SW-846 6010B	P
Thallium	0.0100	0.0140	138	mg/L	SW-846 6010B	P
Tin	0.100	0.0970	97	mg/L	SW-846 6010B	P
Titanium	0.100	0.100	101	mg/L	SW-846 6010B	P
Vanadium	0.0200	0.0180	90	mg/L	SW-846 6010B	P
Zinc	0.0200	0.0170	87	mg/L	SW-846 6010B	P

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Calibration Source: 173-86-5 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 06/10/08 Time: 1103

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.12	102	mg/L	SW-846 6010B	P
Antimony	0.500	0.530	105	mg/L	SW-846 6010B	P
Arsenic	0.500	0.510	102	mg/L	SW-846 6010B	P
Barium	0.500	0.520	104	mg/L	SW-846 6010B	P
Beryllium	0.500	0.510	102	mg/L	SW-846 6010B	P
Boron	2.50	2.34	94	mg/L	SW-846 6010B	P
Cadmium	0.500	0.520	104	mg/L	SW-846 6010B	P
Calcium	5.00	5.26	105	mg/L	SW-846 6010B	P
Chromium	0.500	0.520	104	mg/L	SW-846 6010B	P
Cobalt	0.500	0.520	104	mg/L	SW-846 6010B	P
Copper	0.500	0.520	104	mg/L	SW-846 6010B	P
Iron	5.00	5.22	104	mg/L	SW-846 6010B	P
Lead	0.500	0.510	103	mg/L	SW-846 6010B	P
Lithium	0.500	0.510	102	mg/L	SW-846 6010B	P
Magnesium	5.00	5.25	105	mg/L	SW-846 6010B	P
Manganese	0.500	0.510	102	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.520	103	mg/L	SW-846 6010B	P
Nickel	0.500	0.520	105	mg/L	SW-846 6010B	P
Potassium	10.0	10.2	102	mg/L	SW-846 6010B	P
Selenium	0.500	0.500	100	mg/L	SW-846 6010B	P
Silicon	5.00	3.97	79	mg/L	SW-846 6010B	P
Silver	0.500	0.520	104	mg/L	SW-846 6010B	P
Sodium	20.0	20.3	102	mg/L	SW-846 6010B	P
Strontium	0.500	0.520	103	mg/L	SW-846 6010B	P
Thallium	0.500	0.530	105	mg/L	SW-846 6010B	P
Tin	0.500	0.510	103	mg/L	SW-846 6010B	P
Titanium	0.500	0.510	101	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.: 208060522

Calibration Source: 173-86-5 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 06/10/08 Time: 1221

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	104	mg/L	SW-846 6010B	P
Arsenic	0.500	0.500	100	mg/L	SW-846 6010B	P
Barium	0.500	0.510	102	mg/L	SW-846 6010B	P
Beryllium	0.500	0.500	101	mg/L	SW-846 6010B	P
Boron	2.50	2.27	91	mg/L	SW-846 6010B	P
Cadmium	0.500	0.510	102	mg/L	SW-846 6010B	P
Calcium	5.00	5.33	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	0.510	102	mg/L	SW-846 6010B	P
Iron	5.00	5.27	105	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	5.31	106	mg/L	SW-846 6010B	P
Manganese	0.500	0.500	100	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.510	102	mg/L	SW-846 6010B	P
Nickel	0.500	0.520	103	mg/L	SW-846 6010B	P
Potassium	10.0	10.3	103	mg/L	SW-846 6010B	P
Selenium	0.500	0.490	98	mg/L	SW-846 6010B	P
Silicon	5.00	4.00	80	mg/L	SW-846 6010B	P
Silver	0.500	0.510	102	mg/L	SW-846 6010B	P
Sodium	20.0	20.2	101	mg/L	SW-846 6010B	P
Strontium	0.500	0.520	103	mg/L	SW-846 6010B	P
Thallium	0.500	0.510	102	mg/L	SW-846 6010B	P
Tin	0.500	0.510	102	mg/L	SW-846 6010B	P
Titanium	0.500	0.500	100	mg/L	SW-846 6010B	P
Vanadium	0.500	0.510	103	mg/L	SW-846 6010B	P
Zinc	0.500	0.510	102	mg/L	SW-846 6010B	P
Zirconium	0.500	0.500	100	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.: 208060522

Calibration Source: 173-86-5 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 06/10/08 Time: 1350

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	4.97	99	mg/L	SW-846 6010B	P
Antimony	0.500	0.510	102	mg/L	SW-846 6010B	P
Arsenic	0.500	0.490	99	mg/L	SW-846 6010B	P
Barium	0.500	0.500	100	mg/L	SW-846 6010B	P
Beryllium	0.500	0.500	100	mg/L	SW-846 6010B	P
Boron	2.50	2.19	88	mg/L	SW-846 6010B	P
Cadmium	0.500	0.500	100	mg/L	SW-846 6010B	P
Calcium	5.00	5.16	103	mg/L	SW-846 6010B	P
Chromium	0.500	0.500	100	mg/L	SW-846 6010B	P
Cobalt	0.500	0.500	100	mg/L	SW-846 6010B	P
Copper	0.500	0.500	99	mg/L	SW-846 6010B	P
Iron	5.00	5.11	102	mg/L	SW-846 6010B	P
Lead	0.500	0.500	101	mg/L	SW-846 6010B	P
Lithium	0.500	0.500	100	mg/L	SW-846 6010B	P
Magnesium	5.00	5.14	103	mg/L	SW-846 6010B	P
Manganese	0.500	0.510	101	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.500	100	mg/L	SW-846 6010B	P
Nickel	0.500	0.500	101	mg/L	SW-846 6010B	P
Potassium	10.0	10.1	101	mg/L	SW-846 6010B	P
Selenium	0.500	0.480	96	mg/L	SW-846 6010B	P
Silicon	5.00	3.89	78	mg/L	SW-846 6010B	P
Silver	0.500	0.510	102	mg/L	SW-846 6010B	P
Sodium	20.0	19.8	99	mg/L	SW-846 6010B	P
Strontium	0.500	0.510	101	mg/L	SW-846 6010B	P
Thallium	0.500	0.500	101	mg/L	SW-846 6010B	P
Tin	0.500	0.500	100	mg/L	SW-846 6010B	P
Titanium	0.500	0.500	100	mg/L	SW-846 6010B	P
Vanadium	0.500	0.500	100	mg/L	SW-846 6010B	P
Zinc	0.500	0.500	99	mg/L	SW-846 6010B	P
Zirconium	0.500	0.500	100	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.: 208060522

Calibration Source: 173-86-5 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 06/10/08 Time: 1451

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	4.94	99	mg/L	SW-846 6010B	P
Antimony	0.500	0.500	100	mg/L	SW-846 6010B	P
Arsenic	0.500	0.490	97	mg/L	SW-846 6010B	P
Barium	0.500	0.490	98	mg/L	SW-846 6010B	P
Beryllium	0.500	0.490	98	mg/L	SW-846 6010B	P
Boron	2.50	2.35	94	mg/L	SW-846 6010B	P
Cadmium	0.500	0.490	98	mg/L	SW-846 6010B	P
Calcium	5.00	5.05	101	mg/L	SW-846 6010B	P
Chromium	0.500	0.490	97	mg/L	SW-846 6010B	P
Cobalt	0.500	0.490	98	mg/L	SW-846 6010B	P
Copper	0.500	0.480	97	mg/L	SW-846 6010B	P
Iron	5.00	4.97	99	mg/L	SW-846 6010B	P
Lead	0.500	0.490	98	mg/L	SW-846 6010B	P
Lithium	0.500	0.480	97	mg/L	SW-846 6010B	P
Magnesium	5.00	5.07	101	mg/L	SW-846 6010B	P
Manganese	0.500	0.490	98	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.490	97	mg/L	SW-846 6010B	P
Nickel	0.500	0.490	99	mg/L	SW-846 6010B	P
Potassium	10.0	9.68	97	mg/L	SW-846 6010B	P
Selenium	0.500	0.470	93	mg/L	SW-846 6010B	P
Silicon	5.00	5.14	103	mg/L	SW-846 6010B	P
Silver	0.500	0.500	99	mg/L	SW-846 6010B	P
Sodium	20.0	19.2	96	mg/L	SW-846 6010B	P
Strontium	0.500	0.500	99	mg/L	SW-846 6010B	P
Thallium	0.500	0.500	100	mg/L	SW-846 6010B	P
Tin	0.500	0.490	97	mg/L	SW-846 6010B	P
Titanium	0.500	0.490	97	mg/L	SW-846 6010B	P
Vanadium	0.500	0.490	98	mg/L	SW-846 6010B	P
Zinc	0.500	0.480	96	mg/L	SW-846 6010B	P
Zirconium	0.500	0.490	97	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.: 208060522

Calibration Source: 173-86-9 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 06/10/08 Time: 1503

CRDL STANDARD

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Boron	0.100	0.0970	97	mg/L	SW-846 6010B	P

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Calibration Source: 173-86-5 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 06/10/08 Time: 1611

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	4.97	99	mg/L	SW-846 6010B	P
Antimony	0.500	0.490	99	mg/L	SW-846 6010B	P
Arsenic	0.500	0.490	98	mg/L	SW-846 6010B	P
Barium	0.500	0.490	98	mg/L	SW-846 6010B	P
Beryllium	0.500	0.490	98	mg/L	SW-846 6010B	P
Boron	2.50	2.36	95	mg/L	SW-846 6010B	P
Cadmium	0.500	0.490	97	mg/L	SW-846 6010B	P
Calcium	5.00	5.09	102	mg/L	SW-846 6010B	P
Chromium	0.500	0.490	97	mg/L	SW-846 6010B	P
Cobalt	0.500	0.490	98	mg/L	SW-846 6010B	P
Copper	0.500	0.480	97	mg/L	SW-846 6010B	P
Iron	5.00	5.01	100	mg/L	SW-846 6010B	P
Lead	0.500	0.490	97	mg/L	SW-846 6010B	P
Lithium	0.500	0.490	97	mg/L	SW-846 6010B	P
Magnesium	5.00	5.12	102	mg/L	SW-846 6010B	P
Manganese	0.500	0.490	98	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.480	96	mg/L	SW-846 6010B	P
Nickel	0.500	0.490	99	mg/L	SW-846 6010B	P
Potassium	10.0	9.71	97	mg/L	SW-846 6010B	P
Selenium	0.500	0.470	94	mg/L	SW-846 6010B	P
Silicon	5.00	5.17	103	mg/L	SW-846 6010B	P
Silver	0.500	0.500	99	mg/L	SW-846 6010B	P
Sodium	20.0	19.2	96	mg/L	SW-846 6010B	P
Strontium	0.500	0.500	100	mg/L	SW-846 6010B	P
Thallium	0.500	0.490	98	mg/L	SW-846 6010B	P
Tin	0.500	0.490	97	mg/L	SW-846 6010B	P
Titanium	0.500	0.490	97	mg/L	SW-846 6010B	P
Vanadium	0.500	0.490	97	mg/L	SW-846 6010B	P
Zinc	0.500	0.480	96	mg/L	SW-846 6010B	P
Zirconium	0.500	0.480	97	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.: 208060522

Calibration Source: 173-86-5 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 3

Date Analyzed: 06/10/08 Time: 1702

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	4.97	99	mg/L	SW-846 6010B	P
Antimony	0.500	0.480	97	mg/L	SW-846 6010B	P
Arsenic	0.500	0.480	95	mg/L	SW-846 6010B	P
Barium	0.500	0.490	98	mg/L	SW-846 6010B	P
Beryllium	0.500	0.490	98	mg/L	SW-846 6010B	P
Boron	2.50	2.40	96	mg/L	SW-846 6010B	P
Cadmium	0.500	0.490	98	mg/L	SW-846 6010B	P
Calcium	5.00	5.10	102	mg/L	SW-846 6010B	P
Chromium	0.500	0.490	98	mg/L	SW-846 6010B	P
Cobalt	0.500	0.490	98	mg/L	SW-846 6010B	P
Copper	0.500	0.490	98	mg/L	SW-846 6010B	P
Iron	5.00	5.03	101	mg/L	SW-846 6010B	P
Lead	0.500	0.490	97	mg/L	SW-846 6010B	P
Lithium	0.500	0.490	99	mg/L	SW-846 6010B	P
Magnesium	5.00	5.10	102	mg/L	SW-846 6010B	P
Manganese	0.500	0.490	98	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.480	96	mg/L	SW-846 6010B	P
Nickel	0.500	0.500	99	mg/L	SW-846 6010B	P
Potassium	10.0	9.88	99	mg/L	SW-846 6010B	P
Selenium	0.500	0.450	91	mg/L	SW-846 6010B	P
Silicon	5.00	5.21	104	mg/L	SW-846 6010B	P
Silver	0.500	0.500	100	mg/L	SW-846 6010B	P
Sodium	20.0	19.4	97	mg/L	SW-846 6010B	P
Strontium	0.500	0.490	99	mg/L	SW-846 6010B	P
Thallium	0.500	0.480	97	mg/L	SW-846 6010B	P
Tin	0.500	0.480	97	mg/L	SW-846 6010B	P
Titanium	0.500	0.490	97	mg/L	SW-846 6010B	P
Vanadium	0.500	0.490	97	mg/L	SW-846 6010B	P
Zinc	0.500	0.490	97	mg/L	SW-846 6010B	P
Zirconium	0.500	0.490	97	mg/L	SW-846 6010B	P

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.: 208060522

Lab Sample ID: ICB
ICAL ID: 1

Lab Sample DESC: ICB FOR HBN 375125 [HG/3915]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 06/06/08 Time: 1311

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.: 208060522

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 375125 [HG/3915]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 06/06/08 Time: 1314

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.: 208060522

Lab Sample ID: 611750
ICAL ID: 1

Lab Sample DESC: MB611750
Preparation Blank Matrix: (soil / water) Water

Instrument ID: FIMS1
Date Analyzed: 06/06/08 Time: 1319

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.: 208060522

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 375125 [HG/3915]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 06/06/08 Time: 1333

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.: 208060522

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 375125 [HG/3915]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 06/06/08 Time: 1356

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.: 208060522

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 375125 [HG/3915]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 06/06/08 Time: 1410

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.: 208060522

Lab Sample ID: ICB ICAL ID: 2

Lab Sample DESC: ICB FOR HBN 375213 [HG/3916] Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1 Date Analyzed: 06/09/08 Time: 1143

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.: 208060522

Lab Sample ID: CCB ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 375213 [HG/3916] Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1 Date Analyzed: 06/09/08 Time: 1146

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.: 208060522

Lab Sample ID: CCB
ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 375213 [HG/3916]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 06/09/08 Time: 1205

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.: 208060522

Lab Sample ID: CCB
ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 375213 [HG/3916]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 06/09/08 Time: 1225

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.: 208060522

Lab Sample ID: 611569
ICAL ID: 2

Lab Sample DESC: MB611569
Preparation Blank Matrix: (soil / water) Soil

Instrument ID: FIMS1
Date Analyzed: 06/09/08 Time: 1235

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.010	U	mg/kg	0.0039	0.010	SW-846 7471A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208060522

Lab Sample ID: CCB
ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 375213 [HG/3916]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 06/09/08 Time: 1245

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.: 208060522

Lab Sample ID: CCB ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 375213 [HG/3916] Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1 Date Analyzed: 06/09/08 Time: 1304

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.: 208060522

Lab Sample ID: CCB
ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 375213 [HG/3916]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 06/09/08 Time: 1324

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.: 208060522

Lab Sample ID: CCB ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 375213 [HG/3916] Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1 Date Analyzed: 06/09/08 Time: 1334

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.: 208060522

Lab Sample ID: CCB
ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 375213 [HG/3916]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 06/09/08 Time: 1349

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.: 208060522

Lab Sample ID: CCB ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 375213 [HG/3916] Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1 Date Analyzed: 06/09/08 Time: 1403

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.: 208060522

Lab Sample ID: ICB ICAL ID: 3

Lab Sample DESC: ICB FOR HBN 375327 [ICP/5052] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5 Date Analyzed: 06/10/08 Time: 1008

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	0.060	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	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	0.10	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	0.025	U	mg/kg	0.00084	0.025	SW-846 6010B	P
Titanium	0.00064	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.: 208060522

Lab Sample ID: CCB
ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 375327 [ICP/5052]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5
Date Analyzed: 06/10/08 Time: 1109

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	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	0.10	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	0.011	B	mg/kg	0.0019	0.020	SW-846 6010B	P
Tin	0.025	U	mg/kg	0.00084	0.025	SW-846 6010B	P
Titanium	0.00045	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.: 208060522

Lab Sample ID: 611565 ICAL ID: 3

Lab Sample DESC: MB611565 Preparation Blank Matrix: (soil / water) Soil

Instrument ID: ICP5 Date Analyzed: 06/10/08 Time: 1119

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	1.47	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	0.025	B	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	4.00	U	mg/kg	1.11	4.00	SW-846 6010B	P
Cadmium	0.0064	B	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	4.00	U	mg/kg	0.67	4.00	SW-846 6010B	P
Titanium	4.00	U	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	0.80	U	mg/kg	0.18	0.80	SW-846 6010B	P

BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Lab Sample ID: CCB ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 375327 [ICP/5052] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5 Date Analyzed: 06/10/08 Time: 1230

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.032	B	mg/kg	0.019	0.20	SW-846 6010B	P
Antimony	0.0037	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	0.0020	B	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	0.0017	B	mg/kg	0.0017	0.050	SW-846 6010B	P
Nickel	0.00069	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	0.020	U	mg/kg	0.0019	0.020	SW-846 6010B	P
Tin	0.025	U	mg/kg	0.00084	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.: 208060522

Lab Sample ID: CCB ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 375327 [ICP/5052] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5 Date Analyzed: 06/10/08 Time: 1358

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	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	0.10	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	0.0029	B	mg/kg	0.0019	0.020	SW-846 6010B	P
Tin	0.025	U	mg/kg	0.00084	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.: 208060522

Lab Sample ID: CCB ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 375327 [ICP/5052] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5 Date Analyzed: 06/10/08 Time: 1456

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	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	0.10	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	0.0057	B	mg/kg	0.0019	0.020	SW-846 6010B	P
Tin	0.025	U	mg/kg	0.00084	0.025	SW-846 6010B	P
Titanium	0.00037	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.: 208060522

Lab Sample ID: 611721 ICAL ID: 3

Lab Sample DESC: MB611721 Preparation Blank Matrix: (soil / water) Water

Instrument ID: ICP5 Date Analyzed: 06/10/08 Time: 1511

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/L	0.019	0.20	SW-846 6010B	P
Antimony	0.060	U	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	0.0024	B	mg/L	0.0019	0.020	SW-846 6010B	P
Tin	0.025	U	mg/L	0.00084	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.: 208060522

Lab Sample ID: CCB ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 375327 [ICP/5052] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5 Date Analyzed: 06/10/08 Time: 1617

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	0.0048	B	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	0.10	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	0.0029	B	mg/kg	0.0019	0.020	SW-846 6010B	P
Tin	0.025	U	mg/kg	0.00084	0.025	SW-846 6010B	P
Titanium	0.00048	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.: 208060522

Lab Sample ID: CCB ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 375327 [ICP/5052] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5 Date Analyzed: 06/10/08 Time: 1709

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	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	0.10	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	0.0038	B	mg/kg	0.0019	0.020	SW-846 6010B	P
Tin	0.025	U	mg/kg	0.00084	0.025	SW-846 6010B	P
Titanium	0.00057	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

ICP INTERFERENCE CHECK SAMPLE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

ICP ID Number: ICP5 ICS Source: 173-84-4 SPEX~173-84-3 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	202	201	100			
Antimony	0	1.00		1.08	108			
Arsenic	0	1.00		1.00	100			
Barium	0	0.50		0.49	98			
Beryllium	0	0.50		0.52	104			
Boron	0	1.00		1.20	120			
Cadmium	0	1.00		0.96	96			
Calcium	200	200	197	197	98			
Chromium	0	0.50		0.50	100			
Cobalt	0	0.50		0.46	92			
Copper	0	0.50		0.50	100			
Iron	80.0	80.0	79.2	79.2	99			
Lead	0	1.00		0.96	96			
Magnesium	200	200	195	196	98			
Manganese	0	0.50		0.48	96			
Molybdenum	0	1.00		1.01	101			
Nickel	0	1.00		0.94	94			
Selenium	0	1.00		1.08	108			
Silver	0	1.00		1.05	105			
Thallium	0	1.00		1.02	102			
Vanadium	0	0.50		0.46	92			
Zinc	0	1.00		0.97	97			

MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix Spike - EPA Sample No: 4WSED3 (0-0.5) Method SW-846 6010B

SAMPLE NO. : ***20806052206***

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*#*	*QC. LIMITS*
Aluminum	mg/kg	233	16400	23600	3060	N	75 - 125
Antimony	mg/kg	23.3	33	40	30	N	75 - 125
Arsenic	mg/kg	23.3	0	10.8	46	N	75 - 125
Barium	mg/kg	23.3	438	863	1820	N	75 - 125
Beryllium	mg/kg	23.3	1.12	24.4	100		75 - 125
Boron	mg/kg	117	101	196	82		75 - 125
Cadmium	mg/kg	23.3	0	20.8	89		75 - 125
Chromium	mg/kg	23.3	23.2	49.4	112		75 - 125
Cobalt	mg/kg	23.3	7.71	28.2	88		75 - 125
Copper	mg/kg	23.3	27.6	47.4	85		75 - 125
Iron	mg/kg	233	21000	23600	1090	N	75 - 125
Lead	mg/kg	23.3	29.3	48.8	84		75 - 125
Lithium	mg/kg	23.3	21.6	49.4	119		75 - 125
Manganese	mg/kg	23.3	311	388	333	N	75 - 125
Mercury	mg/kg	.29	.029	.38	120		75 - 125
Molybdenum	mg/kg	23.3	.66	17.8	74	N	75 - 125
Nickel	mg/kg	23.3	19.6	40.4	89		75 - 125
Selenium	mg/kg	23.3	16.3	41.8	109		75 - 125
Silver	mg/kg	23.3	0	21.6	93		75 - 125
Strontium	mg/kg	23.3	87.9	134	196	N	75 - 125
Thallium	mg/kg	23.3	0	12.3	53	N	75 - 125
Tin	mg/kg	23.3	7.15	28.6	92		75 - 125
Titanium	mg/kg	23.3	28	53.8	111		75 - 125
Vanadium	mg/kg	23.3	22.2	50	119		75 - 125
Zinc	mg/kg	23.3	290	285	-20	N	75 - 125

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

* Values outside of QC limits

RPD : 7 out of 25 outside limits

Spike Recovery: 24 out of 50 outside limits

MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix Spike - EPA Sample No: 4WSED3 (0-0.5) Method SW-846 6010B

SAMPLE NO. : 20806052207

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	*#*	*% RPD*	*#*	*QC. LIMITS REC*	*QC. LIMITS RPD*
Aluminum	mg/kg	233	20700	1830	N	13		75 - 125	0 - 20
Antimony	mg/kg	23.3	30.9	-9	N	26	*	75 - 125	0 - 20
Arsenic	mg/kg	23.3	12.6	54	N	16		75 - 125	0 - 20
Barium	mg/kg	23.3	285	-700	N	101	*	75 - 125	0 - 20
Beryllium	mg/kg	23.3	23.1	94		5		75 - 125	0 - 20
Boron	mg/kg	117	173	62	N	13		75 - 125	0 - 20
Cadmium	mg/kg	23.3	20.4	88		2		75 - 125	0 - 20
Chromium	mg/kg	23.3	44.3	90		11		75 - 125	0 - 20
Cobalt	mg/kg	23.3	26.9	82		5		75 - 125	0 - 20
Copper	mg/kg	23.3	39.2	49	N	19		75 - 125	0 - 20
Iron	mg/kg	233	17900	-1000	N	28	*	75 - 125	0 - 20
Lead	mg/kg	23.3	168	593	N	110	*	75 - 125	0 - 20
Lithium	mg/kg	23.3	45	100		9		75 - 125	0 - 20
Manganese	mg/kg	23.3	275	-200	N	34	*	75 - 125	0 - 20
Mercury	mg/kg	.29	.37	116		3		75 - 125	0 - 20
Molybdenum	mg/kg	23.3	17.8	74	N	0		75 - 125	0 - 20
Nickel	mg/kg	23.3	37.2	75		8		75 - 125	0 - 20
Selenium	mg/kg	23.3	37.8	92		10		75 - 125	0 - 20
Silver	mg/kg	23.3	21.2	91		2		75 - 125	0 - 20
Strontium	mg/kg	23.3	98.6	46	N	30	*	75 - 125	0 - 20
Thallium	mg/kg	23.3	14.5	62	N	16		75 - 125	0 - 20
Tin	mg/kg	23.3	27	85		5		75 - 125	0 - 20
Titanium	mg/kg	23.3	62.2	147	N	14		75 - 125	0 - 20
Vanadium	mg/kg	23.3	42.7	88		16		75 - 125	0 - 20
Zinc	mg/kg	23.3	189	-400	N	41	*	75 - 125	0 - 20

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

* Values outside of QC limits

RPD : 7 out of 25 outside limits

Spike Recovery: 24 out of 50 outside limits

MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix Spike - EPA Sample No: 27316-060508-N09R (1) Method SW-846 6010B

SAMPLE NO. : 611724

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*#*	*QC. LIMITS*
Manganese	mg/L	.5	.083	.55	93		75 - 125
Molybdenum	mg/L	.5	.011	.5	98		75 - 125
Nickel	mg/L	.5	0	.45	90		75 - 125
Selenium	mg/L	.5	0	.44	89		75 - 125
Silver	mg/L	.5	0	.48	96		75 - 125
Strontium	mg/L	.5	.27	.75	97		75 - 125
Thallium	mg/L	.5	0	.47	94		75 - 125
Tin	mg/L	.5	.0056	.51	101		75 - 125
Titanium	mg/L	.5	.00046	.48	96		75 - 125
Vanadium	mg/L	.5	0	.49	98		75 - 125
Zinc	mg/L	.5	0	.44	88		75 - 125
Aluminum	mg/L	5	0	4.83	97		75 - 125
Antimony	mg/L	.5	0	.52	105		75 - 125
Arsenic	mg/L	.5	.05	.54	98		75 - 125
Barium	mg/L	.5	.15	.61	93		75 - 125
Beryllium	mg/L	.5	0	.48	97		75 - 125
Boron	mg/L	2.5	.031	2.2	87		75 - 125
Cadmium	mg/L	.5	0	.46	93		75 - 125
Chromium	mg/L	.5	0	.48	96		75 - 125
Cobalt	mg/L	.5	0	.44	89		75 - 125
Copper	mg/L	.5	0	.45	90		75 - 125
Iron	mg/L	5	0	4.96	99		75 - 125
Lead	mg/L	.5	0	.47	93		75 - 125
Lithium	mg/L	.5	0	.47	94		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

MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Matrix Spike - EPA Sample No: 27316-060508-N09R (1) Method SW-846 7470A

SAMPLE NO. : 611753

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	#	*QC. LIMITS*
Mercury	mg/L	.005	0	.00443	89		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

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: GCAL
Sample ID: 4WSED3PDS

Lab Code: LA024
Case No.:
Contract:

Matrix: (soil / water) Soil
SAS No.:
SDG No.: 208060522

Level: (low / med)
Lab Sample ID: 612943

Orig Lab Sample ID: 20806052205

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Aluminum	75	125	16800		16400		233	175	N	mg/kg	SW-846 6010B	P
Antimony	75	125	57.8		33		23.3	107		mg/kg	SW-846 6010B	P
Arsenic	75	125	11.6		0	U	23.3	50	N	mg/kg	SW-846 6010B	P
Barium	75	125	456		438		23.3	79		mg/kg	SW-846 6010B	P
Beryllium	75	125	23		1.12		23.3	94		mg/kg	SW-846 6010B	P
Boron	75	125	204		101		117	88		mg/kg	SW-846 6010B	P
Cadmium	75	125	20		0	U	23.3	86		mg/kg	SW-846 6010B	P
Chromium	75	125	44		23.2		23.3	89		mg/kg	SW-846 6010B	P
Cobalt	75	125	27.7		7.71		23.3	86		mg/kg	SW-846 6010B	P
Copper	75	125	49.8		27.6		23.3	95		mg/kg	SW-846 6010B	P
Iron	75	125	21500		21000		233	229	N	mg/kg	SW-846 6010B	P
Lead	75	125	49.4		29.3		23.3	86		mg/kg	SW-846 6010B	P
Lithium	75	125	43.9		21.6		23.3	96		mg/kg	SW-846 6010B	P
Manganese	75	125	330		311		23.3	81		mg/kg	SW-846 6010B	P
Molybdenum	75	125	23		.66	B	23.3	96		mg/kg	SW-846 6010B	P
Nickel	75	125	38.9		19.6		23.3	83		mg/kg	SW-846 6010B	P
Selenium	75	125	40.2		16.3		23.3	102		mg/kg	SW-846 6010B	P
Silver	75	125	19.8		0	U	23.3	85		mg/kg	SW-846 6010B	P
Strontium	75	125	112		87.9		23.3	104		mg/kg	SW-846 6010B	P
Thallium	75	125	13.1		0	U	23.3	56	N	mg/kg	SW-846 6010B	P
Tin	75	125	30.1		7.15		23.3	99		mg/kg	SW-846 6010B	P
Titanium	75	125	49.2		28		23.3	91		mg/kg	SW-846 6010B	P
Vanadium	75	125	44		22.2		23.3	93		mg/kg	SW-846 6010B	P
Zinc	75	125	311		290		23.3	94		mg/kg	SW-846 6010B	P

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: GCAL
Sample ID: 27316-060508-N09...PDS

Lab Code: LA024 Case No.:
Contract:

Matrix: (soil / water) Water
SAS No.: SDG No.: 208060522

Level: (low / med)
Lab Sample ID: 613024

Orig Lab Sample ID: 20806054301

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Aluminum	75	125	4.94		0	U	5	99		mg/L	SW-846 6010B	P
Antimony	75	125	.53		0	U	.5	106		mg/L	SW-846 6010B	P
Arsenic	75	125	.56		.05		.5	102		mg/L	SW-846 6010B	P
Barium	75	125	.62		.15		.5	95		mg/L	SW-846 6010B	P
Beryllium	75	125	.5		0	U	.5	100		mg/L	SW-846 6010B	P
Boron	75	125	2.28		.031	B	2.5	90		mg/L	SW-846 6010B	P
Cadmium	75	125	.48		0	U	.5	96		mg/L	SW-846 6010B	P
Chromium	75	125	.49		0	U	.5	98		mg/L	SW-846 6010B	P
Cobalt	75	125	.46		0	U	.5	91		mg/L	SW-846 6010B	P
Copper	75	125	.46		0	U	.5	92		mg/L	SW-846 6010B	P
Iron	75	125	5.08		0	U	5	102		mg/L	SW-846 6010B	P
Lead	75	125	.48		0	U	.5	96		mg/L	SW-846 6010B	P
Lithium	75	125	.48		0	U	.5	97		mg/L	SW-846 6010B	P
Manganese	75	125	.56		.083		.5	95		mg/L	SW-846 6010B	P
Molybdenum	75	125	.51		.011	B	.5	99		mg/L	SW-846 6010B	P
Nickel	75	125	.46		0	U	.5	93		mg/L	SW-846 6010B	P
Selenium	75	125	.46		0	U	.5	93		mg/L	SW-846 6010B	P
Silver	75	125	.49		0	U	.5	99		mg/L	SW-846 6010B	P
Strontium	75	125	.76		.27		.5	99		mg/L	SW-846 6010B	P
Thallium	75	125	.48		0	U	.5	96		mg/L	SW-846 6010B	P
Tin	75	125	.52		.0056	B	.5	103		mg/L	SW-846 6010B	P
Titanium	75	125	.49		.00046	B	.5	97		mg/L	SW-846 6010B	P
Vanadium	75	125	.5		0	U	.5	101		mg/L	SW-846 6010B	P
Zinc	75	125	.46		0	U	.5	92		mg/L	SW-846 6010B	P

DUPLICATES

Lab Name: GCAL
Sample ID: 27316-060508-N09...DUP

Lab Code: LA024
Case No.:
Contract:

Matrix: (soil / water) Water
SAS No.:
SDG No.: 208060522

% Solids for Sample:
Level: (low / med)

% Solids for Duplicate:
Lab Sample ID: 611723

Analyte	LL	UL	Sample	C	Duplicate	C	RPD	Q	Units	Method	Type
Aluminum	0	20	0	U	0	U	0		mg/L	SW-846 6010B	P
Antimony	0	20	0	U	0	U	0		mg/L	SW-846 6010B	P
Arsenic	0	20	.05		.048		4		mg/L	SW-846 6010B	P
Barium	0	20	.15		.14		7		mg/L	SW-846 6010B	P
Beryllium	0	20	0	U	0	U	0		mg/L	SW-846 6010B	P
Boron	0	20	.031	B	0	U	200	*	mg/L	SW-846 6010B	P
Cadmium	0	20	0	U	0	U	0		mg/L	SW-846 6010B	P
Chromium	0	20	0	U	0	U	0		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	0	U	0	U	0		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	.083		.081		2		mg/L	SW-846 6010B	P
Molybdenum	0	20	.011	B	.0083	B	28	*	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	.27		.26		4		mg/L	SW-846 6010B	P
Thallium	0	20	0	U	.0043	B	200	*	mg/L	SW-846 6010B	P
Tin	0	20	.0056	B	.0045	B	22	*	mg/L	SW-846 6010B	P
Titanium	0	20	.00046	B	.00038	B	19		mg/L	SW-846 6010B	P
Vanadium	0	20	0	U	0	U	0		mg/L	SW-846 6010B	P
Zinc	0	20	0	U	0	U	0		mg/L	SW-846 6010B	P

DUPLICATES

Lab Name: GCAL
Sample ID: 27316-060508-N09...DUP

Lab Code: LA024
Case No.:
Contract:

Matrix: (soil / water) Water
SAS No.:
SDG No.: 208060522

% Solids for Sample:
Level: (low / med)

% Solids for Duplicate:
Lab Sample ID: 611752

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

171391

LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS611566
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 208060522
Lab Sample ID: 611566
LCS Source: 334-85-4 INORGANIC VENTURES

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Aluminum	200	194	97	80	120	mg/kg	SW-846 6010B	P
Antimony	20.0	21.1	106	80	120	mg/kg	SW-846 6010B	P
Arsenic	20.0	19.6	98	80	120	mg/kg	SW-846 6010B	P
Barium	20.0	20.3	101	80	120	mg/kg	SW-846 6010B	P
Beryllium	20.0	19.4	97	80	120	mg/kg	SW-846 6010B	P
Boron	100	86.7	87	80	120	mg/kg	SW-846 6010B	P
Cadmium	20.0	20.3	102	80	120	mg/kg	SW-846 6010B	P
Chromium	20.0	20.5	103	80	120	mg/kg	SW-846 6010B	P
Cobalt	20.0	20.7	103	80	120	mg/kg	SW-846 6010B	P
Copper	20.0	20.2	101	80	120	mg/kg	SW-846 6010B	P
Iron	200	199	99	80	120	mg/kg	SW-846 6010B	P
Lead	20.0	20.0	100	80	120	mg/kg	SW-846 6010B	P
Lithium	20.0	18.9	94	80	120	mg/kg	SW-846 6010B	P
Manganese	20.0	19.9	100	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	19.0	95	80	120	mg/kg	SW-846 6010B	P
Silver	20.0	20.2	101	80	120	mg/kg	SW-846 6010B	P
Strontium	20.0	19.7	99	80	120	mg/kg	SW-846 6010B	P
Thallium	20.0	19.9	99	80	120	mg/kg	SW-846 6010B	P
Tin	20.0	21.6	108	80	120	mg/kg	SW-846 6010B	P
Titanium	20.0	20.0	100	80	120	mg/kg	SW-846 6010B	P
Vanadium	20.0	20.6	103	80	120	mg/kg	SW-846 6010B	P
Zinc	20.0	20.1	100	80	120	mg/kg	SW-846 6010B	P

LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS611570
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 208060522
Lab Sample ID: 611570
LCS Source: 173-86-1 EXAXOL

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Mercury	0.25	0.28	113	80	120	mg/kg	SW-846 7471A	AV

FORM VII - IN

171393

LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS611722
Lab Code: LA024 Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.: SDG No.: 208060522
Lab Sample ID: 611722
LCS Source: 334-85-4 INORGANIC VENTURES

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Aluminum	5.00	4.82	96	80	120	mg/L	SW-846 6010B	P
Antimony	0.50	0.49	99	80	120	mg/L	SW-846 6010B	P
Arsenic	0.50	0.48	97	80	120	mg/L	SW-846 6010B	P
Barium	0.50	0.48	97	80	120	mg/L	SW-846 6010B	P
Beryllium	0.50	0.48	96	80	120	mg/L	SW-846 6010B	P
Boron	2.50	2.09	84	80	120	mg/L	SW-846 6010B	P
Cadmium	0.50	0.49	98	80	120	mg/L	SW-846 6010B	P
Chromium	0.50	0.49	97	80	120	mg/L	SW-846 6010B	P
Cobalt	0.50	0.49	98	80	120	mg/L	SW-846 6010B	P
Copper	0.50	0.48	95	80	120	mg/L	SW-846 6010B	P
Iron	5.00	4.94	99	80	120	mg/L	SW-846 6010B	P
Lead	0.50	0.49	98	80	120	mg/L	SW-846 6010B	P
Lithium	0.50	0.48	95	80	120	mg/L	SW-846 6010B	P
Manganese	0.50	0.47	95	80	120	mg/L	SW-846 6010B	P
Molybdenum	0.50	0.49	97	80	120	mg/L	SW-846 6010B	P
Nickel	0.50	0.49	99	80	120	mg/L	SW-846 6010B	P
Selenium	0.50	0.48	95	80	120	mg/L	SW-846 6010B	P
Silver	0.50	0.49	97	80	120	mg/L	SW-846 6010B	P
Strontium	0.50	0.49	99	80	120	mg/L	SW-846 6010B	P
Thallium	0.50	0.48	96	80	120	mg/L	SW-846 6010B	P
Tin	0.50	0.50	100	80	120	mg/L	SW-846 6010B	P
Titanium	0.50	0.48	96	80	120	mg/L	SW-846 6010B	P
Vanadium	0.50	0.49	99	80	120	mg/L	SW-846 6010B	P
Zinc	0.50	0.47	95	80	120	mg/L	SW-846 6010B	P

FORM VII - IN

171394

LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS611751
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 208060522
Lab Sample ID: 611751
LCS Source: 173-80-7 EXAXOL

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Mercury	0.00500	0.00473	95	80	120	mg/L	SW-846 7470A	AV

FORM VII - IN

171395

SERIAL DILUTIONS

Lab Name: GCAL
Sample ID: 27316-060508-N09R...SD

Lab Code: LA024 Case No.
Contract:

Matrix: (soil / water) Water
SAS No.: SDG No.: 208060522

Level: (low / med)
Org Lab Sample ID: 20806054301

Lab Sample ID: 612037

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

171396

SERIAL DILUTIONS

Lab Name: GCAL
Sample ID: 4WSED3SD

Lab Code: LA024
Case No.
Contract:

Matrix: (soil / water) Soil
SAS No.:
SDG No.: 208060522

Level: (low / med)
Org Lab Sample ID: 20806052205

Lab Sample ID: 612517

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Mercury			0.029		0	U	100		mg/kg	SW-846 7471A	AV

FORM IX - IN

171397

SERIAL DILUTIONS

Lab Name: GCAL | Sample ID: 4WSED3SD

Lab Code: LA024 | Case No. | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208060522

Level: (low / med) | Org Lab Sample ID: 20806052205

Lab Sample ID: 612944

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Aluminum	0	10	16400		17800		8.5		mg/kg	SW-846 6010B	P
Antimony	0	10	33.0		36.5		10.6	E	mg/kg	SW-846 6010B	P
Arsenic			0	U	0	U			mg/kg	SW-846 6010B	P
Barium	0	10	438		470		7.3		mg/kg	SW-846 6010B	P
Beryllium	0	10	1.12		1.17		4.5		mg/kg	SW-846 6010B	P
Boron	0	10	101		112		10.9	E	mg/kg	SW-846 6010B	P
Cadmium			0	U	0	U			mg/kg	SW-846 6010B	P
Chromium	0	10	23.2		25.3		9.1		mg/kg	SW-846 6010B	P
Cobalt	0	10	7.71		8.42		9.2		mg/kg	SW-846 6010B	P
Copper	0	10	27.6		30.3		9.8		mg/kg	SW-846 6010B	P
Iron	0	10	21000		24100		14.8	E	mg/kg	SW-846 6010B	P
Lead	0	10	29.3		31.7		8.2		mg/kg	SW-846 6010B	P
Lithium	0	10	21.6		25.8		19.4	E	mg/kg	SW-846 6010B	P
Manganese	0	10	311		339		9		mg/kg	SW-846 6010B	P
Molybdenum			0.66	B	2.28	B	245		mg/kg	SW-846 6010B	P
Nickel	0	10	19.6		21.5		9.7		mg/kg	SW-846 6010B	P
Selenium			16.3		4.69	B	71.2		mg/kg	SW-846 6010B	P
Silver			0	U	0	U			mg/kg	SW-846 6010B	P
Strontium	0	10	87.9		94.4		7.4		mg/kg	SW-846 6010B	P
Thallium			0	U	0	U			mg/kg	SW-846 6010B	P
Tin			7.15		7.44	B	4.1		mg/kg	SW-846 6010B	P
Titanium	0	10	28.0		29.5		5.4		mg/kg	SW-846 6010B	P
Vanadium	0	10	22.2		19.7		11.3	E	mg/kg	SW-846 6010B	P
Zinc	0	10	290		301		3.8		mg/kg	SW-846 6010B	P

SERIAL DILUTIONS

Lab Name: GCAL Sample ID: 27316-060508-N09R...SD

Lab Code: LA024 Case No. Contract:

Matrix: (soil / water) Water SAS No.: SDG No.: 208060522

Level: (low / med) Org Lab Sample ID: 20806054301

Lab Sample ID: 613025

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Aluminum			0	U	0.14	B			mg/L	SW-846 6010B	P
Antimony			0	U	0	U			mg/L	SW-846 6010B	P
Arsenic			0.050		0	U	100		mg/L	SW-846 6010B	P
Barium	0	10	0.15		0.14		6.7		mg/L	SW-846 6010B	P
Beryllium			0	U	0	U			mg/L	SW-846 6010B	P
Boron			0.031	B	0	U	100		mg/L	SW-846 6010B	P
Cadmium			0	U	0	U			mg/L	SW-846 6010B	P
Chromium			0	U	0	U			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	U	0	U			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	10	0.083		0.087		4.8		mg/L	SW-846 6010B	P
Molybdenum			0.011	B	0.019	B	72.7		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	10	0.27		0.27		0		mg/L	SW-846 6010B	P
Thallium			0	U	0	U			mg/L	SW-846 6010B	P
Tin			0.0056	B	0	U	100		mg/L	SW-846 6010B	P
Titanium			0.00046	B	0.0019	B	313		mg/L	SW-846 6010B	P
Vanadium			0	U	0	U			mg/L	SW-846 6010B	P
Zinc			0	U	0	U			mg/L	SW-846 6010B	P

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Method: SW-846 6010B Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
2WSED10 (1-2)	06/05/08	1.25	g	50	mL
4WSED1 (0-0.5)	06/05/08	1.26	g	50	mL
4WSED2 (0-0.5)	06/05/08	1.26	g	50	mL
4WSED3 (0-0.5)	06/05/08	1.25	g	50	mL
4WSED3 (0-0.5) MSD	06/05/08	1.25	g	50	mL
4WSED3 (0-0.5) MS	06/05/08	1.25	g	50	mL
LCS611566	06/05/08	1.25	g	50	mL
MB611565	06/05/08	1.25	g	50	mL
SE600	06/05/08	1.26	g	50	mL
SHELL 1	06/05/08	1.25	g	50	mL
SHELL 2	06/05/08	1.26	g	50	mL
SHELL 3	06/05/08	1.25	g	50	mL
SWSED8 (1-2)	06/05/08	1.25	g	50	mL

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Method: SW-846 7471A Method Type: AV

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
2WSED10 (1-2)	06/05/08	0.61	g	30	mL
4WSED2 (0-0.5)	06/05/08	0.61	g	30	mL
4WSED3 (0-0.5)	06/05/08	0.6	g	30	mL
4WSED3 (0-0.5) MSD	06/05/08	0.6	g	30	mL
4WSED3 (0-0.5) MS	06/05/08	0.6	g	30	mL
LCS611570	06/05/08	0.6	g	30	mL
MB611569	06/05/08	0.6	g	30	mL
SE600	06/05/08	0.6	g	30	mL
SWSED8 (1-2)	06/05/08	0.6	g	30	mL

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Method: SW-846 6010B Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
27316-060508-N09...DUP	06/05/08			50	mL
27316-060508-N09R...MS	06/05/08			50	mL
LCS611722	06/05/08			50	mL
MB611721	06/05/08			50	mL
SE-060408-EB	06/05/08			50	mL
SE-060408-FB	06/05/08			50	mL

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522

Method: SW-846 7470A Method Type: AV

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
27316-060508-N09...DUP	06/05/08			20	mL
27316-060508-N09R...MS	06/05/08			20	mL
LCS611751	06/05/08			20	mL
MB611750	06/05/08			20	mL
SE-060408-EB	06/05/08			20	mL
SE-060408-FB	06/05/08			20	mL

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 06/10/08

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522 End Date: 06/11/08

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	0954	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	1001												X																			
ICB	*	1	1008	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	1015	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	1022	X	X	X	X	X	X	X		X	X	X	X	X			X		X	X		X		X		X	X	X		X	X	
ICSA	*	1	1048	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	1056	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	1103	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	1109	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
MB611565	*	1	1119	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
LCS611566	*	1	1127	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
4WSED3 (0-0.5)	*	1	1133	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
4WSED3 (0-0.5) MS	*	1	1140	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
4WSED3 (0-0.5) MSD	*	1	1146	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
4WSED3PDS	*	1	1153	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
4WSED3SD	*	5	1200	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	1221	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	1230	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
SHELL 1	*	10	1247																														X	
SHELL 2	*	10	1255																														X	
SHELL 3	*	10	1302																														X	
CCV	*	1	1350	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	1358	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	1451	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	1456	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	1503						X																									
MB611721	*	1	1511	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

1331

171404

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 06/10/08

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522 End Date: 06/11/08

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
LCS611722	*	1	1518	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	1525																															
ZZZZZZZZZZZZZZZZZZZZZZZZZ	*	1	1531	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	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	
ZZZZZZZZZZZZZZZZZZZZZZZZZ	*	1	1544	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	*	5	1550	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
SE-060408-EB	*	1	1556	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
SE-060408-FB	*	1	1604	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	1611	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	1617	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
4WSED1 (0-0.5)	*	1	1623																														X	
SE600	*	1	1630	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
SWSED8 (1-2)	*	1	1636	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED10 (1-2)	*	1	1642	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
4WSED2 (0-0.5)	*	1	1649	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	1702	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	1709	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	1716																															
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1723																															
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1729																															
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1736																															
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1742																															
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1748																															
ZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1755																															
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1801																															
ZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1808																															
CCV	*	1	1821	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

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 06/06/08

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522 End Date: 06/06/08

Instrument ID Number: FIMS1 Method: SW-846 7470A 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	1309																	X														
ICB	*	1	1311																	X														
CCV	*	1	1312																	X														
CCB	*	1	1314																	X														
MB611750	*	1	1319																	X														
LCS611751	*	1	1320																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1322																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	1	1323																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	1	1325																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	5	1327																	X														
SE-060408-EB	*	1	1328																	X														
SE-060408-FB	*	1	1330																	X														
CCV	*	1	1332																	X														
CCB	*	1	1333																	X														
CCV	*	1	1354																	X														
CCB	*	1	1356																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1359																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1400																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1402																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1404																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1406																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1407																															
CCV	*	1	1409																	X														
CCB	*	1	1410																	X														

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 06/09/08

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522 End Date: 06/09/08

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	1141																	X														
ICB	*	1	1143																	X														
CCV	*	1	1144																	X														
CCB	*	1	1146																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1147																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1149																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1151																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1152																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1154																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1156																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1157																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1159																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1200																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1202																															
CCV	*	1	1204																	X														
CCB	*	1	1205																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1207																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1209																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1214																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1215																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1217																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1220																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1222																															
CCV	*	1	1223																	X														
CCB	*	1	1225																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1228																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1232																															

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 06/09/08

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522 End Date: 06/09/08

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	1233																															
MB611569	*	1	1235																	X														
LCS611570	*	1	1236																	X														
4WSED3 (0-0.5)	*	1	1238																	X														
4WSED3 (0-0.5) MS	*	1	1240																	X														
4WSED3 (0-0.5) MSD	*	1	1241																	X														
CCV	*	1	1243																	X														
CCB	*	1	1245																	X														
4WSED3SD	*	5	1246																	X														
4WSED2 (0-0.5)	*	1	1248																	X														
SE600	*	1	1250																	X														
SWSED8 (1-2)	*	1	1251																	X														
2WSED10 (1-2)	*	1	1253																	X														
CCV	*	1	1303																	X														
CCB	*	1	1304																	X														
CCV	*	1	1322																	X														
CCB	*	1	1324																	X														
CCV	*	1	1332																	X														
CCB	*	1	1334																	X														
CCV	*	1	1347																	X														
CCB	*	1	1349																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1350																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1352																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1353																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1355																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1357																															
CCV	*	1	1401																	X														

FORM XIV - IN

SDG 208060522

171408

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 06/09/08

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208060522 End Date: 06/09/08

Instrument ID Number: FIMS1 Method: SW-846 7471A 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			
CCB	*	1	1403																	X																	

FORM XIV - IN

171409

ICP ANALYSIS

ICP5

ANALYST: CNB
DATE: 6/10/2008
TIME: 09:40

AS#	SAMPLE ID		
1	CALIBRATION BLANK		
2	STANDARD 1	173-86-5 ,	
11	ICV-1600	173-81-5 ,	
12	ICV2-1601 F:Si	173-86-6 ,	
4	ICB-1700		
13	CRDL-2300 F:Cu*	173-85-2 ,	
14	CRDL-2301	173-86-7 ,	
15	ICSA-2000	173-84-4 ,	
16	ICSAB-2100	173-84-3 ,	
17	CCV-1800 F:Si		
1	CCB-1900		Dilution
17	611565	MB for HBN 375043 S	
18	611566	LCS for HBN 375043 S	
19	--- 4482 ---	N 20806052205	
20		N 20806052206 MS	
21		N 20806052207 MSD	
22	612943	N 20806052205 PDS	
23	612944	N 20806052205 SD	5 X
24			
25			
26			
6	CCV-1800 F:Si		
1	CCB-1900		
27		~~N 20806052201~~ RR @ 10X	100 X
28		N 20806052201	10 X
29		N 20806052202	10 X
30		N 20806052203	10 X
31		~~N 20806052204~~ RR @ 1X	10 X
32		~~N 20806052208~~ RR	
33		~~N 20806052209~~	
34		~~N 20806052210~~	
35		~~N 20806052211~~	
36		---	
5	CCV-1800 F:BSi	vCCV 1800	
1	CCB-1900	vCCB 1900	
37	173-86-9 ,	CRDL 2301 173-86-9	
38	611721	MB for HBN 375072 W	
39	611722	LCS for HBN 375072 W	
40	--- 0267 ---	20806054301	
41	611723	20806054301 DUP	
42	611724	20806054301 MS	
43	613024	20806054301 PDS	
44	613025	20806054301 SD	5 X
45		N 20806052212 EQBLK	
46		N 20806052213 FLDBLK	

AS#	SAMPLE ID		Dilution
5	CCV-1800		
1	CCB-1900		
47		N 20806052204	
48		20806052209	
49		20806052210	
50		20806052211	
51		20806052208	
52			
53			
54			
55			
56			
15	CCV-1800		
1	CCB-1900		
57	612551	MB for HBN 375220 W	
58	612552	LCS for HBN 375220 W	
59	--- 0176 ---	20806091302	
60	612553	20806091302 DUP	
61	612554	20806091302 MS	
62	613104	20806091302 PDS	
63	613105	20806091302 SD	5 X
64		20806091301	
65		20805221509	5 X
66		---	
5	CCV-1800		
1	CCB-1900		
67	611916	MB for HBN 375106 W	
68	611917	LCS for HBN 375106 W	
69	--- 0176 ---	20806053501	
70	611918	20806053501 DUP	
71	611919	20806053501 MS	
72	612690	20806053501 PDS	
73	612691	20806053501 SD	5 X
74		20806052401	
75		20806054901	
76		~~20805221509 Zn~~	20 X
5	CCV-1800		
1	CCB-1900 Final		

ANALYST QC REV: DJH
SECONDARY REV: MMP

QC CONTROL LIMITS:
ICV (200.7) 95-105%
ICV (6010B) 90-110%
ICSAB 80-120%
CCV 90-110%

COMMENTS: 5052, 375327
* Copper passed in 2301

QC: all acceptable qc noted with a checkmark; failures as indicated.

171410

ICP5
(Page 2)

ANALYST CNB
DATE 6/10/2008

AS#	SAMPLE ID		
77	612414	MB for HBN 375177 W	
78	612415	LCS for HBN 375177 W	
79	--- 0176 ---	20806061902	
80	612417	20806061902 MS	
81	612416	20806061902 DUP	
82	612692	20806061902 PDS	
83	612693	20806061902 SD	5 X
84		20806056201	
85		---	
86		---	
✓5	CCV-1800		
✓1	CCB-1900 F:Na		
87	612422	MB for HBN 375179 W	
88	612423	LCS for HBN 375179 W	
89	--- 0082 ---	20806063902	
90	612425	20806063902 MS	
91	612424	20806063902 DUP	
92	612694	20806063902 PDS	
93	612695	20806063902 SD	5 X
94		20806061702	
95		---	
96		---	
✓5	CCV-1800		
✓1	CCB-1900 F:Na		
97	611859	MB for HBN 375092 W	
98	611860	LCS for HBN 375092 W	
99	--- 4565 ---	20806060306	
100	611861	20806060306 DUP	
101	611862	20806060306 MS	
102	613106	20806060306 PDS	
103	613107	20806060306 SD	5 X
104		20806060301	
105		20806060302	
106		20806060303	
✓5	CCV-1800		
✓1	CCB-1900		
107		20806060304	
108		20806060305	
109		20806060307	
110		20806060308	
111		20806060309	
112		20806060902	
113		20806061001	
114			
115			
116			

AS#	SAMPLE ID	Dilution
✓5	CCV-1800	
✓1	CCB-1900	
117		
118		
119		
120		
121		
122		
123		
124		
125		
126		
5	CCV-1800	
1	CCB-1900	
127		
128		
129		
130		
131		
132		
133		
134		
135		
136		
5	CCV-1800	
1	CCB-1900	
137		
138		
139		
140		
141		
142		
143		
144		
145		
146		

COMMENTS: 5052, 375327

171411

Sequence No.: 1
Sample ID: Calib Blank 1
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 6/10/2008 9:40:56 AM
Data Type: Reprocessed on 6/11/2008 9:51:19 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Scandium-IS	3491336.9	25579.94	0.73%	100.0000	%
Yttrium,7440-65-5A	1957617.4	13256.87	0.68%	100.000	%
Yttrium,7440-65-5R	234608.0	1849.23	0.79%	100.000	%
Ar 420.067 R	2073697.0	9461.93	0.46%	100.000	%
Ar 363.268 A	43468.6	57.20	0.13%	100.000	%
Aluminum,7429-90-5†	-1139.4	17.36	1.52%	[0.00]	mg/L
Antimony,7440-36-0†	-46.1	8.44	18.30%	[0.00]	mg/L
Arsenic,7440-38-2†	6.1	1.41	23.05%	[0.00]	mg/L
Barium,7440-39-3†	-89.9	5.20	5.79%	[0.00]	mg/L
Beryllium,7440-41-7†	-8870.9	189.11	2.13%	[0.00]	mg/L
Boron,7440-42-8†	1825.6	278.67	15.26%	[0.00]	mg/L
Cadmium,7440-43-9†	-169.4	7.45	4.40%	[0.00]	mg/L
Calcium,7440-70-2†	2788.2	26.22	0.94%	[0.00]	mg/L
Chromium,7440-47-3†	1480.3	10.44	0.71%	[0.00]	mg/L
Cobalt,7440-48-4†	9.9	3.47	35.15%	[0.00]	mg/L
Copper,7440-50-8†	1231.3	69.51	5.65%	[0.00]	mg/L
Iron,7439-89-6†	-1815.7	29.39	1.62%	[0.00]	mg/L
Lead,7439-92-1†	11.7	5.12	43.85%	[0.00]	mg/L
Lithium,7439-93-2†	1468.8	116.09	7.90%	[0.00]	mg/L
Magnesium,7439-95-4†	1095.9	20.79	1.90%	[0.00]	mg/L
Manganese,7439-96-5†	3487.2	83.08	2.38%	[0.00]	mg/L
Molybdenum,7439-98-7†	-48.4	3.01	6.22%	[0.00]	mg/L
Nickel,7440-02-0†	-226.0	5.43	2.40%	[0.00]	mg/L
Potassium,7440-09-7†	-2453.5	53.09	2.16%	[0.00]	mg/L
Selenium,7782-49-2†	47.9	10.23	21.39%	[0.00]	mg/L
Silicon,7440-21-3†	749.3	11.35	1.51%	[0.00]	mg/L
Silver,7440-22-4†	7762.8	157.34	2.03%	[0.00]	mg/L
Sodium,7440-23-5†	5823.8	305.12	5.24%	[0.00]	mg/L
Strontium,7440-24-6†	669.3	18.05	2.70%	[0.00]	mg/L
Thallium,7440-28-0†	-2.9	0.32	10.98%	[0.00]	mg/L
Tin,7440-31-5†	10.6	3.07	29.06%	[0.00]	mg/L
Titanium,7440-32-6†	-2992.6	67.61	2.26%	[0.00]	mg/L
Vanadium,7440-62-2†	2205.3	13.05	0.59%	[0.00]	mg/L
Zinc,7440-66-6†	174.2	10.13	5.81%	[0.00]	mg/L
Zirconium,7440-67-7†	2278.9	110.52	4.85%	[0.00]	mg/L

Sequence No.: 2
Sample ID: Calib Std 1
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 6/10/2008 9:48:06 AM
Data Type: Reprocessed on 6/11/2008 9:51:21 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Scandium-IS	3382350.9	21272.67	0.63%	96.8784	%
Yttrium,7440-65-5A	1881023.5	11737.44	0.62%	96.0874	%
Yttrium,7440-65-5R	229479.2	2290.29	1.00%	97.8139	%
Ar 420.067 R	2059758.5	11711.68	0.57%	99.3278	%
Ar 363.268 A	43054.4	151.70	0.35%	99.0471	%
Aluminum,7429-90-5†	17353.8	143.22	0.83%	[10.00000]	mg/L
Antimony,7440-36-0†	436.1	3.01	0.69%	[1.000000]	mg/L
Arsenic,7440-38-2†	277.7	4.35	1.57%	[1.000000]	mg/L
Barium,7440-39-3†	66152.3	674.97	1.02%	[1.000000]	mg/L
Beryllium,7440-41-7†	3823920.1	2913.67	0.08%	[1.000000]	mg/L

Boron,7440-42-8†	282070.0	2301.19	0.82%	[5.00] mg/L
Cadmium,7440-43-9†	35325.2	359.99	1.02%	[1.000000] mg/L
Calcium,7440-70-2†	121981.8	849.63	0.70%	[10.00000] mg/L
Chromium,7440-47-3†	79727.1	1023.28	1.28%	[1.000000] mg/L
Cobalt,7440-48-4†	16704.8	159.09	0.95%	[1.000000] mg/L
Copper,7440-50-8†	200357.0	1832.50	0.91%	[1.000000] mg/L
Iron,7439-89-6†	119958.3	898.50	0.75%	[10.00000] mg/L
Lead,7439-92-1†	4651.3	27.36	0.59%	[1.000000] mg/L
Lithium,7439-93-2†	76929.2	637.93	0.83%	[1.00] mg/L
Magnesium,7439-95-4†	24591.5	223.07	0.91%	[10.00000] mg/L
Manganese,7439-96-5†	515153.6	483.33	0.09%	[1.000000] mg/L
Molybdenum,7439-98-7†	4143.3	27.81	0.67%	[1.00] mg/L
Nickel,7440-02-0†	27260.1	261.79	0.96%	[1.000000] mg/L
Potassium,7440-09-7†	66900.2	526.13	0.79%	[20.00000] mg/L
Selenium,7782-49-2†	438.8	12.61	2.87%	[1.000000] mg/L
Silicon,7440-21-3†	46704.8	306.48	0.66%	[10.0] mg/L
Silver,7440-22-4†	254752.5	2876.61	1.13%	[1.000000] mg/L
Sodium,7440-23-5†	200179.6	3052.70	1.52%	[40.00000] mg/L
Strontium,7440-24-6†	553844.5	8199.22	1.48%	[1.00] mg/L
Thallium,7440-28-0†	586.9	2.04	0.35%	[1.000000] mg/L
Tin,7440-31-5†	1232.6	7.56	0.61%	[1.00] mg/L
Titanium,7440-32-6†	628572.5	510.27	0.08%	[1.000000] mg/L
Vanadium,7440-62-2†	83410.6	1574.44	1.89%	[1.000000] mg/L
Zinc,7440-66-6†	22907.8	276.13	1.21%	[1.000000] mg/L
Zirconium,7440-67-7†	489570.2	573.86	0.12%	[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	1735	0.00000	1.000000	
Antimony,7440-36-0	1	Lin, Calc Int	0.0	436.1	0.00000	1.000000	
Arsenic,7440-38-2	1	Lin, Calc Int	0.0	277.7	0.00000	1.000000	
Barium,7440-39-3	1	Lin, Calc Int	0.0	66150	0.00000	1.000000	
Beryllium,7440-41-7	1	Lin, Calc Int	0.0	3824000	0.00000	1.000000	
Boron,7440-42-8	1	Lin, Calc Int	0.0	56410	0.00000	1.000000	
Cadmium,7440-43-9	1	Lin, Calc Int	0.0	35330	0.00000	1.000000	
Calcium,7440-70-2	1	Lin, Calc Int	-0.0	12200	0.00000	1.000000	
Chromium,7440-47-3	1	Lin, Calc Int	0.0	79730	0.00000	1.000000	
Cobalt,7440-48-4	1	Lin, Calc Int	0.0	16700	0.00000	1.000000	
Copper,7440-50-8	1	Lin, Calc Int	0.0	200400	0.00000	1.000000	
Iron,7439-89-6	1	Lin, Calc Int	-0.0	12000	0.00000	1.000000	
Lead,7439-92-1	1	Lin, Calc Int	0.0	4651	0.00000	1.000000	
Lithium,7439-93-2	1	Lin, Calc Int	0.0	76930	0.00000	1.000000	
Magnesium,7439-95-4	1	Lin, Calc Int	0.0	2459	0.00000	1.000000	
Manganese,7439-96-5	1	Lin, Calc Int	0.0	515200	0.00000	1.000000	
Molybdenum,7439-98-7	1	Lin, Calc Int	0.0	4143	0.00000	1.000000	
Nickel,7440-02-0	1	Lin, Calc Int	0.0	27260	0.00000	1.000000	
Potassium,7440-09-7	1	Lin, Calc Int	0.0	3345	0.00000	1.000000	
Selenium,7782-49-2	1	Lin, Calc Int	0.0	438.8	0.00000	1.000000	
Silicon,7440-21-3	1	Lin, Calc Int	0.0	4670	0.00000	1.000000	
Silver,7440-22-4	1	Lin, Calc Int	0.0	254800	0.00000	1.000000	
Sodium,7440-23-5	1	Lin, Calc Int	0.0	5004	0.00000	1.000000	
Strontium,7440-24-6	1	Lin, Calc Int	0.0	553800	0.00000	1.000000	
Thallium,7440-28-0	1	Lin, Calc Int	0.0	586.9	0.00000	1.000000	
Tin,7440-31-5	1	Lin, Calc Int	0.0	1233	0.00000	1.000000	
Titanium,7440-32-6	1	Lin, Calc Int	0.0	628600	0.00000	1.000000	
Vanadium,7440-62-2	1	Lin, Calc Int	0.0	83410	0.00000	1.000000	
Zinc,7440-66-6	1	Lin, Calc Int	0.0	22910	0.00000	1.000000	
Zirconium,7440-67-7	1	Lin, Calc Int	0.0	489600	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: 6/10/2008 9:54:27 AM
Data Type: Reprocessed on 6/11/2008 9:51:25 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1600

171413

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3513531.0	100.636	%	1.2354				1.23%
Yttrium,7440-65-5A	1970094.8	100.637	%	1.2276				1.22%
Yttrium,7440-65-5R	238287.0	101.568	%	0.6330				0.62%
Ar 420.067 R	2073114.6	99.9719	%	0.23093				0.23%
Ar 363.268 A	42906.0	98.7058	%	0.34284				0.35%
Aluminum,7429-90-5†	15683.7	9.03089	mg/L	0.063906	9.03089	mg/L	0.063906	0.71%
QC value within limits for Aluminum,7429-90-5 Recovery = 90.31%								
Antimony,7440-36-0†	426.9	1.00485	mg/L	0.014005	1.00485	mg/L	0.014005	1.39%
QC value within limits for Antimony,7440-36-0 Recovery = 100.48%								
Arsenic,7440-38-2†	263.6	0.94841	mg/L	0.010704	0.94841	mg/L	0.010704	1.13%
QC value within limits for Arsenic,7440-38-2 Recovery = 94.84%								
Barium,7440-39-3†	63438.8	0.95798	mg/L	0.010466	0.95798	mg/L	0.010466	1.09%
QC value within limits for Barium,7440-39-3 Recovery = 95.80%								
Beryllium,7440-41-7†	3704933.4	0.97285	mg/L	0.002112	0.97285	mg/L	0.002112	0.22%
QC value within limits for Beryllium,7440-41-7 Recovery = 97.28%								
Boron,7440-42-8†	253312.0	4.49045	mg/L	0.061512	4.49045	mg/L	0.061512	1.37%
QC value within limits for Boron,7440-42-8 Recovery = 89.81%								
Cadmium,7440-43-9†	33752.2	0.95461	mg/L	0.011331	0.95461	mg/L	0.011331	1.19%
QC value within limits for Cadmium,7440-43-9 Recovery = 95.46%								
Calcium,7440-70-2†	117816.0	9.66020	mg/L	0.190611	9.66020	mg/L	0.190611	1.97%
QC value within limits for Calcium,7440-70-2 Recovery = 96.60%								
Chromium,7440-47-3†	76567.7	0.96062	mg/L	0.009275	0.96062	mg/L	0.009275	0.97%
QC value within limits for Chromium,7440-47-3 Recovery = 96.06%								
Cobalt,7440-48-4†	15840.7	0.94601	mg/L	0.011255	0.94601	mg/L	0.011255	1.19%
QC value within limits for Cobalt,7440-48-4 Recovery = 94.60%								
Copper,7440-50-8†	189639.0	0.94724	mg/L	0.010047	0.94724	mg/L	0.010047	1.06%
QC value within limits for Copper,7440-50-8 Recovery = 94.72%								
Iron,7439-89-6†	114387.9	9.53620	mg/L	0.187372	9.53620	mg/L	0.187372	1.96%
QC value within limits for Iron,7439-89-6 Recovery = 95.36%								
Lead,7439-92-1†	4483.9	0.96547	mg/L	0.010087	0.96547	mg/L	0.010087	1.04%
QC value within limits for Lead,7439-92-1 Recovery = 96.55%								
Lithium,7439-93-2†	74073.3	0.96305	mg/L	0.018499	0.96305	mg/L	0.018499	1.92%
QC value within limits for Lithium,7439-93-2 Recovery = 96.30%								
Magnesium,7439-95-4†	23294.8	9.47682	mg/L	0.070780	9.47682	mg/L	0.070780	0.75%
QC value within limits for Magnesium,7439-95-4 Recovery = 94.77%								
Manganese,7439-96-5†	493479.2	0.95719	mg/L	0.000566	0.95719	mg/L	0.000566	0.06%
QC value within limits for Manganese,7439-96-5 Recovery = 95.72%								
Molybdenum,7439-98-7†	3988.5	0.96277	mg/L	0.012381	0.96277	mg/L	0.012381	1.29%
QC value within limits for Molybdenum,7439-98-7 Recovery = 96.28%								
Nickel,7440-02-0†	26306.0	0.96486	mg/L	0.009537	0.96486	mg/L	0.009537	0.99%
QC value within limits for Nickel,7440-02-0 Recovery = 96.49%								
Potassium,7440-09-7†	32724.1	9.77979	mg/L	0.166085	9.77979	mg/L	0.166085	1.70%
QC value within limits for Potassium,7440-09-7 Recovery = 97.80%								
Selenium,7782-49-2†	420.3	0.96264	mg/L	0.039958	0.96264	mg/L	0.039958	4.15%
QC value within limits for Selenium,7782-49-2 Recovery = 96.26%								
Silicon,7440-21-3†	286.5	0.05840	mg/L	0.004274	0.05840	mg/L	0.004274	7.32%
Silver,7440-22-4†	255580.4	1.01269	mg/L	0.010486	1.01269	mg/L	0.010486	1.04%
QC value within limits for Silver,7440-22-4 Recovery = 101.27%								
Sodium,7440-23-5†	47349.9	9.68253	mg/L	0.191666	9.68253	mg/L	0.191666	1.98%
QC value within limits for Sodium,7440-23-5 Recovery = 96.83%								
Strontium,7440-24-6†	501019.3	0.90429	mg/L	0.006877	0.90429	mg/L	0.006877	0.76%
QC value within limits for Strontium,7440-24-6 Recovery = 90.43%								
Thallium,7440-28-0†	561.8	0.96495	mg/L	0.018805	0.96495	mg/L	0.018805	1.95%
QC value within limits for Thallium,7440-28-0 Recovery = 96.50%								
Tin,7440-31-5†	1227.0	1.00182	mg/L	0.014325	1.00182	mg/L	0.014325	1.43%
QC value within limits for Tin,7440-31-5 Recovery = 100.18%								
Titanium,7440-32-6†	605461.2	0.96279	mg/L	0.001117	0.96279	mg/L	0.001117	0.12%
QC value within limits for Titanium,7440-32-6 Recovery = 96.28%								
Vanadium,7440-62-2†	79489.7	0.95414	mg/L	0.008432	0.95414	mg/L	0.008432	0.88%
QC value within limits for Vanadium,7440-62-2 Recovery = 95.41%								
Zinc,7440-66-6†	21993.7	0.95086	mg/L	0.011156	0.95086	mg/L	0.011156	1.17%
QC value within limits for Zinc,7440-66-6 Recovery = 95.09%								
Zirconium,7440-67-7†	1877.3	0.00246	mg/L	0.000346	0.00246	mg/L	0.000346	14.04%

All analyte(s) passed QC.

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Sequence No.: 4 **Autosampler Location: 12**
Sample ID: 1601 **Date Collected: 6/10/2008 10:01:48 AM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:51:26 AM**

171414

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	3621443.4	103.727	%	0.2712				0.26%
Yttrium,7440-65-5A	2011389.2	102.747	%	0.2147				0.21%
Yttrium,7440-65-5R	244648.9	104.280	%	1.0556				1.01%
Ar 420.067 R	2077381.0	100.178	%	0.2384				0.24%
Ar 363.268 A	43067.9	99.0783	%	0.24580				0.25%
Aluminum,7429-90-5†	73.8	0.04323	mg/L	0.027134	0.04323	mg/L	0.027134	62.76%
Antimony,7440-36-0†	5.9	0.03320	mg/L	0.014559	0.03320	mg/L	0.014559	43.85%
Arsenic,7440-38-2†	5.5	0.01268	mg/L	0.006514	0.01268	mg/L	0.006514	51.37%
Barium,7440-39-3†	47.5	0.00053	mg/L	0.000172	0.00053	mg/L	0.000172	32.32%
Beryllium,7440-41-7†	2744.5	0.00073	mg/L	0.000026	0.00073	mg/L	0.000026	3.53%
Boron,7440-42-8†	7398.4	0.13248	mg/L	0.010623	0.13248	mg/L	0.010623	8.02%
Cadmium,7440-43-9†	13.5	0.00001	mg/L	0.000117	0.00001	mg/L	0.000117	>999.9%
Calcium,7440-70-2†	168.4	0.01364	mg/L	0.000897	0.01364	mg/L	0.000897	6.57%
Chromium,7440-47-3†	-63.9	0.00073	mg/L	0.000197	0.00073	mg/L	0.000197	26.84%
Cobalt,7440-48-4†	11.3	0.00067	mg/L	0.000252	0.00067	mg/L	0.000252	37.60%
Copper,7440-50-8†	-344.1	-0.00100	mg/L	0.000197	-0.00100	mg/L	0.000197	19.64%
Iron,7439-89-6†	114024.4	9.50533	mg/L	0.132856	9.50533	mg/L	0.132856	1.40%
QC value within limits for Iron,7439-89-6 Recovery = 95.05%								
Lead,7439-92-1†	-6.0	-0.00128	mg/L	0.001967	-0.00128	mg/L	0.001967	153.81%
Lithium,7439-93-2†	146.3	0.00195	mg/L	0.000844	0.00195	mg/L	0.000844	43.26%
Magnesium,7439-95-4†	-30.1	-0.00984	mg/L	0.019290	-0.00984	mg/L	0.019290	196.01%
Manganese,7439-96-5†	-93.1	-0.00038	mg/L	0.000056	-0.00038	mg/L	0.000056	14.77%
Molybdenum,7439-98-7†	2.3	0.00059	mg/L	0.001964	0.00059	mg/L	0.001964	332.30%
Nickel,7440-02-0†	38.7	0.00191	mg/L	0.000236	0.00191	mg/L	0.000236	12.34%
Potassium,7440-09-7†	-3.0	-0.00083	mg/L	0.035427	-0.00083	mg/L	0.035427	>999.9%
Selenium,7782-49-2†	-8.0	-0.01043	mg/L	0.012868	-0.01043	mg/L	0.012868	123.40%
Silicon,7440-21-3†	32508.4	6.96023	mg/L	0.021690	6.96023	mg/L	0.021690	0.31%
QC value less than the lower limit for Silicon,7440-21-3 Recovery = 69.60%								
Silver,7440-22-4†	1950.5	0.00767	mg/L	0.000211	0.00767	mg/L	0.000211	2.75%
Sodium,7440-23-5†	-847.9	-0.34398	mg/L	0.012920	-0.34398	mg/L	0.012920	3.76%
Strontium,7440-24-6†	7.4	0.00000	mg/L	0.000256	0.00000	mg/L	0.000256	>999.9%
Thallium,7440-28-0†	1.0	-0.00344	mg/L	0.009471	-0.00344	mg/L	0.009471	275.00%
Tin,7440-31-5†	1.0	0.00113	mg/L	0.000907	0.00113	mg/L	0.000907	80.52%
Titanium,7440-32-6†	1312.3	0.00207	mg/L	0.000591	0.00207	mg/L	0.000591	28.50%
Vanadium,7440-62-2†	101.0	-0.00330	mg/L	0.000287	-0.00330	mg/L	0.000287	8.71%
Zinc,7440-66-6†	87.0	0.00206	mg/L	0.000090	0.00206	mg/L	0.000090	4.38%
Zirconium,7440-67-7†	473188.3	0.96619	mg/L	0.002396	0.96619	mg/L	0.002396	0.25%
QC value within limits for Zirconium,7440-67-7 Recovery = 96.62%								

QC Failed. Continue with analysis.

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Sequence No.: 5 Autosampler Location: 1
Sample ID: 1700 Date Collected: 6/10/2008 10:08:08 AM
Analyst: Data Type: Reprocessed on 6/11/2008 9:51:28 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	3654150.7	104.663	%	0.9165				0.88%
Yttrium,7440-65-5A	2049861.9	104.712	%	0.8856				0.85%
Yttrium,7440-65-5R	246397.3	105.025	%	0.5088				0.48%
Ar 420.067 R	2088314.8	100.705	%	0.2355				0.23%
Ar 363.268 A	43143.0	99.2510	%	0.14628				0.15%
Aluminum,7429-90-5†	25.4	0.01466	mg/L	0.009757	0.01466	mg/L	0.009757	66.58%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	-6.7	-0.01530	mg/L	0.009194	-0.01530	mg/L	0.009194	60.10%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-2.7	-0.00976	mg/L	0.002457	-0.00976	mg/L	0.002457	25.18%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								

Barium,7440-39-3†	13.5	0.00020 mg/L	0.000193	0.00020 mg/L	0.000193	94.00%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated						
Beryllium,7440-41-7†	42.1	0.00001 mg/L	0.000044	0.00001 mg/L	0.000044	305.39%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated						
Boron,7440-42-8†	-1377.4	-0.02442 mg/L	0.002037	-0.02442 mg/L	0.002037	8.34%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated						
Cadmium,7440-43-9†	-4.2	-0.00012 mg/L	0.000129	-0.00012 mg/L	0.000129	107.80%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated						
Calcium,7440-70-2†	-74.9	-0.00614 mg/L	0.005722	-0.00614 mg/L	0.005722	93.14%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated						
Chromium,7440-47-3†	-64.1	-0.00080 mg/L	0.000220	-0.00080 mg/L	0.000220	27.30%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated						
Cobalt,7440-48-4†	-4.4	-0.00027 mg/L	0.000137	-0.00027 mg/L	0.000137	51.35%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated						
Copper,7440-50-8†	-4.0	-0.00002 mg/L	0.000336	-0.00002 mg/L	0.000336	>999.9%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated						
Iron,7439-89-6†	-19.2	-0.00160 mg/L	0.000855	-0.00160 mg/L	0.000855	53.50%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated						
Lead,7439-92-1†	-3.4	-0.00073 mg/L	0.001436	-0.00073 mg/L	0.001436	196.38%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated						
Lithium,7439-93-2†	-362.8	-0.00472 mg/L	0.000752	-0.00472 mg/L	0.000752	15.96%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated						
Magnesium,7439-95-4†	-34.5	-0.01402 mg/L	0.001200	-0.01402 mg/L	0.001200	8.56%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated						
Manganese,7439-96-5†	-390.6	-0.00076 mg/L	0.000103	-0.00076 mg/L	0.000103	13.54%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated						
Molybdenum,7439-98-7†	5.1	0.00124 mg/L	0.000690	0.00124 mg/L	0.000690	55.65%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated						
Nickel,7440-02-0†	11.3	0.00042 mg/L	0.000571	0.00042 mg/L	0.000571	137.34%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated						
Potassium,7440-09-7†	30.9	0.00924 mg/L	0.016404	0.00924 mg/L	0.016404	177.45%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated						
Selenium,7782-49-2†	-5.9	-0.01340 mg/L	0.001586	-0.01340 mg/L	0.001586	11.83%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated						
Silicon,7440-21-3†	15.8	0.00338 mg/L	0.001587	0.00338 mg/L	0.001587	46.94%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated						
Silver,7440-22-4†	-50.0	-0.00019 mg/L	0.000487	-0.00019 mg/L	0.000487	250.43%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated						
Sodium,7440-23-5†	-1529.9	-0.30570 mg/L	0.028332	-0.30570 mg/L	0.028332	9.27%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated						
Strontium,7440-24-6†	-13.4	-0.00002 mg/L	0.000208	-0.00002 mg/L	0.000208	864.00%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated						
Thallium,7440-28-0†	4.0	0.00682 mg/L	0.005782	0.00682 mg/L	0.005782	84.77%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated						
Tin,7440-31-5†	-5.0	-0.00406 mg/L	0.000386	-0.00406 mg/L	0.000386	9.52%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6†	399.2	0.00064 mg/L	0.000158	0.00064 mg/L	0.000158	24.94%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2†	13.9	0.00016 mg/L	0.000714	0.00016 mg/L	0.000714	440.62%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6†	-14.6	-0.00064 mg/L	0.000070	-0.00064 mg/L	0.000070	10.95%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7†	151.3	0.00031 mg/L	0.000120	0.00031 mg/L	0.000120	38.91%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

All analyte(s) passed QC.

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Sequence No.: 6 **Autosampler Location: 3**
Sample ID: 2300 **Date Collected: 6/10/2008 10:15:17 AM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:51:29 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 2300

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Scandium-IS	3639756.4	104.251	%	0.4512				0.43%
Yttrium,7440-65-5A	2038984.7	104.156	%	0.4410				0.42%
Yttrium,7440-65-5R	245635.1	104.700	%	1.5274				1.46%

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Ar 420.067 R	2080202.8	100.314 %	0.5005				0.50%
Ar 363.268 A	43201.1	99.3846 %	0.16897				0.17%
Aluminum,7429-90-5†	362.0	0.20837 mg/L	0.007218	0.20837	mg/L	0.007218	3.46%
QC value within limits for Aluminum,7429-90-5 Recovery = 104.19%							
Antimony,7440-36-0†	25.3	0.05873 mg/L	0.003284	0.05873	mg/L	0.003284	5.59%
QC value within limits for Antimony,7440-36-0 Recovery = 97.88%							
Arsenic,7440-38-2†	3.1	0.01119 mg/L	0.008216	0.01119	mg/L	0.008216	73.41%
QC value within limits for Arsenic,7440-38-2 Recovery = 111.93%							
Barium,7440-39-3†	639.6	0.00965 mg/L	0.000083	0.00965	mg/L	0.000083	0.86%
QC value within limits for Barium,7440-39-3 Recovery = 96.48%							
Beryllium,7440-41-7†	17886.5	0.00514 mg/L	0.000030	0.00514	mg/L	0.000030	0.59%
QC value within limits for Beryllium,7440-41-7 Recovery = 102.75%							
Boron,7440-42-8†	22294.0	0.39516 mg/L	0.003859	0.39516	mg/L	0.003859	0.98%
QC value within limits for Boron,7440-42-8 Recovery = 79.03%							
Cadmium,7440-43-9†	165.7	0.00468 mg/L	0.000036	0.00468	mg/L	0.000036	0.77%
QC value within limits for Cadmium,7440-43-9 Recovery = 93.62%							
Calcium,7440-70-2†	1142.3	0.09358 mg/L	0.003252	0.09358	mg/L	0.003252	3.48%
QC value within limits for Calcium,7440-70-2 Recovery = 93.58%							
Chromium,7440-47-3†	678.2	0.00848 mg/L	0.000264	0.00848	mg/L	0.000264	3.11%
QC value within limits for Chromium,7440-47-3 Recovery = 84.85%							
Cobalt,7440-48-4†	161.9	0.00946 mg/L	0.000120	0.00946	mg/L	0.000120	1.27%
QC value within limits for Cobalt,7440-48-4 Recovery = 94.56%							
Copper,7440-50-8†	976.8	0.00492 mg/L	0.000064	0.00492	mg/L	0.000064	1.30%
QC value less than the lower limit for Copper,7440-50-8 Recovery = 49.25%							
Iron,7439-89-6†	1078.8	0.08996 mg/L	0.000458	0.08996	mg/L	0.000458	0.51%
QC value within limits for Iron,7439-89-6 Recovery = 89.96%							
Lead,7439-92-1†	63.8	0.01369 mg/L	0.000391	0.01369	mg/L	0.000391	2.86%
QC value within limits for Lead,7439-92-1 Recovery = 91.26%							
Lithium,7439-93-2†	3292.4	0.04280 mg/L	0.001153	0.04280	mg/L	0.001153	2.69%
QC value within limits for Lithium,7439-93-2 Recovery = 85.60%							
Magnesium,7439-95-4†	212.8	0.08686 mg/L	0.004215	0.08686	mg/L	0.004215	4.85%
QC value within limits for Magnesium,7439-95-4 Recovery = 86.86%							
Manganese,7439-96-5†	7102.2	0.01373 mg/L	0.000198	0.01373	mg/L	0.000198	1.45%
QC value within limits for Manganese,7439-96-5 Recovery = 91.53%							
Molybdenum,7439-98-7†	213.3	0.05148 mg/L	0.002188	0.05148	mg/L	0.002188	4.25%
QC value within limits for Molybdenum,7439-98-7 Recovery = 102.97%							
Nickel,7440-02-0†	1079.9	0.03958 mg/L	0.000562	0.03958	mg/L	0.000562	1.42%
QC value within limits for Nickel,7440-02-0 Recovery = 98.96%							
Potassium,7440-09-7†	1668.5	0.49874 mg/L	0.038165	0.49874	mg/L	0.038165	7.65%
QC value within limits for Potassium,7440-09-7 Recovery = 99.75%							
Selenium,7782-49-2†	8.9	0.02025 mg/L	0.005875	0.02025	mg/L	0.005875	29.01%
QC value within limits for Selenium,7782-49-2 Recovery = 50.63%							
Silicon,7440-21-3†	-5.9	-0.00131 mg/L	0.003225	-0.00131	mg/L	0.003225	245.93%
Silver,7440-22-4†	2316.0	0.00927 mg/L	0.000475	0.00927	mg/L	0.000475	5.13%
QC value within limits for Silver,7440-22-4 Recovery = 92.70%							
Sodium,7440-23-5†	2972.2	0.60667 mg/L	0.033581	0.60667	mg/L	0.033581	5.54%
QC value within limits for Sodium,7440-23-5 Recovery = 60.67%							
Strontium,7440-24-6†	26375.3	0.04762 mg/L	0.000718	0.04762	mg/L	0.000718	1.51%
QC value within limits for Strontium,7440-24-6 Recovery = 95.24%							
Thallium,7440-28-0†	7.7	0.01384 mg/L	0.002050	0.01384	mg/L	0.002050	14.81%
QC value within limits for Thallium,7440-28-0 Recovery = 138.44%							
Tin,7440-31-5†	119.1	0.09707 mg/L	0.003976	0.09707	mg/L	0.003976	4.10%
QC value within limits for Tin,7440-31-5 Recovery = 97.07%							
Titanium,7440-32-6†	63222.9	0.10057 mg/L	0.000433	0.10057	mg/L	0.000433	0.43%
QC value within limits for Titanium,7440-32-6 Recovery = 100.57%							
Vanadium,7440-62-2†	1499.2	0.01798 mg/L	0.000728	0.01798	mg/L	0.000728	4.05%
QC value within limits for Vanadium,7440-62-2 Recovery = 89.88%							
Zinc,7440-66-6†	404.1	0.01738 mg/L	0.000047	0.01738	mg/L	0.000047	0.27%
QC value within limits for Zinc,7440-66-6 Recovery = 86.91%							
Zirconium,7440-67-7†	5244.6	0.01062 mg/L	0.000129	0.01062	mg/L	0.000129	1.21%

QC Failed. Continue with analysis.

Sequence No.: 7 **Autosampler Location: 4**
Sample ID: 2301 **Date Collected: 6/10/2008 10:22:34 AM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:51:31 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

171417

Mean Data: 2301

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3670198.2	105.123	%	0.4838				0.46%
Yttrium,7440-65-5A	2059561.9	105.208	%	0.4871				0.46%
Yttrium,7440-65-5R	246327.7	104.995	%	1.3067				1.24%
Ar 420.067 R	2085523.1	100.570	%	0.3844				0.38%
Ar 363.268 A	43256.4	99.5118	%	0.19099				0.19%
Aluminum,7429-90-5†	144.8	0.08340	mg/L	0.002458	0.08340	mg/L	0.002458	2.95%
Antimony,7440-36-0†	-2.6	-0.00591	mg/L	0.003568	-0.00591	mg/L	0.003568	60.34%
Arsenic,7440-38-2†	-2.1	-0.00761	mg/L	0.011979	-0.00761	mg/L	0.011979	157.44%
Barium,7440-39-3†	360.9	0.00545	mg/L	0.000128	0.00545	mg/L	0.000128	2.35%
QC value within limits for Barium,7440-39-3 Recovery = 109.02%								
Beryllium,7440-41-7†	3049.1	0.00080	mg/L	0.000019	0.00080	mg/L	0.000019	2.37%
QC value within limits for Beryllium,7440-41-7 Recovery = 99.93%								
Boron,7440-42-8†	-601.8	-0.01067	mg/L	0.001025	-0.01067	mg/L	0.001025	9.61%
Cadmium,7440-43-9†	5.6	0.00016	mg/L	0.000152	0.00016	mg/L	0.000152	96.84%
QC value within limits for Cadmium,7440-43-9 Recovery = 78.31%								
Calcium,7440-70-2†	510.1	0.04181	mg/L	0.001913	0.04181	mg/L	0.001913	4.57%
QC value within limits for Calcium,7440-70-2 Recovery = 83.62%								
Chromium,7440-47-3†	88.6	0.00111	mg/L	0.000393	0.00111	mg/L	0.000393	35.43%
QC value within limits for Chromium,7440-47-3 Recovery = 55.45%								
Cobalt,7440-48-4†	13.5	0.00080	mg/L	0.000114	0.00080	mg/L	0.000114	14.22%
QC value within limits for Cobalt,7440-48-4 Recovery = 80.31%								
Copper,7440-50-8†	638.5	0.00319	mg/L	0.000189	0.00319	mg/L	0.000189	5.93%
QC value within limits for Copper,7440-50-8 Recovery = 63.70%								
Iron,7439-89-6†	466.1	0.03886	mg/L	0.000799	0.03886	mg/L	0.000799	2.06%
QC value within limits for Iron,7439-89-6 Recovery = 97.15%								
Lead,7439-92-1†	10.5	0.00225	mg/L	0.001918	0.00225	mg/L	0.001918	85.20%
QC value within limits for Lead,7439-92-1 Recovery = 75.05%								
Lithium,7439-93-2†	-534.9	-0.00695	mg/L	0.000485	-0.00695	mg/L	0.000485	6.97%
Magnesium,7439-95-4†	94.9	0.03857	mg/L	0.003745	0.03857	mg/L	0.003745	9.71%
QC value within limits for Magnesium,7439-95-4 Recovery = 77.14%								
Manganese,7439-96-5†	5204.2	0.01010	mg/L	0.000071	0.01010	mg/L	0.000071	0.70%
QC value within limits for Manganese,7439-96-5 Recovery = 101.01%								
Molybdenum,7439-98-7†	85.7	0.02069	mg/L	0.001565	0.02069	mg/L	0.001565	7.57%
QC value within limits for Molybdenum,7439-98-7 Recovery = 103.44%								
Nickel,7440-02-0†	169.4	0.00622	mg/L	0.000347	0.00622	mg/L	0.000347	5.58%
QC value within limits for Nickel,7440-02-0 Recovery = 124.31%								
Potassium,7440-09-7†	208.5	0.06231	mg/L	0.012137	0.06231	mg/L	0.012137	19.48%
QC value within limits for Potassium,7440-09-7 Recovery = 124.61%								
Selenium,7782-49-2†	-3.7	-0.00834	mg/L	0.021414	-0.00834	mg/L	0.021414	256.67%
Silicon,7440-21-3†	-8.5	-0.00183	mg/L	0.001945	-0.00183	mg/L	0.001945	106.00%
Silver,7440-22-4†	367.1	0.00149	mg/L	0.000076	0.00149	mg/L	0.000076	5.07%
QC value within limits for Silver,7440-22-4 Recovery = 74.51%								
Sodium,7440-23-5†	-1817.6	-0.36176	mg/L	0.016367	-0.36176	mg/L	0.016367	4.52%
Strontium,7440-24-6†	5847.8	0.01056	mg/L	0.000236	0.01056	mg/L	0.000236	2.23%
QC value within limits for Strontium,7440-24-6 Recovery = 105.57%								
Thallium,7440-28-0†	-0.3	-0.00048	mg/L	0.007045	-0.00048	mg/L	0.007045	>999.9%
Tin,7440-31-5†	23.8	0.01930	mg/L	0.001234	0.01930	mg/L	0.001234	6.40%
QC value within limits for Tin,7440-31-5 Recovery = 77.19%								
Titanium,7440-32-6†	392.0	0.00062	mg/L	0.000405	0.00062	mg/L	0.000405	65.14%
Vanadium,7440-62-2†	420.4	0.00503	mg/L	0.000653	0.00503	mg/L	0.000653	13.00%
QC value within limits for Vanadium,7440-62-2 Recovery = 100.56%								
Zinc,7440-66-6†	296.9	0.01291	mg/L	0.000229	0.01291	mg/L	0.000229	1.77%
QC value within limits for Zinc,7440-66-6 Recovery = 129.08%								
Zirconium,7440-67-7†	160.8	0.00033	mg/L	0.000294	0.00033	mg/L	0.000294	90.23%

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: 2000
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/10/2008 10:29:09 AM
Data Type: Reprocessed on 6/11/2008 9:51:32 AM

Initial Sample Vol:
Sample Prep Vol:

RL DTH 6/11/08

Mean Data: 2000

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD

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Scandium-IS	3261453.9	93.4156 %	0.34158				0.37%
Yttrium,7440-65-5A	1790685.9	91.4727 %	0.27786				0.30%
Yttrium,7440-65-5R	228058.0	97.2081 %	0.18793				0.19%
Ar 420.067 R	1986121.6	95.7769 %	0.31887				0.33%
Ar 363.268 A	41406.3	95.2557 %	0.30178				0.32%
Aluminum,7429-90-5†	363465.7	209.467 mg/L	0.2538	209.467 mg/L	0.2538		0.12%
QC value within limits for Aluminum,7429-90-5 Recovery = 104.73%							
Antimony,7440-36-0†	-49.7	0.04034 mg/L	0.022367	0.04034 mg/L	0.022367		55.45%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated							
Arsenic,7440-38-2†	30.7	-0.00980 mg/L	0.009576	-0.00980 mg/L	0.009576		97.67%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated							
Barium,7440-39-3†	201.7	-0.00106 mg/L	0.000143	-0.00106 mg/L	0.000143		13.47%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated							
Beryllium,7440-41-7†	-1984.8	-0.00052 mg/L	0.000012	-0.00052 mg/L	0.000012		2.31%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated							
Boron,7440-42-8†	17339.9	0.31400 mg/L	0.003188	0.31400 mg/L	0.003188		1.02%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated							
Cadmium,7440-43-9†	-146.1	-0.00529 mg/L	0.000315	-0.00529 mg/L	0.000315		5.95%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated							
Calcium,7440-70-2†	2486698.1	203.856 mg/L	0.3111	203.856 mg/L	0.3111		0.15%
QC value within limits for Calcium,7440-70-2 Recovery = 101.93%							
Chromium,7440-47-3†	587.6	0.00720 mg/L	0.000283	0.00720 mg/L	0.000283		3.93%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated							
Cobalt,7440-48-4†	13.4	0.00059 mg/L	0.000135	0.00059 mg/L	0.000135		22.77%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated							
Copper,7440-50-8†	-2669.5	-0.00776 mg/L	0.000232	-0.00776 mg/L	0.000232		2.99%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated							
Iron,7439-89-6†	983605.6	81.9930 mg/L	0.09813	81.9930 mg/L	0.09813		0.12%
QC value within limits for Iron,7439-89-6 Recovery = 102.49%							
Lead,7439-92-1†	-114.7	-0.01143 mg/L	0.002336	-0.01143 mg/L	0.002336		20.44%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated							
Lithium,7439-93-2†	-317.3	-0.00306 mg/L	0.000223	-0.00306 mg/L	0.000223		7.29%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated							
Magnesium,7439-95-4†	496227.3	201.815 mg/L	0.4371	201.815 mg/L	0.4371		0.22%
QC value within limits for Magnesium,7439-95-4 Recovery = 100.91%							
Manganese,7439-96-5†	819.7	-0.00320 mg/L	0.000118	-0.00320 mg/L	0.000118		3.68%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated							
Molybdenum,7439-98-7†	19.3	0.00945 mg/L	0.002198	0.00945 mg/L	0.002198		23.25%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated							
Nickel,7440-02-0†	-32.4	0.00070 mg/L	0.000341	0.00070 mg/L	0.000341		48.98%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated							
Potassium,7440-09-7†	-436.4	-0.12999 mg/L	0.029880	-0.12999 mg/L	0.029880		22.99%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated							
Selenium,7782-49-2†	-0.2	0.03481 mg/L	0.012687	0.03481 mg/L	0.012687		36.44%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated							
Silicon,7440-21-3†	167.8	0.00232 mg/L	0.000645	0.00232 mg/L	0.000645		27.77%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated							
Silver,7440-22-4†	-2687.4	-0.01199 mg/L	0.000218	-0.01199 mg/L	0.000218		1.82%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated							
Sodium,7440-23-5†	-1334.8	-0.70962 mg/L	0.009432	-0.70962 mg/L	0.009432		1.33%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated							
Strontium,7440-24-6†	702.8	-0.00462 mg/L	0.000158	-0.00462 mg/L	0.000158		3.43%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated							
Thallium,7440-28-0†	35.1	0.00531 mg/L	0.008962	0.00531 mg/L	0.008962		168.76%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated							
Tin,7440-31-5†	-16.1	0.02656 mg/L	0.003786	0.02656 mg/L	0.003786		14.25%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated							
Titanium,7440-32-6†	636.5	0.00090 mg/L	0.000251	0.00090 mg/L	0.000251		27.84%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated							
Vanadium,7440-62-2†	-561.7	-0.03847 mg/L	0.001811	-0.03847 mg/L	0.001811		4.71%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated							
Zinc,7440-66-6†	-168.4	-0.02240 mg/L	0.000686	-0.02240 mg/L	0.000686		3.06%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated							
Zirconium,7440-67-7†	1467.8	-0.00003 mg/L	0.000115	-0.00003 mg/L	0.000115		342.14%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated							

All analyte(s) passed QC.

RR DJH 6/11/08

Sequence No.: 9 **Autosampler Location: 6**
Sample ID: 2100 **Date Collected: 6/10/2008 10:36:24 AM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:51:34 AM**

Logged In Analyst (Original) : met
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

DJH 6/11/08

Mean Data: 2100

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3254295.0	93.2106	%	0.59872				0.64%
Yttrium,7440-65-5A	1794761.4	91.6809	%	0.52510				0.57%
Yttrium,7440-65-5R	231338.7	98.6065	%	0.34941				0.35%
Ar 420.067 R	1994888.4	96.1996	%	0.17873				0.19%
Ar 363.268 A	41527.0	95.5333	%	0.20006				0.21%
Aluminum,7429-90-5†	361740.2	208.469	mg/L	1.7175	208.469	mg/L	1.7175	0.82%
QC value within limits for Aluminum,7429-90-5 Recovery = 104.23%								
Antimony,7440-36-0†	419.6	1.11722	mg/L	0.010736	1.11722	mg/L	0.010736	0.96%
QC value within limits for Antimony,7440-36-0 Recovery = 111.72%								
Arsenic,7440-38-2†	318.8	1.03301	mg/L	0.034633	1.03301	mg/L	0.034633	3.35%
QC value within limits for Arsenic,7440-38-2 Recovery = 103.30%								
Barium,7440-39-3†	34420.5	0.51585	mg/L	0.004016	0.51585	mg/L	0.004016	0.78%
QC value within limits for Barium,7440-39-3 Recovery = 103.17%								
Beryllium,7440-41-7†	2019454.9	0.52784	mg/L	0.000216	0.52784	mg/L	0.000216	0.04%
QC value within limits for Beryllium,7440-41-7 Recovery = 105.57%								
Boron,7440-42-8†	71123.7	1.26691	mg/L	0.009862	1.26691	mg/L	0.009862	0.78%
QC value greater than the upper limit for Boron,7440-42-8 Recovery = 126.69%								
Cadmium,7440-43-9†	35297.3	0.99778	mg/L	0.006720	0.99778	mg/L	0.006720	0.67%
QC value within limits for Cadmium,7440-43-9 Recovery = 99.78%								
Calcium,7440-70-2†	2469516.8	202.449	mg/L	1.3749	202.449	mg/L	1.3749	0.68%
QC value within limits for Calcium,7440-70-2 Recovery = 101.22%								
Chromium,7440-47-3†	41580.2	0.52102	mg/L	0.002778	0.52102	mg/L	0.002778	0.53%
QC value within limits for Chromium,7440-47-3 Recovery = 104.20%								
Cobalt,7440-48-4†	7969.4	0.47672	mg/L	0.002651	0.47672	mg/L	0.002651	0.56%
QC value within limits for Cobalt,7440-48-4 Recovery = 95.34%								
Copper,7440-50-8†	102730.8	0.51790	mg/L	0.001948	0.51790	mg/L	0.001948	0.38%
QC value within limits for Copper,7440-50-8 Recovery = 103.58%								
Iron,7439-89-6†	978661.6	81.5811	mg/L	0.62859	81.5811	mg/L	0.62859	0.77%
QC value within limits for Iron,7439-89-6 Recovery = 101.98%								
Lead,7439-92-1†	4534.5	0.99269	mg/L	0.009409	0.99269	mg/L	0.009409	0.95%
QC value within limits for Lead,7439-92-1 Recovery = 99.27%								
Lithium,7439-93-2†	-340.0	-0.00334	mg/L	0.003141	-0.00334	mg/L	0.003141	94.07%
Magnesium,7439-95-4†	494421.5	201.080	mg/L	1.4222	201.080	mg/L	1.4222	0.71%
QC value within limits for Magnesium,7439-95-4 Recovery = 100.54%								
Manganese,7439-96-5†	259252.3	0.49848	mg/L	0.002864	0.49848	mg/L	0.002864	0.57%
QC value within limits for Manganese,7439-96-5 Recovery = 99.70%								
Molybdenum,7439-98-7†	4292.4	1.04078	mg/L	0.006403	1.04078	mg/L	0.006403	0.62%
QC value within limits for Molybdenum,7439-98-7 Recovery = 104.08%								
Nickel,7440-02-0†	26541.3	0.97539	mg/L	0.011199	0.97539	mg/L	0.011199	1.15%
QC value within limits for Nickel,7440-02-0 Recovery = 97.54%								
Potassium,7440-09-7†	-408.4	-0.12373	mg/L	0.033211	-0.12373	mg/L	0.033211	26.84%
Selenium,7782-49-2†	469.8	1.10489	mg/L	0.019909	1.10489	mg/L	0.019909	1.80%
QC value within limits for Selenium,7782-49-2 Recovery = 110.49%								
Silicon,7440-21-3†	540.8	0.08158	mg/L	0.003452	0.08158	mg/L	0.003452	4.23%
Silver,7440-22-4†	278153.4	1.09553	mg/L	0.003545	1.09553	mg/L	0.003545	0.32%
QC value within limits for Silver,7440-22-4 Recovery = 109.55%								
Sodium,7440-23-5†	4582.9	0.64012	mg/L	0.002458	0.64012	mg/L	0.002458	0.38%
Strontium,7440-24-6†	734.0	-0.00455	mg/L	0.000129	-0.00455	mg/L	0.000129	2.83%
Thallium,7440-28-0†	649.3	1.05550	mg/L	0.009135	1.05550	mg/L	0.009135	0.87%
QC value within limits for Thallium,7440-28-0 Recovery = 105.55%								
Tin,7440-31-5†	-14.7	0.02749	mg/L	0.003407	0.02749	mg/L	0.003407	12.40%
Titanium,7440-32-6†	506.1	0.00046	mg/L	0.000180	0.00046	mg/L	0.000180	39.29%
Vanadium,7440-62-2†	42490.0	0.48072	mg/L	0.004253	0.48072	mg/L	0.004253	0.88%
QC value within limits for Vanadium,7440-62-2 Recovery = 96.14%								
Zinc,7440-66-6†	23839.6	1.01859	mg/L	0.006483	1.01859	mg/L	0.006483	0.64%
QC value within limits for Zinc,7440-66-6 Recovery = 101.86%								
Zirconium,7440-67-7†	1700.5	0.00033	mg/L	0.000356	0.00033	mg/L	0.000356	107.53%

QC Failed. Continue with analysis.

Sequence No.: 10 Autosampler Location: 5
Sample ID: 2000 Date Collected: 6/10/2008 10:48:36 AM
Analyst: Data Type: Reprocessed on 6/11/2008 9:51:37 AM

171420

Logged In Analyst (Original) : met
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: 2000

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3313201.8	94.8978	%	0.74623				0.79%
Yttrium,7440-65-5A	1823554.2	93.1517	%	0.73090				0.78%
Yttrium,7440-65-5R	232265.1	99.0014	%	0.11198				0.11%
Ar 420.067 R	1993848.7	96.1495	%	0.11702				0.12%
Ar 363.268 A	41348.4	95.1225	%	0.30545				0.32%
Aluminum,7429-90-5†	349664.4	201.513	mg/L	1.6239	201.513	mg/L	1.6239	0.81%
QC value within limits for Aluminum,7429-90-5 Recovery = 100.76%								
Antimony,7440-36-0†	-46.0	0.04361	mg/L	0.009263	0.04361	mg/L	0.009263	21.24%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	28.7	-0.01270	mg/L	0.022647	-0.01270	mg/L	0.022647	178.29%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	196.7	-0.00099	mg/L	0.000219	-0.00099	mg/L	0.000219	22.09%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-1807.9	-0.00047	mg/L	0.000032	-0.00047	mg/L	0.000032	6.76%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	16499.1	0.29886	mg/L	0.005143	0.29886	mg/L	0.005143	1.72%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-131.8	-0.00485	mg/L	0.000060	-0.00485	mg/L	0.000060	1.24%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	2402683.1	196.969	mg/L	1.6524	196.969	mg/L	1.6524	0.84%
QC value within limits for Calcium,7440-70-2 Recovery = 98.48%								
Chromium,7440-47-3†	527.4	0.00647	mg/L	0.000140	0.00647	mg/L	0.000140	2.16%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	8.5	0.00031	mg/L	0.000288	0.00031	mg/L	0.000288	93.81%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-2476.4	-0.00698	mg/L	0.000356	-0.00698	mg/L	0.000356	5.10%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	950182.4	79.2068	mg/L	0.62700	79.2068	mg/L	0.62700	0.79%
QC value within limits for Iron,7439-89-6 Recovery = 99.01%								
Lead,7439-92-1†	-124.2	-0.00982	mg/L	0.003300	-0.00982	mg/L	0.003300	33.61%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-362.6	-0.00368	mg/L	0.001543	-0.00368	mg/L	0.001543	41.88%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	479746.9	195.112	mg/L	1.7186	195.112	mg/L	1.7186	0.88%
QC value within limits for Magnesium,7439-95-4 Recovery = 97.56%								
Manganese,7439-96-5†	-352.6	-0.00531	mg/L	0.000106	-0.00531	mg/L	0.000106	1.99%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	24.2	0.01044	mg/L	0.002902	0.01044	mg/L	0.002902	27.81%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-32.4	0.00064	mg/L	0.000229	0.00064	mg/L	0.000229	35.92%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	-220.6	-0.06549	mg/L	0.011094	-0.06549	mg/L	0.011094	16.94%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-4.8	0.02331	mg/L	0.023244	0.02331	mg/L	0.023244	99.72%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	132.1	-0.00417	mg/L	0.002872	-0.00417	mg/L	0.002872	68.80%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	-2688.4	-0.01197	mg/L	0.000397	-0.01197	mg/L	0.000397	3.32%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	-301.1	-0.48983	mg/L	0.057401	-0.48983	mg/L	0.057401	11.72%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	650.2	-0.00451	mg/L	0.000047	-0.00451	mg/L	0.000047	1.04%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	37.5	0.01136	mg/L	0.005072	0.01136	mg/L	0.005072	44.66%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	-16.4	0.02496	mg/L	0.002732	0.02496	mg/L	0.002732	10.95%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	755.4	0.00109	mg/L	0.000227	0.00109	mg/L	0.000227	20.74%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2†	-744.0	-0.03957	mg/L	0.000911	-0.03957	mg/L	0.000911	2.30%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated								
Zinc,7440-66-6†	-206.3	-0.02355	mg/L	0.000341	-0.02355	mg/L	0.000341	1.45%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated								

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Zirconium,7440-67-7† 1303.7 -0.00027 mg/L 0.000076 -0.00027 mg/L 0.000076 28.58%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location: 6**
Sample ID: 2100 **Date Collected: 6/10/2008 10:56:01 AM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:51:39 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	3325117.1	95.2391	%	0.26819				0.28%
Yttrium,7440-65-5A	1832681.7	93.6180	%	0.21667				0.23%
Yttrium,7440-65-5R	234413.9	99.9173	%	0.36124				0.36%
Ar 420.067 R	2004722.9	96.6739	%	0.23745				0.25%
Ar 363.268 A	41386.5	95.2100	%	0.45320				0.48%
Aluminum,7429-90-5†	349415.0	201.366	mg/L	0.3489	201.366	mg/L	0.3489	0.17%
QC value within limits for Aluminum,7429-90-5 Recovery = 100.68%								
Antimony,7440-36-0†	404.5	1.07815	mg/L	0.013557	1.07815	mg/L	0.013557	1.26%
QC value within limits for Antimony,7440-36-0 Recovery = 107.82%								
Arsenic,7440-38-2†	307.3	0.99539	mg/L	0.023237	0.99539	mg/L	0.023237	2.33%
QC value within limits for Arsenic,7440-38-2 Recovery = 99.54%								
Barium,7440-39-3†	32947.2	0.49372	mg/L	0.001949	0.49372	mg/L	0.001949	0.39%
QC value within limits for Barium,7440-39-3 Recovery = 98.74%								
Beryllium,7440-41-7†	1974642.3	0.51614	mg/L	0.000490	0.51614	mg/L	0.000490	0.09%
QC value within limits for Beryllium,7440-41-7 Recovery = 103.23%								
Boron,7440-42-8†	67513.1	1.20271	mg/L	0.007595	1.20271	mg/L	0.007595	0.63%
QC value within limits for Boron,7440-42-8 Recovery = 120.27%								
Cadmium,7440-43-9†	33847.5	0.95678	mg/L	0.004938	0.95678	mg/L	0.004938	0.52%
QC value within limits for Cadmium,7440-43-9 Recovery = 95.68%								
Calcium,7440-70-2†	2397032.6	196.507	mg/L	0.5069	196.507	mg/L	0.5069	0.26%
QC value within limits for Calcium,7440-70-2 Recovery = 98.25%								
Chromium,7440-47-3†	39706.8	0.49756	mg/L	0.002070	0.49756	mg/L	0.002070	0.42%
QC value within limits for Chromium,7440-47-3 Recovery = 99.51%								
Cobalt,7440-48-4†	7721.9	0.46192	mg/L	0.000455	0.46192	mg/L	0.000455	0.10%
QC value within limits for Cobalt,7440-48-4 Recovery = 92.38%								
Copper,7440-50-8†	98227.4	0.49527	mg/L	0.002201	0.49527	mg/L	0.002201	0.44%
QC value within limits for Copper,7440-50-8 Recovery = 99.05%								
Iron,7439-89-6†	949869.4	79.1810	mg/L	0.20257	79.1810	mg/L	0.20257	0.26%
QC value within limits for Iron,7439-89-6 Recovery = 98.98%								
Lead,7439-92-1†	4397.8	0.96269	mg/L	0.001950	0.96269	mg/L	0.001950	0.20%
QC value within limits for Lead,7439-92-1 Recovery = 96.27%								
Lithium,7439-93-2†	-331.8	-0.00327	mg/L	0.001282	-0.00327	mg/L	0.001282	39.27%
Magnesium,7439-95-4†	480751.2	195.520	mg/L	0.7317	195.520	mg/L	0.7317	0.37%
QC value within limits for Magnesium,7439-95-4 Recovery = 97.76%								
Manganese,7439-96-5†	247497.9	0.47581	mg/L	0.001888	0.47581	mg/L	0.001888	0.40%
QC value within limits for Manganese,7439-96-5 Recovery = 95.16%								
Molybdenum,7439-98-7†	4148.2	1.00579	mg/L	0.004259	1.00579	mg/L	0.004259	0.42%
QC value within limits for Molybdenum,7439-98-7 Recovery = 100.58%								
Nickel,7440-02-0†	25473.1	0.93616	mg/L	0.003486	0.93616	mg/L	0.003486	0.37%
QC value within limits for Nickel,7440-02-0 Recovery = 93.62%								
Potassium,7440-09-7†	-143.1	-0.04432	mg/L	0.014486	-0.04432	mg/L	0.014486	32.68%
Selenium,7782-49-2†	461.0	1.08388	mg/L	0.027725	1.08388	mg/L	0.027725	2.56%
QC value within limits for Selenium,7782-49-2 Recovery = 108.39%								
Silicon,7440-21-3†	504.0	0.07470	mg/L	0.002214	0.07470	mg/L	0.002214	2.96%
Silver,7440-22-4†	266089.4	1.04804	mg/L	0.003508	1.04804	mg/L	0.003508	0.33%
QC value within limits for Silver,7440-22-4 Recovery = 104.80%								
Sodium,7440-23-5†	4149.9	0.55801	mg/L	0.015426	0.55801	mg/L	0.015426	2.76%
Strontium,7440-24-6†	695.4	-0.00444	mg/L	0.000097	-0.00444	mg/L	0.000097	2.18%
Thallium,7440-28-0†	630.0	1.02397	mg/L	0.003910	1.02397	mg/L	0.003910	0.38%
QC value within limits for Thallium,7440-28-0 Recovery = 102.40%								
Tin,7440-31-5†	-17.1	0.02440	mg/L	0.006702	0.02440	mg/L	0.006702	27.47%
Titanium,7440-32-6†	542.7	0.00053	mg/L	0.000113	0.00053	mg/L	0.000113	21.43%
Vanadium,7440-62-2†	40953.7	0.46312	mg/L	0.004027	0.46312	mg/L	0.004027	0.87%
QC value within limits for Vanadium,7440-62-2 Recovery = 92.62%								
Zinc,7440-66-6†	22761.4	0.97224	mg/L	0.003174	0.97224	mg/L	0.003174	0.33%

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QC value within limits for Zinc,7440-66-6 Recovery = 97.22%
Zirconium,7440-67-7† 1524.7 0.00007 mg/L 0.000226 0.00007 mg/L 0.000226 342.83%
All analyte(s) passed QC.

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Sequence No.: 12 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 6/10/2008 11:03:06 AM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:51:40 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	3553825.5	101.790	%	0.5827				0.57%
Yttrium,7440-65-5A	1991498.8	101.731	%	0.4948				0.49%
Yttrium,7440-65-5R	246166.6	104.927	%	1.2810				1.22%
Ar 420.067 R	2086974.8	100.640	%	0.3884				0.39%
Ar 363.268 A	42502.5	97.7774	%	0.48578				0.50%
Aluminum,7429-90-5†	8899.7	5.12481	mg/L	0.067163	5.12481	mg/L	0.067163	1.31%
QC value within limits for Aluminum,7429-90-5 Recovery = 102.50%								
Antimony,7440-36-0†	223.8	0.52722	mg/L	0.010095	0.52722	mg/L	0.010095	1.91%
QC value within limits for Antimony,7440-36-0 Recovery = 105.44%								
Arsenic,7440-38-2†	141.3	0.50821	mg/L	0.014763	0.50821	mg/L	0.014763	2.90%
QC value within limits for Arsenic,7440-38-2 Recovery = 101.64%								
Barium,7440-39-3†	34408.2	0.51960	mg/L	0.005201	0.51960	mg/L	0.005201	1.00%
QC value within limits for Barium,7440-39-3 Recovery = 103.92%								
Beryllium,7440-41-7†	1938707.2	0.50907	mg/L	0.001652	0.50907	mg/L	0.001652	0.32%
QC value within limits for Beryllium,7440-41-7 Recovery = 101.81%								
Boron,7440-42-8†	132200.1	2.34352	mg/L	0.010231	2.34352	mg/L	0.010231	0.44%
QC value within limits for Boron,7440-42-8 Recovery = 93.74%								
Cadmium,7440-43-9†	18428.1	0.52121	mg/L	0.005337	0.52121	mg/L	0.005337	1.02%
QC value within limits for Cadmium,7440-43-9 Recovery = 104.24%								
Calcium,7440-70-2†	64111.4	5.25676	mg/L	0.055459	5.25676	mg/L	0.055459	1.05%
QC value within limits for Calcium,7440-70-2 Recovery = 105.14%								
Chromium,7440-47-3†	41377.6	0.51913	mg/L	0.005353	0.51913	mg/L	0.005353	1.03%
QC value within limits for Chromium,7440-47-3 Recovery = 103.83%								
Cobalt,7440-48-4†	8713.4	0.52042	mg/L	0.004980	0.52042	mg/L	0.004980	0.96%
QC value within limits for Cobalt,7440-48-4 Recovery = 104.08%								
Copper,7440-50-8†	103667.3	0.51781	mg/L	0.004176	0.51781	mg/L	0.004176	0.81%
QC value within limits for Copper,7440-50-8 Recovery = 103.56%								
Iron,7439-89-6†	62648.7	5.22283	mg/L	0.053148	5.22283	mg/L	0.053148	1.02%
QC value within limits for Iron,7439-89-6 Recovery = 104.46%								
Lead,7439-92-1†	2389.5	0.51454	mg/L	0.006499	0.51454	mg/L	0.006499	1.26%
QC value within limits for Lead,7439-92-1 Recovery = 102.91%								
Lithium,7439-93-2†	39371.7	0.51188	mg/L	0.004820	0.51188	mg/L	0.004820	0.94%
QC value within limits for Lithium,7439-93-2 Recovery = 102.38%								
Magnesium,7439-95-4†	12913.8	5.25355	mg/L	0.053418	5.25355	mg/L	0.053418	1.02%
QC value within limits for Magnesium,7439-95-4 Recovery = 105.07%								
Manganese,7439-96-5†	263708.2	0.51150	mg/L	0.005000	0.51150	mg/L	0.005000	0.98%
QC value within limits for Manganese,7439-96-5 Recovery = 102.30%								
Molybdenum,7439-98-7†	2141.6	0.51696	mg/L	0.005200	0.51696	mg/L	0.005200	1.01%
QC value within limits for Molybdenum,7439-98-7 Recovery = 103.39%								
Nickel,7440-02-0†	14309.7	0.52486	mg/L	0.005106	0.52486	mg/L	0.005106	0.97%
QC value within limits for Nickel,7440-02-0 Recovery = 104.97%								
Potassium,7440-09-7†	34054.3	10.1789	mg/L	0.14181	10.1789	mg/L	0.14181	1.39%
QC value within limits for Potassium,7440-09-7 Recovery = 101.79%								
Selenium,7782-49-2†	217.3	0.49785	mg/L	0.005835	0.49785	mg/L	0.005835	1.17%
QC value within limits for Selenium,7782-49-2 Recovery = 99.57%								
Silicon,7440-21-3†	18552.4	3.97065	mg/L	0.034157	3.97065	mg/L	0.034157	0.86%
QC value less than the lower limit for Silicon,7440-21-3 Recovery = 79.41%								
Silver,7440-22-4†	130968.4	0.51918	mg/L	0.004948	0.51918	mg/L	0.004948	0.95%
QC value within limits for Silver,7440-22-4 Recovery = 103.84%								
Sodium,7440-23-5†	101152.9	20.3299	mg/L	0.15128	20.3299	mg/L	0.15128	0.74%
QC value within limits for Sodium,7440-23-5 Recovery = 101.65%								
Strontium,7440-24-6†	285995.2	0.51620	mg/L	0.006573	0.51620	mg/L	0.006573	1.27%
QC value within limits for Strontium,7440-24-6 Recovery = 103.24%								
Thallium,7440-28-0†	306.7	0.52658	mg/L	0.012853	0.52658	mg/L	0.012853	2.44%
QC value within limits for Thallium,7440-28-0 Recovery = 105.32%								

Tin,7440-31-5†	628.6	0.51337 mg/L	0.005592	0.51337 mg/L	0.005592	1.09%
QC value within limits for Tin,7440-31-5 Recovery = 102.67%						
Titanium,7440-32-6†	318448.0	0.50638 mg/L	0.001783	0.50638 mg/L	0.001783	0.35%
QC value within limits for Titanium,7440-32-6 Recovery = 101.28%						
Vanadium,7440-62-2†	42790.9	0.51361 mg/L	0.002036	0.51361 mg/L	0.002036	0.40%
QC value within limits for Vanadium,7440-62-2 Recovery = 102.72%						
Zinc,7440-66-6†	11963.0	0.51719 mg/L	0.004643	0.51719 mg/L	0.004643	0.90%
QC value within limits for Zinc,7440-66-6 Recovery = 103.44%						
Zirconium,7440-67-7†	249206.9	0.50830 mg/L	0.004266	0.50830 mg/L	0.004266	0.84%
QC value within limits for Zirconium,7440-67-7 Recovery = 101.66%						

QC Failed. Continue with analysis.

Sequence No.: 13 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 6/10/2008 11:09:45 AM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:51:42 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	3652234.0	104.608	%	0.5808				0.56%
Yttrium,7440-65-5A	2048897.7	104.663	%	0.5624				0.54%
Yttrium,7440-65-5R	250571.6	106.804	%	0.8480				0.79%
Ar 420.067 R	2081815.5	100.391	%	0.5212				0.52%
Ar 363.268 A	43057.6	99.0544	%	0.31683				0.32%
Aluminum,7429-90-5†	30.7	0.01771	mg/L	0.011795	0.01771	mg/L	0.011795	66.58%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	-0.9	-0.00207	mg/L	0.003854	-0.00207	mg/L	0.003854	185.97%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-3.0	-0.01085	mg/L	0.006554	-0.01085	mg/L	0.006554	60.38%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	13.3	0.00020	mg/L	0.000133	0.00020	mg/L	0.000133	65.95%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	168.3	0.00005	mg/L	0.000014	0.00005	mg/L	0.000014	29.33%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	-1244.7	-0.02206	mg/L	0.002147	-0.02206	mg/L	0.002147	9.73%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	0.1	0.00000	mg/L	0.000151	0.00000	mg/L	0.000151	>999.9%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-50.2	-0.00412	mg/L	0.001674	-0.00412	mg/L	0.001674	40.64%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-73.7	-0.00092	mg/L	0.000504	-0.00092	mg/L	0.000504	54.53%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	-2.2	-0.00013	mg/L	0.000222	-0.00013	mg/L	0.000222	166.25%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-26.3	-0.00013	mg/L	0.000311	-0.00013	mg/L	0.000311	238.46%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	63.5	0.00529	mg/L	0.002071	0.00529	mg/L	0.002071	39.14%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-2.5	-0.00053	mg/L	0.001529	-0.00053	mg/L	0.001529	288.73%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-495.4	-0.00644	mg/L	0.001463	-0.00644	mg/L	0.001463	22.72%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	-26.9	-0.01095	mg/L	0.004240	-0.01095	mg/L	0.004240	38.72%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	-447.4	-0.00087	mg/L	0.000021	-0.00087	mg/L	0.000021	2.39%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	0.5	0.00011	mg/L	0.001442	0.00011	mg/L	0.001442	>999.9%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	2.0	0.00007	mg/L	0.000482	0.00007	mg/L	0.000482	646.02%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	80.5	0.02407	mg/L	0.036481	0.02407	mg/L	0.036481	151.54%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-12.9	-0.02942	mg/L	0.010416	-0.02942	mg/L	0.010416	35.40%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	-23.8	-0.00510	mg/L	0.002588	-0.00510	mg/L	0.002588	50.80%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								

Silver,7440-22-4†	-113.8	-0.00045 mg/L	0.000059	-0.00045 mg/L	0.000059	13.32%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated						
Sodium,7440-23-5†	-2221.3	-0.44403 mg/L	0.017486	-0.44403 mg/L	0.017486	3.94%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated						
Strontium,7440-24-6†	-9.9	-0.00002 mg/L	0.000082	-0.00002 mg/L	0.000082	461.83%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated						
Thallium,7440-28-0†	6.3	0.01081 mg/L	0.009683	0.01081 mg/L	0.009683	89.57%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated						
Tin,7440-31-5†	-8.4	-0.00680 mg/L	0.001091	-0.00680 mg/L	0.001091	16.04%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6†	283.0	0.00045 mg/L	0.000191	0.00045 mg/L	0.000191	42.42%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2†	8.6	0.00009 mg/L	0.000058	0.00009 mg/L	0.000058	61.55%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6†	-24.4	-0.00106 mg/L	0.000271	-0.00106 mg/L	0.000271	25.51%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7†	194.7	0.00040 mg/L	0.000251	0.00040 mg/L	0.000251	63.28%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 14 **Autosampler Location: 17**
Sample ID: 611565 **Date Collected: 6/10/2008 11:19:56 AM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:51:43 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 50 mL**

Mean Data: 611565

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3822830.3	109.495	%	0.5889				0.54%
Yttrium,7440-65-5A	2130079.7	108.810	%	0.5381				0.49%
Yttrium,7440-65-5R	251626.7	107.254	%	0.6956				0.65%
Ar 420.067 R	2118554.3	102.163	%	0.3958				0.39%
Ar 363.268 A	43346.9	99.7200	%	0.14010				0.14%
Aluminum,7429-90-5†	63.9	0.03681	mg/L	0.007275	1.47221	mg/kg	0.291002	19.77%
Antimony,7440-36-0†	-4.6	-0.01066	mg/L	0.011394	-0.42626	mg/kg	0.455745	106.92%
Arsenic,7440-38-2†	-2.8	-0.01025	mg/L	0.007570	-0.40995	mg/kg	0.302810	73.87%
Barium,7440-39-3†	41.4	0.00063	mg/L	0.000015	0.02505	mg/kg	0.000610	2.43%
Beryllium,7440-41-7†	163.6	0.00005	mg/L	0.000058	0.00186	mg/kg	0.002315	124.26%
Boron,7440-42-8†	-2391.9	-0.04240	mg/L	0.001720	-1.69595	mg/kg	0.068781	4.06%
Cadmium,7440-43-9†	5.6	0.00016	mg/L	0.000010	0.00638	mg/kg	0.000402	6.30%
Calcium,7440-70-2†	983.5	0.08062	mg/L	0.001056	3.22475	mg/kg	0.042224	1.31%
Chromium,7440-47-3†	-182.5	-0.00229	mg/L	0.000058	-0.09169	mg/kg	0.002338	2.55%
Cobalt,7440-48-4†	-4.0	-0.00024	mg/L	0.000286	-0.00958	mg/kg	0.011449	119.48%
Copper,7440-50-8†	-769.0	-0.00384	mg/L	0.000067	-0.15354	mg/kg	0.002687	1.75%
Iron,7439-89-6†	-293.4	-0.02446	mg/L	0.000908	-0.97823	mg/kg	0.036328	3.71%
Lead,7439-92-1†	-11.4	-0.00245	mg/L	0.000718	-0.09795	mg/kg	0.028740	29.34%
Lithium,7439-93-2†	-757.2	-0.00984	mg/L	0.000989	-0.39371	mg/kg	0.039553	10.05%
Magnesium,7439-95-4†	-50.5	-0.02052	mg/L	0.003282	-0.82096	mg/kg	0.131264	15.99%
Manganese,7439-96-5†	-1837.8	-0.00357	mg/L	0.000043	-0.14271	mg/kg	0.001736	1.22%
Molybdenum,7439-98-7†	1.1	0.00027	mg/L	0.001603	0.01083	mg/kg	0.064125	592.22%
Nickel,7440-02-0†	3.9	0.00014	mg/L	0.000275	0.00570	mg/kg	0.011004	193.11%
Potassium,7440-09-7†	222.4	0.06650	mg/L	0.027161	2.65998	mg/kg	1.086457	40.84%
Selenium,7782-49-2†	-6.5	-0.01481	mg/L	0.002239	-0.59257	mg/kg	0.089544	15.11%
Silicon,7440-21-3†	-35.4	-0.00758	mg/L	0.001727	-0.30323	mg/kg	0.069068	22.78%
Silver,7440-22-4†	-559.4	-0.00221	mg/L	0.000371	-0.08838	mg/kg	0.014822	16.77%
Sodium,7440-23-5†	-2524.0	-0.50434	mg/L	0.016050	-20.1736	mg/kg	0.64199	3.18%
Strontium,7440-24-6†	32.4	0.00006	mg/L	0.000100	0.00225	mg/kg	0.003983	176.77%
Thallium,7440-28-0†	1.3	0.00219	mg/L	0.003436	0.08756	mg/kg	0.137447	156.98%
Tin,7440-31-5†	7.0	0.00572	mg/L	0.000900	0.22860	mg/kg	0.036007	15.75%
Titanium,7440-32-6†	361.9	0.00058	mg/L	0.000138	0.02306	mg/kg	0.005524	23.95%
Vanadium,7440-62-2†	-115.5	-0.00139	mg/L	0.000482	-0.05551	mg/kg	0.019263	34.70%
Zinc,7440-66-6†	57.1	0.00250	mg/L	0.000212	0.10015	mg/kg	0.008491	8.48%
Zirconium,7440-67-7†	141.3	0.00029	mg/L	0.000211	0.01157	mg/kg	0.008459	73.09%

Sequence No.: 15 **Autosampler Location: 18**
Sample ID: 611566 **Date Collected: 6/10/2008 11:27:08 AM**

171425

Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Data Type: Reprocessed on 6/11/2008 9:51:44 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 611566

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3621992.1	103.742	%	0.5375				0.52%
Yttrium,7440-65-5A	2024559.6	103.420	%	0.5486				0.53%
Yttrium,7440-65-5R	248413.7	105.885	%	0.3754				0.35%
Ar 420.067 R	2115887.0	102.035	%	0.0966				0.09%
Ar 363.268 A	42895.5	98.6815	%	0.27641				0.28%
Aluminum,7429-90-5†	8419.4	4.84798	mg/L	0.037006	193.919	mg/kg	1.4802	0.76%
Antimony,7440-36-0†	224.4	0.52819	mg/L	0.001124	21.1274	mg/kg	0.04496	0.21%
Arsenic,7440-38-2†	136.2	0.49015	mg/L	0.008123	19.6060	mg/kg	0.32491	1.66%
Barium,7440-39-3†	33576.8	0.50703	mg/L	0.009060	20.2812	mg/kg	0.36240	1.79%
Beryllium,7440-41-7†	1848461.9	0.48544	mg/L	0.000391	19.4177	mg/kg	0.01564	0.08%
Boron,7440-42-8†	122313.1	2.16825	mg/L	0.038378	86.7299	mg/kg	1.53514	1.77%
Cadmium,7440-43-9†	17986.0	0.50870	mg/L	0.011196	20.3481	mg/kg	0.44783	2.20%
Calcium,7440-70-2†	68265.6	5.59731	mg/L	0.022261	223.892	mg/kg	0.8904	0.40%
Chromium,7440-47-3†	40887.2	0.51296	mg/L	0.009625	20.5183	mg/kg	0.38499	1.88%
Cobalt,7440-48-4†	8648.4	0.51654	mg/L	0.010468	20.6618	mg/kg	0.41874	2.03%
Copper,7440-50-8†	101198.2	0.50546	mg/L	0.009304	20.2186	mg/kg	0.37218	1.84%
Iron,7439-89-6†	59531.6	4.96299	mg/L	0.053511	198.520	mg/kg	2.1404	1.08%
Lead,7439-92-1†	2324.6	0.50057	mg/L	0.004434	20.0229	mg/kg	0.17736	0.89%
Lithium,7439-93-2†	36326.2	0.47229	mg/L	0.001653	18.8917	mg/kg	0.06613	0.35%
Magnesium,7439-95-4†	12218.6	4.97076	mg/L	0.076555	198.831	mg/kg	3.0622	1.54%
Manganese,7439-96-5†	256821.1	0.49815	mg/L	0.009219	19.9260	mg/kg	0.36877	1.85%
Molybdenum,7439-98-7†	2102.0	0.50738	mg/L	0.004214	20.2954	mg/kg	0.16858	0.83%
Nickel,7440-02-0†	14212.5	0.52129	mg/L	0.012111	20.8516	mg/kg	0.48443	2.32%
Potassium,7440-09-7†	32023.5	9.57182	mg/L	0.039099	382.873	mg/kg	1.5639	0.41%
Selenium,7782-49-2†	207.8	0.47590	mg/L	0.018856	19.0358	mg/kg	0.75425	3.96%
Silicon,7440-21-3†	4843.7	1.03551	mg/L	0.018314	41.4206	mg/kg	0.73256	1.77%
Silver,7440-22-4†	127271.5	0.50468	mg/L	0.009041	20.1872	mg/kg	0.36163	1.79%
Sodium,7440-23-5†	94633.4	19.0284	mg/L	0.03168	761.136	mg/kg	1.2671	0.17%
Strontium,7440-24-6†	273146.7	0.49299	mg/L	0.001231	19.7197	mg/kg	0.04923	0.25%
Thallium,7440-28-0†	289.3	0.49697	mg/L	0.003351	19.8789	mg/kg	0.13404	0.67%
Tin,7440-31-5†	661.3	0.53991	mg/L	0.002769	21.5965	mg/kg	0.11076	0.51%
Titanium,7440-32-6†	313959.8	0.49924	mg/L	0.000288	19.9698	mg/kg	0.01152	0.06%
Vanadium,7440-62-2†	42833.2	0.51419	mg/L	0.009556	20.5677	mg/kg	0.38222	1.86%
Zinc,7440-66-6†	11616.4	0.50216	mg/L	0.010566	20.0864	mg/kg	0.42264	2.10%
Zirconium,7440-67-7†	1548.9	0.00245	mg/L	0.000525	0.09799	mg/kg	0.020984	21.42%

Sequence No.: 16
Sample ID: 20806052205
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 19
Date Collected: 6/10/2008 11:33:35 AM
Data Type: Reprocessed on 6/11/2008 9:51:45 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20806052205

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3407687.4	97.6041	%	1.28928				1.32%
Yttrium,7440-65-5A	2029256.2	103.659	%	1.4381				1.39%
Yttrium,7440-65-5R	264492.8	112.738	%	0.5331				0.47%
Ar 420.067 R	1933794.7	93.2535	%	0.19822				0.21%
Ar 363.268 A	34813.9	80.0898	%	0.08893				0.11%
Aluminum,7429-90-5†	611335.6	352.331	mg/L	5.8641	14093.3	mg/kg	234.57	1.66%
Antimony,7440-36-0†	-95.0	0.70708	mg/L	0.012788	28.2833	mg/kg	0.51152	1.81%
Arsenic,7440-38-2†	81.7	-0.21546	mg/L	0.007723	-8.61822	mg/kg	0.308918	3.58%
Barium,7440-39-3†	622119.5	9.38670	mg/L	0.031322	375.468	mg/kg	1.2529	0.33%
Beryllium,7440-41-7†	82012.3	0.02392	mg/L	0.000281	0.95686	mg/kg	0.011227	1.17%
Boron,7440-42-8†	118560.4	2.15977	mg/L	0.040304	86.3908	mg/kg	1.61214	1.87%
Cadmium,7440-43-9†	441.5	-0.00276	mg/L	0.000471	-0.11025	mg/kg	0.018848	17.10%
Calcium,7440-70-2†	10085377.9	826.781	mg/L	8.5323	33071.3	mg/kg	341.29	1.03%
Chromium,7440-47-3†	35534.3	0.49787	mg/L	0.006909	19.9149	mg/kg	0.27635	1.39%

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Cobalt,7440-48-4†	2797.8	0.16537 mg/L	0.001933	6.61468 mg/kg	0.077336	1.17%
Copper,7440-50-8†	112500.2	0.59295 mg/L	0.009581	23.7180 mg/kg	0.38325	1.62%
Iron,7439-89-6†	5406615.8	450.721 mg/L	5.0847	18028.8 mg/kg	203.39	1.13%
Lead,7439-92-1†	2752.7	0.62817 mg/L	0.006500	25.1268 mg/kg	0.25998	1.03%
Lithium,7439-93-2†	35229.3	0.46257 mg/L	0.006143	18.5028 mg/kg	0.24574	1.33%
Magnesium,7439-95-4†	515140.6	209.607 mg/L	3.7426	8384.26 mg/kg	149.702	1.79%
Manganese,7439-96-5†	3440611.6	6.66486 mg/L	0.024260	266.594 mg/kg	0.9704	0.36%
Molybdenum,7439-98-7†	38.0	0.01418 mg/L	0.001240	0.56701 mg/kg	0.049615	8.75%
Nickel,7440-02-0†	10943.0	0.42081 mg/L	0.006378	16.8325 mg/kg	0.25513	1.52%
Potassium,7440-09-7†	338038.5	101.037 mg/L	1.5775	4041.50 mg/kg	63.100	1.56%
Selenium,7782-49-2†	15.2	0.35024 mg/L	0.024271	14.0097 mg/kg	0.97085	6.93%
Silicon,7440-21-3†	93373.2	19.9330 mg/L	0.28270	797.320 mg/kg	11.3080	1.42%
Silver,7440-22-4†	-17302.6	-0.06397 mg/L	0.000821	-2.55877 mg/kg	0.032822	1.28%
Sodium,7440-23-5†	263020.9	47.4625 mg/L	0.84745	1898.50 mg/kg	33.898	1.79%
Strontium,7440-24-6†	1057565.9	1.88539 mg/L	0.020490	75.4158 mg/kg	0.81960	1.09%
Thallium,7440-28-0†	19.4	-0.16004 mg/L	0.013942	-6.40179 mg/kg	0.557675	8.71%
Tin,7440-31-5†	-12.6	0.15332 mg/L	0.003077	6.13269 mg/kg	0.123081	2.01%
Titanium,7440-32-6†	378231.6	0.60083 mg/L	0.003946	24.0330 mg/kg	0.15785	0.66%
Vanadium,7440-62-2†	57000.4	0.47646 mg/L	0.010357	19.0582 mg/kg	0.41429	2.17%
Zinc,7440-66-6†	143991.1	6.21068 mg/L	0.106456	248.427 mg/kg	4.2582	1.71%
Zirconium,7440-67-7†	136219.9	0.26089 mg/L	0.003946	10.4356 mg/kg	0.15783	1.51%

Sequence No.: 17
Sample ID: 20806052206
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 20
Date Collected: 6/10/2008 11:40:17 AM
Data Type: Reprocessed on 6/11/2008 9:51:49 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20806052206

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3391539.4	97.1416	%	0.23431				0.24%
Yttrium,7440-65-5A	2010040.3	102.678	%	0.3228				0.31%
Yttrium,7440-65-5R	266901.3	113.765	%	0.5143				0.45%
Ar 420.067 R	1916240.0	92.4069	%	0.05126				0.06%
Ar 363.268 A	34144.5	78.5498	%	0.31447				0.40%
Aluminum,7429-90-5†	876734.2	505.268	mg/L	3.3746	20210.7	mg/kg	134.98	0.67%
Antimony,7440-36-0†	-74.0	0.85826	mg/L	0.017234	34.3305	mg/kg	0.68935	2.01%
Arsenic,7440-38-2†	229.6	0.23075	mg/L	0.021397	9.22995	mg/kg	0.855868	9.27%
Barium,7440-39-3†	1225379.6	18.5035	mg/L	0.00910	740.138	mg/kg	0.3641	0.05%
Beryllium,7440-41-7†	1981432.4	0.52290	mg/L	0.001102	20.9162	mg/kg	0.04408	0.21%
Boron,7440-42-8†	233954.8	4.21161	mg/L	0.015863	168.464	mg/kg	0.6345	0.38%
Cadmium,7440-43-9†	16358.0	0.44631	mg/L	0.003479	17.8525	mg/kg	0.13916	0.78%
Calcium,7440-70-2†	10892360.8	892.937	mg/L	7.2927	35717.5	mg/kg	291.71	0.82%
Chromium,7440-47-3†	80216.0	1.05998	mg/L	0.000699	42.3990	mg/kg	0.02796	0.07%
Cobalt,7440-48-4†	10159.5	0.60466	mg/L	0.004154	24.1864	mg/kg	0.16617	0.69%
Copper,7440-50-8†	196473.5	1.01588	mg/L	0.003644	40.6352	mg/kg	0.14575	0.36%
Iron,7439-89-6†	6061669.5	505.327	mg/L	3.6442	20213.1	mg/kg	145.77	0.72%
Lead,7439-92-1†	4641.5	1.04673	mg/L	0.009572	41.8694	mg/kg	0.38286	0.91%
Lithium,7439-93-2†	81057.8	1.05907	mg/L	0.003546	42.3629	mg/kg	0.14182	0.33%
Magnesium,7439-95-4†	612235.2	249.104	mg/L	1.7905	9964.16	mg/kg	71.618	0.72%
Manganese,7439-96-5†	4301064.9	8.33230	mg/L	0.007295	333.292	mg/kg	0.2918	0.09%
Molybdenum,7439-98-7†	1545.9	0.38230	mg/L	0.000958	15.2920	mg/kg	0.03832	0.25%
Nickel,7440-02-0†	23036.2	0.86572	mg/L	0.006081	34.6289	mg/kg	0.24326	0.70%
Potassium,7440-09-7†	477900.2	142.845	mg/L	0.8379	5713.80	mg/kg	33.515	0.59%
Selenium,7782-49-2†	243.6	0.89701	mg/L	0.023121	35.8804	mg/kg	0.92483	2.58%
Silicon,7440-21-3†	106441.3	22.7191	mg/L	0.15207	908.763	mg/kg	6.0826	0.67%
Silver,7440-22-4†	115775.6	0.46376	mg/L	0.000567	18.5506	mg/kg	0.02269	0.12%
Sodium,7440-23-5†	395840.7	73.8037	mg/L	0.61297	2952.15	mg/kg	24.519	0.83%
Strontium,7440-24-6†	1600978.4	2.86457	mg/L	0.018628	114.583	mg/kg	0.7451	0.65%
Thallium,7440-28-0†	278.4	0.26440	mg/L	0.017215	10.5759	mg/kg	0.68858	6.51%
Tin,7440-31-5†	531.3	0.61292	mg/L	0.001221	24.5167	mg/kg	0.04885	0.20%
Titanium,7440-32-6†	726134.3	1.15396	mg/L	0.002230	46.1585	mg/kg	0.08921	0.19%
Vanadium,7440-62-2†	108497.7	1.07180	mg/L	0.004695	42.8719	mg/kg	0.18780	0.44%
Zinc,7440-66-6†	142057.4	6.11340	mg/L	0.010382	244.536	mg/kg	0.4153	0.17%
Zirconium,7440-67-7†	155631.4	0.29793	mg/L	0.000435	11.9170	mg/kg	0.01740	0.15%

Sequence No.: 18
Sample ID: 20806052207
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 21
Date Collected: 6/10/2008 11:46:43 AM
Data Type: Reprocessed on 6/11/2008 9:51:51 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20806052207

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3396131.3	97.2731	%	0.52981				0.54%
Yttrium,7440-65-5A	2009438.9	102.647	%	0.4851				0.47%
Yttrium,7440-65-5R	264487.4	112.736	%	0.9082				0.81%
Ar 420.067 R	1938463.8	93.4786	%	0.14829				0.16%
Ar 363.268 A	36163.9	83.1955	%	0.28497				0.34%
Aluminum,7429-90-5†	770339.9	443.946	mg/L	5.5495	17757.9	mg/kg	221.98	1.25%
Antimony,7440-36-0†	-50.9	0.66250	mg/L	0.019142	26.4998	mg/kg	0.76568	2.89%
Arsenic,7440-38-2†	209.2	0.27016	mg/L	0.007964	10.8063	mg/kg	0.31856	2.95%
Barium,7440-39-3†	405018.7	6.10578	mg/L	0.009447	244.231	mg/kg	0.3779	0.15%
Beryllium,7440-41-7†	1871117.2	0.49496	mg/L	0.000409	19.7984	mg/kg	0.01637	0.08%
Boron,7440-42-8†	206260.1	3.70553	mg/L	0.005478	148.221	mg/kg	0.2191	0.15%
Cadmium,7440-43-9†	15911.2	0.43806	mg/L	0.004905	17.5224	mg/kg	0.19620	1.12%
Calcium,7440-70-2†	9906287.2	812.103	mg/L	10.4268	32484.1	mg/kg	417.07	1.28%
Chromium,7440-47-3†	72714.7	0.95010	mg/L	0.001868	38.0039	mg/kg	0.07472	0.20%
Cobalt,7440-48-4†	9687.5	0.57623	mg/L	0.005116	23.0493	mg/kg	0.20464	0.89%
Copper,7440-50-8†	162929.8	0.84030	mg/L	0.001224	33.6121	mg/kg	0.04896	0.15%
Iron,7439-89-6†	4599241.5	383.414	mg/L	4.3424	15336.5	mg/kg	173.70	1.13%
Lead,7439-92-1†	16517.3	3.59454	mg/L	0.039982	143.781	mg/kg	1.5993	1.11%
Lithium,7439-93-2†	73862.5	0.96450	mg/L	0.017782	38.5800	mg/kg	0.71128	1.84%
Magnesium,7439-95-4†	524773.9	213.510	mg/L	3.2434	8540.42	mg/kg	129.736	1.52%
Manganese,7439-96-5†	3048107.0	5.90326	mg/L	0.008883	236.130	mg/kg	0.3553	0.15%
Molybdenum,7439-98-7†	1552.1	0.38179	mg/L	0.004383	15.2715	mg/kg	0.17532	1.15%
Nickel,7440-02-0†	21341.9	0.79794	mg/L	0.007717	31.9175	mg/kg	0.30868	0.97%
Potassium,7440-09-7†	409323.0	122.347	mg/L	2.0598	4893.86	mg/kg	82.391	1.68%
Selenium,7782-49-2†	244.9	0.81073	mg/L	0.035687	32.4291	mg/kg	1.42750	4.40%
Silicon,7440-21-3†	109441.5	23.3719	mg/L	0.34725	934.874	mg/kg	13.8899	1.49%
Silver,7440-22-4†	113773.7	0.45448	mg/L	0.000879	18.1792	mg/kg	0.03517	0.19%
Sodium,7440-23-5†	305304.1	57.3742	mg/L	0.65720	2294.97	mg/kg	26.288	1.15%
Strontium,7440-24-6†	1184828.7	2.11568	mg/L	0.019480	84.6271	mg/kg	0.77919	0.92%
Thallium,7440-28-0†	275.2	0.31054	mg/L	0.007847	12.4217	mg/kg	0.31390	2.53%
Tin,7440-31-5†	512.8	0.58006	mg/L	0.009996	23.2025	mg/kg	0.39984	1.72%
Titanium,7440-32-6†	838844.1	1.33353	mg/L	0.000347	53.3411	mg/kg	0.01386	0.03%
Vanadium,7440-62-2†	90877.3	0.91698	mg/L	0.002519	36.6791	mg/kg	0.10074	0.27%
Zinc,7440-66-6†	94246.8	4.04896	mg/L	0.005964	161.958	mg/kg	0.2385	0.15%
Zirconium,7440-67-7†	122364.9	0.23438	mg/L	0.000133	9.37502	mg/kg	0.005308	0.06%

Sequence No.: 19
Sample ID: 612943
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 22
Date Collected: 6/10/2008 11:53:25 AM
Data Type: Reprocessed on 6/11/2008 9:51:52 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 612943

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3379889.1	96.8079	%	0.27949				0.29%
Yttrium,7440-65-5A	2045575.9	104.493	%	0.2793				0.27%
Yttrium,7440-65-5R	268771.7	114.562	%	0.9867				0.86%
Ar 420.067 R	1940830.3	93.5928	%	0.28333				0.30%
Ar 363.268 A	34831.1	80.1294	%	0.19421				0.24%
Aluminum,7429-90-5†	626535.1	361.087	mg/L	4.3277	14443.5	mg/kg	173.11	1.20%
Antimony,7440-36-0†	125.9	1.24031	mg/L	0.020755	49.6122	mg/kg	0.83022	1.67%
Arsenic,7440-38-2†	212.6	0.24819	mg/L	0.025728	9.92766	mg/kg	1.029115	10.37%
Barium,7440-39-3†	648302.6	9.78174	mg/L	0.007780	391.270	mg/kg	0.3112	0.08%
Beryllium,7440-41-7†	1871074.7	0.49366	mg/L	0.002623	19.7464	mg/kg	0.10491	0.53%
Boron,7440-42-8†	243256.1	4.37124	mg/L	0.038129	174.850	mg/kg	1.5252	0.87%
Cadmium,7440-43-9†	15707.2	0.42876	mg/L	0.006544	17.1503	mg/kg	0.26176	1.53%

Calcium,7440-70-2†	10323602.3	846.312 mg/L	2.1506	33852.5 mg/kg	86.03	0.25%
Chromium,7440-47-3†	70982.4	0.94348 mg/L	0.001584	37.7391 mg/kg	0.06336	0.17%
Cobalt,7440-48-4†	9988.8	0.59478 mg/L	0.008168	23.7912 mg/kg	0.32670	1.37%
Copper,7440-50-8†	207760.3	1.06928 mg/L	0.004585	42.7713 mg/kg	0.18339	0.43%
Iron,7439-89-6†	5543688.4	462.148 mg/L	1.1917	18485.9 mg/kg	47.67	0.26%
Lead,7439-92-1†	4757.0	1.06029 mg/L	0.011419	42.4118 mg/kg	0.45676	1.08%
Lithium,7439-93-2†	72118.2	0.94223 mg/L	0.015583	37.6892 mg/kg	0.62333	1.65%
Magnesium,7439-95-4†	534985.6	217.681 mg/L	3.2542	8707.22 mg/kg	130.167	1.49%
Manganese,7439-96-5†	3649760.2	7.07031 mg/L	0.005795	282.812 mg/kg	0.2318	0.08%
Molybdenum,7439-98-7†	2027.4	0.49439 mg/L	0.008637	19.7754 mg/kg	0.34549	1.75%
Nickel,7440-02-0†	22235.0	0.83529 mg/L	0.009587	33.4116 mg/kg	0.38349	1.15%
Potassium,7440-09-7†	376181.0	112.439 mg/L	1.7797	4497.54 mg/kg	71.187	1.58%
Selenium,7782-49-2†	236.8	0.86242 mg/L	0.017074	34.4969 mg/kg	0.68295	1.98%
Silicon,7440-21-3†	108444.0	23.1575 mg/L	0.30064	926.301 mg/kg	12.0256	1.30%
Silver,7440-22-4†	106107.8	0.42511 mg/L	0.002302	17.0043 mg/kg	0.09207	0.54%
Sodium,7440-23-5†	361298.7	67.1092 mg/L	0.69329	2684.37 mg/kg	27.732	1.03%
Strontium,7440-24-6†	1345331.5	2.40438 mg/L	0.018258	96.1753 mg/kg	0.73032	0.76%
Thallium,7440-28-0†	278.4	0.28097 mg/L	0.011491	11.2387 mg/kg	0.45963	4.09%
Tin,7440-31-5†	587.7	0.64619 mg/L	0.008520	25.8476 mg/kg	0.34080	1.32%
Titanium,7440-32-6†	664061.0	1.05533 mg/L	0.003260	42.2132 mg/kg	0.13040	0.31%
Vanadium,7440-62-2†	96161.8	0.94326 mg/L	0.004550	37.7303 mg/kg	0.18198	0.48%
Zinc,7440-66-6†	154895.6	6.68155 mg/L	0.021154	267.262 mg/kg	0.8462	0.32%
Zirconium,7440-67-7†	137214.0	0.26202 mg/L	0.001052	10.4808 mg/kg	0.04206	0.40%

Sequence No.: 20
Sample ID: 612944
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 5X

Autosampler Location: 23
Date Collected: 6/10/2008 12:00:23 PM
Data Type: Reprocessed on 6/11/2008 9:51:54 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 612944

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3571180.8	102.287	%	2.4369				2.38%
Yttrium,7440-65-5A	2021340.0	103.255	%	2.3802				2.31%
Yttrium,7440-65-5R	253411.5	108.015	%	1.3784				1.28%
Ar 420.067 R	2046318.3	98.6797	%	0.16158				0.16%
Ar 363.268 A	40635.0	93.4812	%	0.12222				0.13%
Aluminum,7429-90-5†	132375.0	76.2926 mg/L		0.75675	15258.5 mg/kg		151.35	0.99%
Antimony,7440-36-0†	-24.2	0.15670 mg/L		0.013928	31.3402 mg/kg		2.78564	8.89%
Arsenic,7440-38-2†	28.0	-0.01433 mg/L		0.011150	-2.86537 mg/kg		2.229972	77.82%
Barium,7440-39-3†	133524.6	2.01444 mg/L		0.048832	402.889 mg/kg		9.7665	2.42%
Beryllium,7440-41-7†	17151.5	0.00500 mg/L		0.000104	1.00088 mg/kg		0.020781	2.08%
Boron,7440-42-8†	26433.3	0.48189 mg/L		0.010176	96.3781 mg/kg		2.03518	2.11%
Cadmium,7440-43-9†	49.1	-0.00212 mg/L		0.000376	-0.42456 mg/kg		0.075189	17.71%
Calcium,7440-70-2†	2286703.3	187.460 mg/L		5.8840	37492.0 mg/kg		1176.80	3.14%
Chromium,7440-47-3†	7672.5	0.10836 mg/L		0.004228	21.6728 mg/kg		0.84561	3.90%
Cobalt,7440-48-4†	611.4	0.03614 mg/L		0.000907	7.22882 mg/kg		0.181363	2.51%
Copper,7440-50-8†	24578.0	0.12989 mg/L		0.002979	25.9774 mg/kg		0.59578	2.29%
Iron,7439-89-6†	1237967.6	103.203 mg/L		3.1971	20640.5 mg/kg		639.42	3.10%
Lead,7439-92-1†	595.3	0.13596 mg/L		0.001180	27.1919 mg/kg		0.23601	0.87%
Lithium,7439-93-2†	8435.3	0.11069 mg/L		0.001894	22.1387 mg/kg		0.37874	1.71%
Magnesium,7439-95-4†	117417.2	47.7763 mg/L		0.40517	9555.26 mg/kg		81.034	0.85%
Manganese,7439-96-5†	751619.3	1.45586 mg/L		0.024963	291.173 mg/kg		4.9927	1.71%
Molybdenum,7439-98-7†	36.2	0.00976 mg/L		0.003948	1.95286 mg/kg		0.789538	40.43%
Nickel,7440-02-0†	2387.9	0.09207 mg/L		0.001608	18.4147 mg/kg		0.32165	1.75%
Potassium,7440-09-7†	72432.1	21.6493 mg/L		0.13791	4329.87 mg/kg		27.582	0.64%
Selenium,7782-49-2†	-23.1	0.02012 mg/L		0.041689	4.02372 mg/kg		8.337725	207.21%
Silicon,7440-21-3†	19680.3	4.20044 mg/L		0.040094	840.087 mg/kg		8.0188	0.95%
Silver,7440-22-4†	-3896.6	-0.01462 mg/L		0.000328	-2.92362 mg/kg		0.065604	2.24%
Sodium,7440-23-5†	56335.0	10.0676 mg/L		0.07563	2013.51 mg/kg		15.127	0.75%
Strontium,7440-24-6†	227433.8	0.40518 mg/L		0.012369	81.0359 mg/kg		2.47377	3.05%
Thallium,7440-28-0†	2.6	-0.04035 mg/L		0.012484	-8.06960 mg/kg		2.496754	30.94%
Tin,7440-31-5†	-6.3	0.03191 mg/L		0.004798	6.38199 mg/kg		0.959616	15.04%
Titanium,7440-32-6†	79637.3	0.12650 mg/L		0.002242	25.2996 mg/kg		0.44845	1.77%
Vanadium,7440-62-2†	10989.2	0.08436 mg/L		0.004506	16.8719 mg/kg		0.90123	5.34%
Zinc,7440-66-6†	30009.1	1.29283 mg/L		0.033448	258.566 mg/kg		6.6896	2.59%
Zirconium,7440-67-7†	28947.7	0.05517 mg/L		0.001477	11.0334 mg/kg		0.29537	2.68%

Sequence No.: 21 | **Autosampler Location: 24**
Sample ID: --- | **Date Collected: 6/10/2008 12:06:45 PM**
Analyst: | **Data Type: Reprocessed on 6/11/2008 9:51:55 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	3695088.7	105.836	%	1.3526				1.28%
Yttrium,7440-65-5A	2082624.7	106.386	%	1.2228				1.15%
Yttrium,7440-65-5R	260919.0	111.215	%	1.7085				1.54%
Ar 420.067 R	2093491.8	100.955	%	0.1540				0.15%
Ar 363.268 A	42667.3	98.1567	%	0.16863				0.17%
Aluminum,7429-90-5†	62.0	0.03572	mg/L	0.007010	0.03572	mg/L	0.007010	19.62%
Antimony,7440-36-0†	-4.1	-0.00943	mg/L	0.002459	-0.00943	mg/L	0.002459	26.09%
Arsenic,7440-38-2†	-4.4	-0.01577	mg/L	0.007234	-0.01577	mg/L	0.007234	45.88%
Barium,7440-39-3†	39.1	0.00059	mg/L	0.000118	0.00059	mg/L	0.000118	19.91%
Beryllium,7440-41-7†	104.6	0.00003	mg/L	0.000057	0.00003	mg/L	0.000057	187.15%
Boron,7440-42-8†	-1385.2	-0.02455	mg/L	0.001234	-0.02455	mg/L	0.001234	5.02%
Cadmium,7440-43-9†	1.5	0.00004	mg/L	0.000331	0.00004	mg/L	0.000331	800.57%
Calcium,7440-70-2†	151.0	0.01237	mg/L	0.004312	0.01237	mg/L	0.004312	34.87%
Chromium,7440-47-3†	-102.0	-0.00128	mg/L	0.000553	-0.00128	mg/L	0.000553	43.34%
Cobalt,7440-48-4†	-3.1	-0.00019	mg/L	0.000193	-0.00019	mg/L	0.000193	103.55%
Copper,7440-50-8†	-620.1	-0.00309	mg/L	0.000354	-0.00309	mg/L	0.000354	11.45%
Iron,7439-89-6†	345.0	0.02876	mg/L	0.006352	0.02876	mg/L	0.006352	22.09%
Lead,7439-92-1†	-4.1	-0.00088	mg/L	0.001697	-0.00088	mg/L	0.001697	192.50%
Lithium,7439-93-2†	82.8	0.00108	mg/L	0.001634	0.00108	mg/L	0.001634	151.76%
Magnesium,7439-95-4†	-19.8	-0.00805	mg/L	0.010190	-0.00805	mg/L	0.010190	126.64%
Manganese,7439-96-5†	667.4	0.00129	mg/L	0.000043	0.00129	mg/L	0.000043	3.29%
Molybdenum,7439-98-7†	7.9	0.00190	mg/L	0.000351	0.00190	mg/L	0.000351	18.50%
Nickel,7440-02-0†	6.1	0.00023	mg/L	0.000519	0.00023	mg/L	0.000519	229.33%
Potassium,7440-09-7†	558.7	0.16704	mg/L	0.023035	0.16704	mg/L	0.023035	13.79%
Selenium,7782-49-2†	-9.3	-0.02109	mg/L	0.013409	-0.02109	mg/L	0.013409	63.59%
Silicon,7440-21-3†	-1.4	-0.00029	mg/L	0.000871	-0.00029	mg/L	0.000871	298.50%
Silver,7440-22-4†	-288.9	-0.00114	mg/L	0.000683	-0.00114	mg/L	0.000683	59.92%
Sodium,7440-23-5†	-2371.9	-0.47438	mg/L	0.032893	-0.47438	mg/L	0.032893	6.93%
Strontium,7440-24-6†	52.4	0.00009	mg/L	0.000076	0.00009	mg/L	0.000076	80.32%
Thallium,7440-28-0†	0.7	0.00111	mg/L	0.006095	0.00111	mg/L	0.006095	546.86%
Tin,7440-31-5†	-9.6	-0.00777	mg/L	0.001630	-0.00777	mg/L	0.001630	20.96%
Titanium,7440-32-6†	336.6	0.00054	mg/L	0.000259	0.00054	mg/L	0.000259	48.38%
Vanadium,7440-62-2†	-43.3	-0.00054	mg/L	0.000240	-0.00054	mg/L	0.000240	44.30%
Zinc,7440-66-6†	52.1	0.00227	mg/L	0.000391	0.00227	mg/L	0.000391	17.23%
Zirconium,7440-67-7†	146.1	0.00030	mg/L	0.000148	0.00030	mg/L	0.000148	49.74%

Sequence No.: 22 | **Autosampler Location: 25**
Sample ID: --- | **Date Collected: 6/10/2008 12:13:58 PM**
Analyst: | **Data Type: Reprocessed on 6/11/2008 9:51:56 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	3761887.3	107.749	%	0.1057				0.10%
Yttrium,7440-65-5A	2112334.4	107.903	%	0.0672				0.06%
Yttrium,7440-65-5R	261462.1	111.446	%	1.1655				1.05%
Ar 420.067 R	2100470.2	101.291	%	0.2949				0.29%
Ar 363.268 A	42412.9	97.5713	%	0.33499				0.34%
Aluminum,7429-90-5†	47.5	0.02740	mg/L	0.003162	0.02740	mg/L	0.003162	11.54%
Antimony,7440-36-0†	-1.5	-0.00337	mg/L	0.009222	-0.00337	mg/L	0.009222	273.42%
Arsenic,7440-38-2†	-1.6	-0.00575	mg/L	0.006284	-0.00575	mg/L	0.006284	109.32%
Barium,7440-39-3†	23.6	0.00036	mg/L	0.000130	0.00036	mg/L	0.000130	36.51%
Beryllium,7440-41-7†	86.7	0.00003	mg/L	0.000019	0.00003	mg/L	0.000019	75.63%

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Boron,7440-42-8†	-2376.0	-0.04212 mg/L	0.001450	-0.04212 mg/L	0.001450	3.44%
Cadmium,7440-43-9†	3.5	0.00010 mg/L	0.000077	0.00010 mg/L	0.000077	77.82%
Calcium,7440-70-2†	-106.0	-0.00870 mg/L	0.001274	-0.00870 mg/L	0.001274	14.64%
Chromium,7440-47-3†	-155.1	-0.00194 mg/L	0.000352	-0.00194 mg/L	0.000352	18.12%
Cobalt,7440-48-4†	-1.4	-0.00009 mg/L	0.000241	-0.00009 mg/L	0.000241	280.23%
Copper,7440-50-8†	-829.2	-0.00414 mg/L	0.000188	-0.00414 mg/L	0.000188	4.56%
Iron,7439-89-6†	193.5	0.01613 mg/L	0.001216	0.01613 mg/L	0.001216	7.54%
Lead,7439-92-1†	4.3	0.00092 mg/L	0.001217	0.00092 mg/L	0.001217	132.16%
Lithium,7439-93-2†	-97.2	-0.00126 mg/L	0.000349	-0.00126 mg/L	0.000349	27.58%
Magnesium,7439-95-4†	-47.4	-0.01928 mg/L	0.007273	-0.01928 mg/L	0.007273	37.72%
Manganese,7439-96-5†	97.6	0.00019 mg/L	0.000092	0.00019 mg/L	0.000092	48.56%
Molybdenum,7439-98-7†	0.4	0.00009 mg/L	0.001121	0.00009 mg/L	0.001121	>999.9%
Nickel,7440-02-0†	13.6	0.00050 mg/L	0.000492	0.00050 mg/L	0.000492	98.59%
Potassium,7440-09-7†	138.4	0.04138 mg/L	0.036367	0.04138 mg/L	0.036367	87.89%
Selenium,7782-49-2†	-9.7	-0.02206 mg/L	0.018997	-0.02206 mg/L	0.018997	86.11%
Silicon,7440-21-3†	-36.3	-0.00777 mg/L	0.002197	-0.00777 mg/L	0.002197	28.29%
Silver,7440-22-4†	-385.4	-0.00152 mg/L	0.000069	-0.00152 mg/L	0.000069	4.52%
Sodium,7440-23-5†	-3002.3	-0.60038 mg/L	0.010322	-0.60038 mg/L	0.010322	1.72%
Strontium,7440-24-6†	-143.8	-0.00026 mg/L	0.000082	-0.00026 mg/L	0.000082	31.81%
Thallium,7440-28-0†	1.7	0.00282 mg/L	0.002791	0.00282 mg/L	0.002791	98.89%
Tin,7440-31-5†	-10.5	-0.00854 mg/L	0.001049	-0.00854 mg/L	0.001049	12.28%
Titanium,7440-32-6†	208.5	0.00033 mg/L	0.000135	0.00033 mg/L	0.000135	40.63%
Vanadium,7440-62-2†	-67.8	-0.00083 mg/L	0.000449	-0.00083 mg/L	0.000449	53.85%
Zinc,7440-66-6†	-13.6	-0.00059 mg/L	0.000365	-0.00059 mg/L	0.000365	61.37%
Zirconium,7440-67-7†	119.2	0.00024 mg/L	0.000069	0.00024 mg/L	0.000069	28.34%

Sequence No.: 23 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 6/10/2008 12:21:33 PM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:51:58 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	3638530.5	104.216	%	0.5412				0.52%
Yttrium,7440-65-5A	2034299.7	103.917	%	0.4916				0.47%
Yttrium,7440-65-5R	254613.2	108.527	%	2.1875				2.02%
Ar 420.067 R	2099568.9	101.248	%	0.1521				0.15%
Ar 363.268 A	42176.5	97.0276	%	0.17651				0.18%
Aluminum,7429-90-5†	8923.9	5.13875	mg/L	0.093524	5.13875	mg/L	0.093524	1.82%
QC value within limits for Aluminum,7429-90-5 Recovery = 102.78%								
Antimony,7440-36-0†	219.7	0.51791	mg/L	0.015410	0.51791	mg/L	0.015410	2.98%
QC value within limits for Antimony,7440-36-0 Recovery = 103.58%								
Arsenic,7440-38-2†	138.5	0.49806	mg/L	0.008118	0.49806	mg/L	0.008118	1.63%
QC value within limits for Arsenic,7440-38-2 Recovery = 99.61%								
Barium,7440-39-3†	33763.2	0.50984	mg/L	0.001484	0.50984	mg/L	0.001484	0.29%
QC value within limits for Barium,7440-39-3 Recovery = 101.97%								
Beryllium,7440-41-7†	1919888.4	0.50413	mg/L	0.001144	0.50413	mg/L	0.001144	0.23%
QC value within limits for Beryllium,7440-41-7 Recovery = 100.83%								
Boron,7440-42-8†	127806.8	2.26566	mg/L	0.005539	2.26566	mg/L	0.005539	0.24%
QC value within limits for Boron,7440-42-8 Recovery = 90.63%								
Cadmium,7440-43-9†	18033.4	0.51004	mg/L	0.002857	0.51004	mg/L	0.002857	0.56%
QC value within limits for Cadmium,7440-43-9 Recovery = 102.01%								
Calcium,7440-70-2†	64956.7	5.32602	mg/L	0.144272	5.32602	mg/L	0.144272	2.71%
QC value within limits for Calcium,7440-70-2 Recovery = 106.52%								
Chromium,7440-47-3†	40618.6	0.50962	mg/L	0.000511	0.50962	mg/L	0.000511	0.10%
QC value within limits for Chromium,7440-47-3 Recovery = 101.92%								
Cobalt,7440-48-4†	8513.4	0.50846	mg/L	0.003736	0.50846	mg/L	0.003736	0.73%
QC value within limits for Cobalt,7440-48-4 Recovery = 101.69%								
Copper,7440-50-8†	102133.2	0.51015	mg/L	0.001087	0.51015	mg/L	0.001087	0.21%
QC value within limits for Copper,7440-50-8 Recovery = 102.03%								
Iron,7439-89-6†	63215.9	5.27011	mg/L	0.126030	5.27011	mg/L	0.126030	2.39%
QC value within limits for Iron,7439-89-6 Recovery = 105.40%								
Lead,7439-92-1†	2373.5	0.51109	mg/L	0.002640	0.51109	mg/L	0.002640	0.52%
QC value within limits for Lead,7439-92-1 Recovery = 102.22%								
Lithium,7439-93-2†	39720.6	0.51642	mg/L	0.012118	0.51642	mg/L	0.012118	2.35%
QC value within limits for Lithium,7439-93-2 Recovery = 103.28%								

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Magnesium,7439-95-4†	13059.3	5.31269 mg/L	0.153020	5.31269 mg/L	0.153020	2.88%
QC value within limits for Magnesium,7439-95-4 Recovery = 106.25%						
Manganese,7439-96-5†	258523.5	0.50144 mg/L	0.001903	0.50144 mg/L	0.001903	0.38%
QC value within limits for Manganese,7439-96-5 Recovery = 100.29%						
Molybdenum,7439-98-7†	2108.1	0.50888 mg/L	0.004968	0.50888 mg/L	0.004968	0.98%
QC value within limits for Molybdenum,7439-98-7 Recovery = 101.78%						
Nickel,7440-02-0†	14071.0	0.51611 mg/L	0.003466	0.51611 mg/L	0.003466	0.67%
QC value within limits for Nickel,7440-02-0 Recovery = 103.22%						
Potassium,7440-09-7†	34387.5	10.2786 mg/L	0.20205	10.2786 mg/L	0.20205	1.97%
QC value within limits for Potassium,7440-09-7 Recovery = 102.79%						
Selenium,7782-49-2†	213.0	0.48800 mg/L	0.008937	0.48800 mg/L	0.008937	1.83%
QC value within limits for Selenium,7782-49-2 Recovery = 97.60%						
Silicon,7440-21-3†	18707.9	4.00396 mg/L	0.098343	4.00396 mg/L	0.098343	2.46%
QC value less than the lower limit for Silicon,7440-21-3 Recovery = 80.08%						
Silver,7440-22-4†	128641.2	0.51006 mg/L	0.001067	0.51006 mg/L	0.001067	0.21%
QC value within limits for Silver,7440-22-4 Recovery = 102.01%						
Sodium,7440-23-5†	100298.8	20.1559 mg/L	0.50352	20.1559 mg/L	0.50352	2.50%
QC value within limits for Sodium,7440-23-5 Recovery = 100.78%						
Strontium,7440-24-6†	286491.9	0.51710 mg/L	0.003354	0.51710 mg/L	0.003354	0.65%
QC value within limits for Strontium,7440-24-6 Recovery = 103.42%						
Thallium,7440-28-0†	298.3	0.51220 mg/L	0.002835	0.51220 mg/L	0.002835	0.55%
QC value within limits for Thallium,7440-28-0 Recovery = 102.44%						
Tin,7440-31-5†	625.3	0.51069 mg/L	0.007243	0.51069 mg/L	0.007243	1.42%
QC value within limits for Tin,7440-31-5 Recovery = 102.14%						
Titanium,7440-32-6†	315298.9	0.50137 mg/L	0.000548	0.50137 mg/L	0.000548	0.11%
QC value within limits for Titanium,7440-32-6 Recovery = 100.27%						
Vanadium,7440-62-2†	42889.7	0.51472 mg/L	0.004639	0.51472 mg/L	0.004639	0.90%
QC value within limits for Vanadium,7440-62-2 Recovery = 102.94%						
Zinc,7440-66-6†	11742.9	0.50764 mg/L	0.001866	0.50764 mg/L	0.001866	0.37%
QC value within limits for Zinc,7440-66-6 Recovery = 101.53%						
Zirconium,7440-67-7†	243963.4	0.49759 mg/L	0.001907	0.49759 mg/L	0.001907	0.38%
QC value within limits for Zirconium,7440-67-7 Recovery = 99.52%						

QC Failed. Continue with analysis.

==========

Sequence No.: 24 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 6/10/2008 12:30:05 PM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:52:02 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	3767300.5	107.904	%	0.4838				0.45%
Yttrium,7440-65-5A	2132756.3	108.947	%	0.4310				0.40%
Yttrium,7440-65-5R	260837.4	111.180	%	1.5420				1.39%
Ar 420.067 R	2090088.9	100.790	%	0.5349				0.53%
Ar 363.268 A	41801.8	96.1655	%	0.38614				0.40%
Aluminum,7429-90-5†	54.8	0.03156	mg/L	0.004306	0.03156	mg/L	0.004306	13.65%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	1.6	0.00368	mg/L	0.011491	0.00368	mg/L	0.011491	311.86%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-0.6	-0.00222	mg/L	0.009254	-0.00222	mg/L	0.009254	417.41%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	15.3	0.00023	mg/L	0.000130	0.00023	mg/L	0.000130	56.21%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	71.3	0.00002	mg/L	0.000014	0.00002	mg/L	0.000014	67.64%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	-2043.9	-0.03623	mg/L	0.000634	-0.03623	mg/L	0.000634	1.75%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	2.9	0.00008	mg/L	0.000156	0.00008	mg/L	0.000156	184.70%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-156.7	-0.01285	mg/L	0.001238	-0.01285	mg/L	0.001238	9.63%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-165.8	-0.00208	mg/L	0.000134	-0.00208	mg/L	0.000134	6.46%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	-4.1	-0.00025	mg/L	0.000038	-0.00025	mg/L	0.000038	15.35%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								

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Copper,7440-50-8†	396.3	0.00198 mg/L	0.000547	0.00198 mg/L	0.000547	27.67%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated						
Iron,7439-89-6†	74.2	0.00618 mg/L	0.001126	0.00618 mg/L	0.001126	18.22%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated						
Lead,7439-92-1†	-3.1	-0.00067 mg/L	0.003120	-0.00067 mg/L	0.003120	467.31%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated						
Lithium,7439-93-2†	-372.3	-0.00484 mg/L	0.000311	-0.00484 mg/L	0.000311	6.42%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated						
Magnesium,7439-95-4†	-56.1	-0.02283 mg/L	0.012723	-0.02283 mg/L	0.012723	55.74%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated						
Manganese,7439-96-5†	-426.0	-0.00083 mg/L	0.000015	-0.00083 mg/L	0.000015	1.87%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated						
Molybdenum,7439-98-7†	6.9	0.00167 mg/L	0.001129	0.00167 mg/L	0.001129	67.78%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated						
Nickel,7440-02-0†	18.9	0.00069 mg/L	0.000307	0.00069 mg/L	0.000307	44.15%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated						
Potassium,7440-09-7†	328.3	0.09814 mg/L	0.033562	0.09814 mg/L	0.033562	34.20%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated						
Selenium,7782-49-2†	-5.6	-0.01283 mg/L	0.003785	-0.01283 mg/L	0.003785	29.51%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated						
Silicon,7440-21-3†	-30.9	-0.00661 mg/L	0.001712	-0.00661 mg/L	0.001712	25.89%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated						
Silver,7440-22-4†	-346.8	-0.00137 mg/L	0.000636	-0.00137 mg/L	0.000636	46.53%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated						
Sodium,7440-23-5†	-2933.9	-0.58641 mg/L	0.021314	-0.58641 mg/L	0.021314	3.63%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated						
Strontium,7440-24-6†	-18.6	-0.00003 mg/L	0.000026	-0.00003 mg/L	0.000026	78.85%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated						
Thallium,7440-28-0†	0.6	0.00106 mg/L	0.004410	0.00106 mg/L	0.004410	414.21%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated						
Tin,7440-31-5†	-7.7	-0.00621 mg/L	0.001903	-0.00621 mg/L	0.001903	30.64%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6†	95.1	0.00015 mg/L	0.000357	0.00015 mg/L	0.000357	235.42%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2†	-52.9	-0.00065 mg/L	0.000608	-0.00065 mg/L	0.000608	93.64%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6†	-10.3	-0.00045 mg/L	0.000205	-0.00045 mg/L	0.000205	45.16%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7†	172.1	0.00035 mg/L	0.000242	0.00035 mg/L	0.000242	68.77%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 25
Sample ID: 20806052201
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 100X

RR 10Y DJH 6/11/08

Autosampler Location: 27
Date Collected: 6/10/2008 12:37:27 PM
Data Type: Reprocessed on 6/11/2008 9:52:04 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20806052201

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3322173.7	95.1548	%	1.81095				1.90%
Yttrium,7440-65-5A	1819588.3	92.9491	%	2.23024				2.40%
Yttrium,7440-65-5R	248319.4	105.844	%	4.9494				4.68%
Ar 420.067 R	2303479.8	111.081	%	14.5610				13.11%
Ar 363.268 A	44594.3	102.590	%	1.1297				1.10%
Aluminum,7429-90-5†	-501.3	-0.28800	mg/L	0.284837	-1151.98	mg/kg	1139.350	98.90%
Antimony,7440-36-0†	-40.3	-0.08943	mg/L	0.041247	-357.710	mg/kg	164.9888	46.12%
Arsenic,7440-38-2†	30.7	0.09767	mg/L	0.019866	390.690	mg/kg	79.4625	20.34%
Barium,7440-39-3†	197.5	0.00202	mg/L	0.000493	8.06861	mg/kg	1.973004	24.45%
Beryllium,7440-41-7†	-5933.1	-0.00156	mg/L	0.000500	-6.23738	mg/kg	1.999321	32.05%
Boron,7440-42-8†	33749.3	0.59874	mg/L	0.167313	2394.96	mg/kg	669.253	27.94%
Cadmium,7440-43-9†	-98.3	-0.00279	mg/L	0.001240	-11.1663	mg/kg	4.95883	44.41%
Calcium,7440-70-2†	1309884.9	107.384	mg/L	3.3809	429534	mg/kg	13523.7	3.15%
Chromium,7440-47-3†	1223.0	0.01529	mg/L	0.005337	61.1495	mg/kg	21.34858	34.91%
Cobalt,7440-48-4†	17.4	0.00103	mg/L	0.000675	4.13876	mg/kg	2.698912	65.21%
Copper,7440-50-8†	803.3	0.00397	mg/L	0.000928	15.8710	mg/kg	3.71246	23.39%
Iron,7439-89-6†	344.1	0.03111	mg/L	0.104308	124.445	mg/kg	417.2303	335.27%

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Lead,7439-92-1†	-17.7	-0.00228	mg/L	0.001918	-9.13582	mg/kg	7.670220	83.96%
Lithium,7439-93-2†	-123.8	-0.00145	mg/L	0.002660	-5.81517	mg/kg	10.639652	182.96%
Magnesium,7439-95-4†	2187.2	0.89240	mg/L	0.281285	3569.61	mg/kg	1125.139	31.52%
Manganese,7439-96-5†	62498.4	0.12132	mg/L	0.005514	485.281	mg/kg	22.0552	4.54%
Molybdenum,7439-98-7†	9.8	0.00123	mg/L	0.002499	4.90346	mg/kg	9.995410	203.84%
Nickel,7440-02-0†	-68.8	-0.00253	mg/L	0.002761	-10.1395	mg/kg	11.04460	108.93%
Potassium,7440-09-7†	-443.9	-0.13535	mg/L	0.171758	-541.409	mg/kg	687.0321	126.90%
Selenium,7782-49-2†	6.1	0.01371	mg/L	0.040837	54.8290	mg/kg	163.34927	297.93%
Silicon,7440-21-3†	681.5	0.14381	mg/L	0.175859	575.250	mg/kg	703.4360	122.28%
Silver,7440-22-4†	3311.1	0.01315	mg/L	0.004613	52.6183	mg/kg	18.45041	35.06%
Sodium,7440-23-5†	2724.6	0.72059	mg/L	0.176788	2882.35	mg/kg	707.153	24.53%
Strontium,7440-24-6†	137766.7	0.24571	mg/L	0.019703	982.844	mg/kg	78.8128	8.02%
Thallium,7440-28-0†	-15.8	-0.02404	mg/L	0.012391	-96.1587	mg/kg	49.56357	51.54%
Tin,7440-31-5†	22.4	0.03652	mg/L	0.016289	146.096	mg/kg	65.1541	44.60%
Titanium,7440-32-6†	138.5	0.00021	mg/L	0.000224	0.85309	mg/kg	0.896068	105.04%
Vanadium,7440-62-2†	1454.5	0.01718	mg/L	0.005569	68.7365	mg/kg	22.27612	32.41%
Zinc,7440-66-6†	-241.7	-0.00853	mg/L	0.000317	-34.1190	mg/kg	1.26820	3.72%
Zirconium,7440-67-7†	1252.5	0.00255	mg/L	0.000906	10.2160	mg/kg	3.62217	35.46%

Sequence No.: 26
Sample ID: 20806052201
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 10X

Autosampler Location: 28
Date Collected: 6/10/2008 12:47:43 PM
Data Type: Reprocessed on 6/11/2008 9:52:06 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20806052201

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3177506.0	91.0112	%	0.71079				0.78%
Yttrium,7440-65-5A	1756075.9	89.7048	%	0.66710				0.74%
Yttrium,7440-65-5R	228140.9	97.2435	%	1.23708				1.27%
Ar 420.067 R	2012917.5	97.0690	%	0.29378				0.30%
Ar 363.268 A	42246.4	97.1884	%	0.14962				0.15%
Aluminum,7429-90-5†	234.2	0.14429	mg/L	0.012400	57.7175	mg/kg	4.96001	8.59%
Antimony,7440-36-0†	-11.7	0.00079	mg/L	0.018626	0.31464	mg/kg	7.450452	>999.9%
Arsenic,7440-38-2†	50.6	0.06523	mg/L	0.031141	26.0921	mg/kg	12.45647	47.74%
Barium,7440-39-3†	2370.8	0.02727	mg/L	0.000463	10.9079	mg/kg	0.18521	1.70%
Beryllium,7440-41-7†	-2602.5	-0.00068	mg/L	0.000021	-0.27282	mg/kg	0.008490	3.11%
Boron,7440-42-8†	4226.9	0.07957	mg/L	0.005054	31.8297	mg/kg	2.02177	6.35%
Cadmium,7440-43-9†	-24.1	-0.00073	mg/L	0.000135	-0.29178	mg/kg	0.054112	18.55%
Calcium,7440-70-2†	11695098.5	958.756	mg/L	8.7795	383503	mg/kg	3511.8	0.92%
Chromium,7440-47-3†	88.9	0.00079	mg/L	0.000400	0.31674	mg/kg	0.160198	50.58%
Cobalt,7440-48-4†	17.3	0.00093	mg/L	0.000319	0.37094	mg/kg	0.127594	34.40%
Copper,7440-50-8†	327.3	0.00131	mg/L	0.000313	0.52420	mg/kg	0.125058	23.86%
Iron,7439-89-6†	14496.1	1.23019	mg/L	0.020272	492.074	mg/kg	8.1090	1.65%
Lead,7439-92-1†	-66.7	-0.00084	mg/L	0.003757	-0.33526	mg/kg	1.502700	448.22%
Lithium,7439-93-2†	-23.9	0.00109	mg/L	0.000623	0.43560	mg/kg	0.249196	57.21%
Magnesium,7439-95-4†	13254.5	5.41671	mg/L	0.097522	2166.68	mg/kg	39.009	1.80%
Manganese,7439-96-5†	600196.5	1.16502	mg/L	0.001360	466.007	mg/kg	0.5441	0.12%
Molybdenum,7439-98-7†	56.2	0.00347	mg/L	0.001767	1.38802	mg/kg	0.706779	50.92%
Nickel,7440-02-0†	48.6	0.00174	mg/L	0.000189	0.69414	mg/kg	0.075797	10.92%
Potassium,7440-09-7†	643.2	0.16858	mg/L	0.037461	67.4334	mg/kg	14.98425	22.22%
Selenium,7782-49-2†	-34.1	-0.07794	mg/L	0.014403	-31.1778	mg/kg	5.76108	18.48%
Silicon,7440-21-3†	831.0	0.15941	mg/L	0.005457	63.7641	mg/kg	2.18287	3.42%
Silver,7440-22-4†	380.8	0.00130	mg/L	0.000098	0.51903	mg/kg	0.039116	7.54%
Sodium,7440-23-5†	51323.2	11.8116	mg/L	0.24842	4724.64	mg/kg	99.368	2.10%
Strontium,7440-24-6†	1360933.8	2.43015	mg/L	0.049474	972.061	mg/kg	19.7898	2.04%
Thallium,7440-28-0†	-30.3	-0.02617	mg/L	0.013499	-10.4683	mg/kg	5.39954	51.58%
Tin,7440-31-5†	-26.0	0.14320	mg/L	0.006037	57.2820	mg/kg	2.41478	4.22%
Titanium,7440-32-6†	1931.1	0.00307	mg/L	0.000508	1.22888	mg/kg	0.203084	16.53%
Vanadium,7440-62-2†	141.6	-0.00192	mg/L	0.000904	-0.76835	mg/kg	0.361524	47.05%
Zinc,7440-66-6†	5304.5	0.24942	mg/L	0.001704	99.7663	mg/kg	0.68157	0.68%
Zirconium,7440-67-7†	76.4	0.00009	mg/L	0.000025	0.03690	mg/kg	0.010030	27.18%

Sequence No.: 27
Sample ID: 20806052202
Analyst:

Autosampler Location: 29
Date Collected: 6/10/2008 12:55:05 PM
Data Type: Reprocessed on 6/11/2008 9:52:07 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 10X

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20806052202

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3190257.5	91.3764	%	1.25603				1.37%
Yttrium,7440-65-5A	1765753.5	90.1991	%	1.18485				1.31%
Yttrium,7440-65-5R	228391.1	97.3501	%	1.99731				2.05%
Ar 420.067 R	2001286.6	96.5082	%	0.28849				0.30%
Ar 363.268 A	42236.7	97.1659	%	0.31440				0.32%
Aluminum,7429-90-5†	529.0	0.31388	mg/L	0.012301	125.552	mg/kg	4.9202	3.92%
Antimony,7440-36-0†	-7.7	0.01025	mg/L	0.011272	4.09807	mg/kg	4.508876	110.02%
Arsenic,7440-38-2†	51.4	0.07288	mg/L	0.018664	29.1528	mg/kg	7.46548	25.61%
Barium,7440-39-3†	2299.2	0.02659	mg/L	0.000457	10.6343	mg/kg	0.18284	1.72%
Beryllium,7440-41-7†	-2252.9	-0.00058	mg/L	0.000069	-0.23336	mg/kg	0.027472	11.77%
Boron,7440-42-8†	2235.8	0.04409	mg/L	0.001346	17.6345	mg/kg	0.53846	3.05%
Cadmium,7440-43-9†	-27.0	-0.00085	mg/L	0.000246	-0.33899	mg/kg	0.098298	29.00%
Calcium,7440-70-2†	11126419.2	912.136	mg/L	9.5899	364854	mg/kg	3836.0	1.05%
Chromium,7440-47-3†	67.4	0.00063	mg/L	0.000149	0.25316	mg/kg	0.059447	23.48%
Cobalt,7440-48-4†	29.1	0.00162	mg/L	0.000398	0.64865	mg/kg	0.159142	24.53%
Copper,7440-50-8†	803.7	0.00371	mg/L	0.000413	1.48586	mg/kg	0.165275	11.12%
Iron,7439-89-6†	23610.0	1.98900	mg/L	0.015052	795.598	mg/kg	6.0209	0.76%
Lead,7439-92-1†	-70.3	-0.00227	mg/L	0.001063	-0.90881	mg/kg	0.425148	46.78%
Lithium,7439-93-2†	-66.9	0.00048	mg/L	0.001980	0.19181	mg/kg	0.792035	412.93%
Magnesium,7439-95-4†	11315.2	4.62673	mg/L	0.041733	1850.69	mg/kg	16.693	0.90%
Manganese,7439-96-5†	654832.8	1.27106	mg/L	0.001411	508.425	mg/kg	0.5642	0.11%
Molybdenum,7439-98-7†	56.1	0.00397	mg/L	0.001290	1.58611	mg/kg	0.516039	32.53%
Nickel,7440-02-0†	17.1	0.00061	mg/L	0.000678	0.24562	mg/kg	0.271393	110.49%
Potassium,7440-09-7†	807.9	0.21882	mg/L	0.031618	87.5281	mg/kg	12.64735	14.45%
Selenium,7782-49-2†	-36.1	-0.08189	mg/L	0.018455	-32.7545	mg/kg	7.38182	22.54%
Silicon,7440-21-3†	858.3	0.16613	mg/L	0.004444	66.4529	mg/kg	1.77779	2.68%
Silver,7440-22-4†	259.2	0.00082	mg/L	0.000765	0.32762	mg/kg	0.306028	93.41%
Sodium,7440-23-5†	43277.5	10.1310	mg/L	0.13029	4052.39	mg/kg	52.116	1.29%
Strontium,7440-24-6†	1209528.1	2.15810	mg/L	0.024621	863.238	mg/kg	9.8485	1.14%
Thallium,7440-28-0†	-29.1	-0.02463	mg/L	0.015888	-9.85244	mg/kg	6.355176	64.50%
Tin,7440-31-5†	-35.4	0.12767	mg/L	0.004599	51.0690	mg/kg	1.83972	3.60%
Titanium,7440-32-6†	3082.0	0.00490	mg/L	0.000220	1.96075	mg/kg	0.087825	4.48%
Vanadium,7440-62-2†	261.8	-0.00073	mg/L	0.000968	-0.29164	mg/kg	0.387223	132.77%
Zinc,7440-66-6†	2164.3	0.11129	mg/L	0.001243	44.5159	mg/kg	0.49723	1.12%
Zirconium,7440-67-7†	184.5	0.00028	mg/L	0.000231	0.11273	mg/kg	0.092537	82.09%

Sequence No.: 28
Sample ID: 20806052203
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 10X

Autosampler Location: 30
Date Collected: 6/10/2008 1:02:40 PM
Data Type: Reprocessed on 6/11/2008 9:52:08 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20806052203

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3182324.3	91.1492	%	0.55141				0.60%
Yttrium,7440-65-5A	1759276.4	89.8682	%	0.50775				0.56%
Yttrium,7440-65-5R	230898.3	98.4188	%	0.42166				0.43%
Ar 420.067 R	2000900.1	96.4895	%	0.42026				0.44%
Ar 363.268 A	41899.3	96.3898	%	0.18630				0.19%
Aluminum,7429-90-5†	675.5	0.39911	mg/L	0.002039	159.644	mg/kg	0.8156	0.51%
Antimony,7440-36-0†	-10.1	0.02333	mg/L	0.003594	9.33140	mg/kg	1.437409	15.40%
Arsenic,7440-38-2†	58.4	0.09018	mg/L	0.004136	36.0712	mg/kg	1.65447	4.59%
Barium,7440-39-3†	4089.9	0.05330	mg/L	0.000577	21.3204	mg/kg	0.23066	1.08%
Beryllium,7440-41-7†	-2802.3	-0.00072	mg/L	0.000035	-0.28627	mg/kg	0.014109	4.93%
Boron,7440-42-8†	3213.8	0.06286	mg/L	0.000911	25.1450	mg/kg	0.36427	1.45%
Cadmium,7440-43-9†	-27.3	-0.00116	mg/L	0.000237	-0.46507	mg/kg	0.094906	20.41%
Calcium,7440-70-2†	11388716.5	933.639	mg/L	10.9874	373456	mg/kg	4395.0	1.18%
Chromium,7440-47-3†	63.9	0.00196	mg/L	0.000157	0.78559	mg/kg	0.062897	8.01%
Cobalt,7440-48-4†	11.5	0.00060	mg/L	0.000090	0.23840	mg/kg	0.035824	15.03%

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Copper,7440-50-8†	530.4	0.00312	mg/L	0.000227	1.24838	mg/kg	0.090815	7.27%
Iron,7439-89-6†	126475.3	10.5642	mg/L	0.04851	4225.68	mg/kg	19.406	0.46%
Lead,7439-92-1†	-74.4	-0.00281	mg/L	0.002714	-1.12545	mg/kg	1.085557	96.46%
Lithium,7439-93-2†	68.5	0.00228	mg/L	0.001414	0.91241	mg/kg	0.565550	61.98%
Magnesium,7439-95-4†	21922.3	8.94367	mg/L	0.093556	3577.47	mg/kg	37.422	1.05%
Manganese,7439-96-5†	435466.0	0.84502	mg/L	0.009552	338.010	mg/kg	3.8206	1.13%
Molybdenum,7439-98-7†	54.7	0.00338	mg/L	0.001820	1.35238	mg/kg	0.727951	53.83%
Nickel,7440-02-0†	-6.3	0.00021	mg/L	0.000306	0.08260	mg/kg	0.122591	148.41%
Potassium,7440-09-7†	463.3	0.11589	mg/L	0.035489	46.3548	mg/kg	14.19557	30.62%
Selenium,7782-49-2†	-43.2	-0.09105	mg/L	0.024010	-36.4187	mg/kg	9.60404	26.37%
Silicon,7440-21-3†	1381.6	0.27734	mg/L	0.007815	110.936	mg/kg	3.1260	2.82%
Silver,7440-22-4†	-45.4	-0.00034	mg/L	0.000814	-0.13491	mg/kg	0.325503	241.27%
Sodium,7440-23-5†	42106.6	9.73131	mg/L	0.081806	3892.52	mg/kg	32.722	0.84%
Strontium,7440-24-6†	1323001.2	2.36236	mg/L	0.013967	944.944	mg/kg	5.5868	0.59%
Thallium,7440-28-0†	-27.1	-0.02854	mg/L	0.004448	-11.4159	mg/kg	1.77915	15.58%
Tin,7440-31-5†	-34.5	0.13227	mg/L	0.005844	52.9097	mg/kg	2.33742	4.42%
Titanium,7440-32-6†	3878.6	0.00616	mg/L	0.000100	2.46281	mg/kg	0.039956	1.62%
Vanadium,7440-62-2†	111.1	-0.00645	mg/L	0.000892	-2.58142	mg/kg	0.356710	13.82%
Zinc,7440-66-6†	-9.6	0.01527	mg/L	0.000683	6.10684	mg/kg	0.273027	4.47%
Zirconium,7440-67-7†	213.9	0.00003	mg/L	0.000219	0.01195	mg/kg	0.087735	734.02%

Sequence No.: 29
Sample ID: 20806052204
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 10X

RLH DJH 6/11/08

Autosampler Location: 31
Date Collected: 6/10/2008 1:10:14 PM
Data Type: Reprocessed on 6/11/2008 9:52:10 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20806052204

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3547343.3	101.604	%	0.1083				0.11%
Yttrium,7440-65-5A	1974646.4	100.870	%	0.0572				0.06%
Yttrium,7440-65-5R	249166.9	106.206	%	0.7088				0.67%
Ar 420.067 R	2103220.2	101.424	%	0.2491				0.25%
Ar 363.268 A	42631.8	98.0749	%	0.09777				0.10%
Aluminum,7429-90-5†	69719.4	40.1811	mg/L	0.22890	16072.4	mg/kg	91.56	0.57%
Antimony,7440-36-0†	-14.1	0.05975	mg/L	0.008593	23.8998	mg/kg	3.43729	14.38%
Arsenic,7440-38-2†	-1.1	-0.00769	mg/L	0.005648	-3.07490	mg/kg	2.259077	73.47%
Barium,7440-39-3†	38298.9	0.57750	mg/L	0.001236	231.001	mg/kg	0.4946	0.21%
Beryllium,7440-41-7†	8900.9	0.00259	mg/L	0.000021	1.03410	mg/kg	0.008208	0.79%
Boron,7440-42-8†	11659.7	0.21198	mg/L	0.001532	84.7909	mg/kg	0.61295	0.72%
Cadmium,7440-43-9†	-5.1	-0.00166	mg/L	0.000026	-0.66321	mg/kg	0.010513	1.59%
Calcium,7440-70-2†	537700.8	44.0788	mg/L	0.27816	17631.5	mg/kg	111.26	0.63%
Chromium,7440-47-3†	3811.5	0.05271	mg/L	0.000310	21.0825	mg/kg	0.12402	0.59%
Cobalt,7440-48-4†	328.5	0.01941	mg/L	0.000463	7.76370	mg/kg	0.185221	2.39%
Copper,7440-50-8†	5449.8	0.03025	mg/L	0.000183	12.0981	mg/kg	0.07317	0.60%
Iron,7439-89-6†	547656.5	45.6544	mg/L	0.30402	18261.8	mg/kg	121.61	0.67%
Lead,7439-92-1†	166.8	0.03927	mg/L	0.002829	15.7084	mg/kg	1.13145	7.20%
Lithium,7439-93-2†	3667.2	0.04812	mg/L	0.000561	19.2482	mg/kg	0.22448	1.17%
Magnesium,7439-95-4†	61428.8	24.9907	mg/L	0.21217	9996.27	mg/kg	84.869	0.85%
Manganese,7439-96-5†	550507.6	1.06715	mg/L	0.003369	426.859	mg/kg	1.3476	0.32%
Molybdenum,7439-98-7†	25.9	0.00740	mg/L	0.001258	2.95900	mg/kg	0.503074	17.00%
Nickel,7440-02-0†	1250.7	0.04777	mg/L	0.000408	19.1077	mg/kg	0.16328	0.85%
Potassium,7440-09-7†	41759.4	12.4828	mg/L	0.06761	4993.11	mg/kg	27.044	0.54%
Selenium,7782-49-2†	-12.8	0.00198	mg/L	0.019274	0.79203	mg/kg	7.709723	973.42%
Silicon,7440-21-3†	9866.9	2.10661	mg/L	0.010267	842.645	mg/kg	4.1067	0.49%
Silver,7440-22-4†	-1971.4	-0.00756	mg/L	0.000275	-3.02436	mg/kg	0.110106	3.64%
Sodium,7440-23-5†	70983.7	13.6660	mg/L	0.06872	5466.41	mg/kg	27.489	0.50%
Strontium,7440-24-6†	67654.4	0.12083	mg/L	0.000792	48.3328	mg/kg	0.31679	0.66%
Thallium,7440-28-0†	3.0	-0.01283	mg/L	0.013870	-5.13015	mg/kg	5.547834	108.14%
Tin,7440-31-5†	-5.5	0.00538	mg/L	0.002699	2.15356	mg/kg	1.079789	50.14%
Titanium,7440-32-6†	40122.0	0.06374	mg/L	0.000376	25.4978	mg/kg	0.15042	0.59%
Vanadium,7440-62-2†	4727.1	0.03597	mg/L	0.001032	14.3886	mg/kg	0.41281	2.87%
Zinc,7440-66-6†	12150.8	0.52186	mg/L	0.002596	208.744	mg/kg	1.0383	0.50%
Zirconium,7440-67-7†	9300.7	0.01723	mg/L	0.000133	6.89259	mg/kg	0.053360	0.77%

Sequence No.: 30 **Autosampler Location: 32**

Sample ID: 20806052208
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Date Collected: 6/10/2008 1:16:37 PM
Data Type: Reprocessed on 6/11/2008 9:52:11 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

RL DJH 6/11/08

Mean Data: 20806052208

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3567345.0	102.177	%	0.5955				0.58%
Yttrium,7440-65-5A	2103992.8	107.477	%	0.3955				0.37%
Yttrium,7440-65-5R	269628.2	114.927	%	0.9725				0.85%
Ar 420.067 R	2087198.2	100.651	%	0.1745				0.17%
Ar 363.268 A	39013.5	89.7510	%	0.10378				0.12%
Aluminum,7429-90-5†	476319.2	274.501	mg/L	3.5553	10980.0	mg/kg	142.21	1.30%
Antimony,7440-36-0†	-62.9	0.33671	mg/L	0.009018	13.4682	mg/kg	0.36071	2.68%
Arsenic,7440-38-2†	22.5	-0.17090	mg/L	0.007078	-6.83615	mg/kg	0.283138	4.14%
Barium,7440-39-3†	54467.7	0.81697	mg/L	0.004500	32.6788	mg/kg	0.18001	0.55%
Beryllium,7440-41-7†	64806.7	0.01978	mg/L	0.000089	0.79136	mg/kg	0.003567	0.45%
Boron,7440-42-8†	77199.7	1.39787	mg/L	0.009071	55.9150	mg/kg	0.36284	0.65%
Cadmium,7440-43-9†	108.7	-0.00461	mg/L	0.000178	-0.18459	mg/kg	0.007121	3.86%
Calcium,7440-70-2†	807534.0	66.1959	mg/L	0.88013	2647.84	mg/kg	35.205	1.33%
Chromium,7440-47-3†	25090.7	0.33947	mg/L	0.002975	13.5786	mg/kg	0.11900	0.88%
Cobalt,7440-48-4†	1426.0	0.08354	mg/L	0.000923	3.34170	mg/kg	0.036916	1.10%
Copper,7440-50-8†	42001.4	0.22709	mg/L	0.000790	9.08360	mg/kg	0.031604	0.35%
Iron,7439-89-6†	2912398.0	242.780	mg/L	2.8239	9711.21	mg/kg	112.958	1.16%
Lead,7439-92-1†	959.1	0.22672	mg/L	0.003102	9.06866	mg/kg	0.124091	1.37%
Lithium,7439-93-2†	21956.3	0.28746	mg/L	0.004578	11.4986	mg/kg	0.18311	1.59%
Magnesium,7439-95-4†	330582.2	134.490	mg/L	1.8530	5379.58	mg/kg	74.122	1.38%
Manganese,7439-96-5†	1378920.5	2.66821	mg/L	0.004382	106.728	mg/kg	0.1753	0.16%
Molybdenum,7439-98-7†	1.1	0.00932	mg/L	0.001713	0.37260	mg/kg	0.068516	18.39%
Nickel,7440-02-0†	6736.8	0.25686	mg/L	0.002863	10.2743	mg/kg	0.11450	1.11%
Potassium,7440-09-7†	330234.5	98.7232	mg/L	1.58076	3948.93	mg/kg	63.231	1.60%
Selenium,7782-49-2†	5.7	0.17469	mg/L	0.025482	6.98772	mg/kg	1.019262	14.59%
Silicon,7440-21-3†	106488.8	22.7710	mg/L	0.30759	910.840	mg/kg	12.3038	1.35%
Silver,7440-22-4†	-9666.5	-0.03546	mg/L	0.000248	-1.41837	mg/kg	0.009918	0.70%
Sodium,7440-23-5†	563271.3	109.386	mg/L	1.0499	4375.42	mg/kg	41.996	0.96%
Strontium,7440-24-6†	546400.7	0.98429	mg/L	0.013035	39.3715	mg/kg	0.52139	1.32%
Thallium,7440-28-0†	29.6	-0.06692	mg/L	0.016021	-2.67675	mg/kg	0.640846	23.94%
Tin,7440-31-5†	12.3	0.03603	mg/L	0.002335	1.44118	mg/kg	0.093409	6.48%
Titanium,7440-32-6†	411478.9	0.65411	mg/L	0.002252	26.1645	mg/kg	0.09006	0.34%
Vanadium,7440-62-2†	35274.3	0.31373	mg/L	0.004179	12.5493	mg/kg	0.16715	1.33%
Zinc,7440-66-6†	21107.6	0.87367	mg/L	0.006746	34.9469	mg/kg	0.26983	0.77%
Zirconium,7440-67-7†	103507.5	0.20179	mg/L	0.001620	8.07169	mg/kg	0.064804	0.80%

Sequence No.: 31
Sample ID: 20806052209
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 33
Date Collected: 6/10/2008 1:23:07 PM
Data Type: Reprocessed on 6/11/2008 9:52:15 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20806052209

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3572897.5	102.336	%	0.3731				0.36%
Yttrium,7440-65-5A	2110873.3	107.829	%	0.3570				0.33%
Yttrium,7440-65-5R	269002.6	114.660	%	1.2153				1.06%
Ar 420.067 R	2097642.9	101.155	%	0.1424				0.14%
Ar 363.268 A	39300.1	90.4102	%	0.46902				0.52%
Aluminum,7429-90-5†	426882.7	246.011	mg/L	3.6076	9840.46	mg/kg	144.305	1.47%
Antimony,7440-36-0†	-61.3	0.30655	mg/L	0.007187	12.2620	mg/kg	0.28746	2.34%
Arsenic,7440-38-2†	9.8	-0.19143	mg/L	0.019597	-7.65736	mg/kg	0.783891	10.24%
Barium,7440-39-3†	47048.2	0.70555	mg/L	0.000599	28.2220	mg/kg	0.02396	0.08%
Beryllium,7440-41-7†	59460.1	0.01746	mg/L	0.000012	0.69823	mg/kg	0.000479	0.07%
Boron,7440-42-8†	69210.9	1.25434	mg/L	0.004852	50.1738	mg/kg	0.19410	0.39%
Cadmium,7440-43-9†	75.1	-0.00504	mg/L	0.000248	-0.20170	mg/kg	0.009940	4.93%
Calcium,7440-70-2†	393898.7	32.2873	mg/L	0.47781	1291.49	mg/kg	19.112	1.48%

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Chromium,7440-47-3†	22803.7	0.30951 mg/L	0.000320	12.3802 mg/kg	0.01281	0.10%
Cobalt,7440-48-4†	1475.6	0.08705 mg/L	0.000562	3.48194 mg/kg	0.022467	0.65%
Copper,7440-50-8†	36537.4	0.19871 mg/L	0.000786	7.94837 mg/kg	0.031439	0.40%
Iron,7439-89-6†	2709694.0	225.882 mg/L	0.8048	9035.27 mg/kg	32.193	0.36%
Lead,7439-92-1†	852.7	0.20142 mg/L	0.003207	8.05666 mg/kg	0.128285	1.59%
Lithium,7439-93-2†	20941.0	0.27401 mg/L	0.002033	10.9605 mg/kg	0.08132	0.74%
Magnesium,7439-95-4†	314854.1	128.090 mg/L	2.1439	5123.58 mg/kg	85.754	1.67%
Manganese,7439-96-5†	934547.6	1.80634 mg/L	0.000993	72.2536 mg/kg	0.03972	0.05%
Molybdenum,7439-98-7†	2.8	0.00904 mg/L	0.001523	0.36157 mg/kg	0.060919	16.85%
Nickel,7440-02-0†	6708.5	0.25530 mg/L	0.001933	10.2120 mg/kg	0.07732	0.76%
Potassium,7440-09-7†	300454.7	89.8220 mg/L	1.21131	3592.88 mg/kg	48.452	1.35%
Selenium,7782-49-2†	20.1	0.19735 mg/L	0.028314	7.89420 mg/kg	1.132551	14.35%
Silicon,7440-21-3†	123538.8	26.4244 mg/L	0.41720	1056.98 mg/kg	16.688	1.58%
Silver,7440-22-4†	-9065.7	-0.03310 mg/L	0.000247	-1.32404 mg/kg	0.009880	0.75%
Sodium,7440-23-5†	583925.9	113.585 mg/L	0.4521	4543.39 mg/kg	18.086	0.40%
Strontium,7440-24-6†	295416.6	0.53211 mg/L	0.007392	21.2844 mg/kg	0.29568	1.39%
Thallium,7440-28-0†	32.6	-0.06009 mg/L	0.010958	-2.40357 mg/kg	0.438310	18.24%
Tin,7440-31-5†	-0.4	0.01796 mg/L	0.002633	0.71856 mg/kg	0.105316	14.66%
Titanium,7440-32-6†	281589.3	0.44750 mg/L	0.000846	17.9001 mg/kg	0.03383	0.19%
Vanadium,7440-62-2†	33104.0	0.29560 mg/L	0.001831	11.8240 mg/kg	0.07325	0.62%
Zinc,7440-66-6†	19569.7	0.80925 mg/L	0.001395	32.3701 mg/kg	0.05579	0.17%
Zirconium,7440-67-7†	91156.4	0.17738 mg/L	0.000158	7.09534 mg/kg	0.006327	0.09%

Sequence No.: 32
Sample ID: 20806052210
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

RL DTK 6/11/08

Autosampler Location: 34
Date Collected: 6/10/2008 1:29:52 PM
Data Type: Reprocessed on 6/11/2008 9:52:16 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20806052210

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3508741.7	100.499	%	1.0224				1.02%
Yttrium,7440-65-5A	2114186.2	107.998	%	1.1019				1.02%
Yttrium,7440-65-5R	268446.3	114.423	%	1.1782				1.03%
Ar 420.067 R	2085123.4	100.551	%	0.3366				0.33%
Ar 363.268 A	37989.6	87.3956	%	0.13347				0.15%
Aluminum,7429-90-5†	514137.0	296.300	mg/L	4.9214	11852.0	mg/kg	196.86	1.66%
Antimony,7440-36-0†	-77.0	0.44102	mg/L	0.001226	17.6408	mg/kg	0.04904	0.28%
Arsenic,7440-38-2†	22.6	-0.21854	mg/L	0.025806	-8.74153	mg/kg	1.032236	11.81%
Barium,7440-39-3†	111407.2	1.67663	mg/L	0.030129	67.0651	mg/kg	1.20515	1.80%
Beryllium,7440-41-7†	74673.5	0.02064	mg/L	0.000305	0.82567	mg/kg	0.012212	1.48%
Boron,7440-42-8†	89082.9	1.61751	mg/L	0.026654	64.7003	mg/kg	1.06616	1.65%
Cadmium,7440-43-9†	141.3	-0.00612	mg/L	0.000258	-0.24473	mg/kg	0.010313	4.21%
Calcium,7440-70-2†	376674.0	30.8740	mg/L	0.53888	1234.96	mg/kg	21.555	1.75%
Chromium,7440-47-3†	27498.4	0.37934	mg/L	0.007016	15.1738	mg/kg	0.28062	1.85%
Cobalt,7440-48-4†	1987.5	0.11800	mg/L	0.001030	4.72008	mg/kg	0.041208	0.87%
Copper,7440-50-8†	41236.4	0.22826	mg/L	0.004430	9.13049	mg/kg	0.177204	1.94%
Iron,7439-89-6†	3726496.8	310.643	mg/L	5.1957	12425.7	mg/kg	207.83	1.67%
Lead,7439-92-1†	983.7	0.23328	mg/L	0.002654	9.33111	mg/kg	0.106178	1.14%
Lithium,7439-93-2†	27649.1	0.36175	mg/L	0.006038	14.4702	mg/kg	0.24150	1.67%
Magnesium,7439-95-4†	391369.0	159.224	mg/L	3.0474	6368.96	mg/kg	121.897	1.91%
Manganese,7439-96-5†	1075198.6	2.07706	mg/L	0.004203	83.0823	mg/kg	0.16813	0.20%
Molybdenum,7439-98-7†	-2.5	0.00977	mg/L	0.000377	0.39091	mg/kg	0.015090	3.86%
Nickel,7440-02-0†	9205.0	0.35084	mg/L	0.003916	14.0335	mg/kg	0.15664	1.12%
Potassium,7440-09-7†	318756.7	95.2942	mg/L	1.74791	3811.77	mg/kg	69.916	1.83%
Selenium,7782-49-2†	25.6	0.27188	mg/L	0.028956	10.8753	mg/kg	1.15822	10.65%
Silicon,7440-21-3†	56727.5	12.1129	mg/L	0.20426	484.517	mg/kg	8.1703	1.69%
Silver,7440-22-4†	-12566.5	-0.04653	mg/L	0.000134	-1.86115	mg/kg	0.005353	0.29%
Sodium,7440-23-5†	695435.1	134.487	mg/L	2.1557	5379.48	mg/kg	86.227	1.60%
Strontium,7440-24-6†	277741.6	0.50010	mg/L	0.008455	20.0042	mg/kg	0.33820	1.69%
Thallium,7440-28-0†	35.2	-0.10319	mg/L	0.007481	-4.12744	mg/kg	0.299245	7.25%
Tin,7440-31-5†	3.3	0.02330	mg/L	0.001653	0.93213	mg/kg	0.066124	7.09%
Titanium,7440-32-6†	178311.0	0.28305	mg/L	0.000344	11.3220	mg/kg	0.01376	0.12%
Vanadium,7440-62-2†	38323.5	0.31945	mg/L	0.010151	12.7780	mg/kg	0.40603	3.18%
Zinc,7440-66-6†	20139.2	0.81730	mg/L	0.015796	32.6921	mg/kg	0.63183	1.93%
Zirconium,7440-67-7†	62263.0	0.11536	mg/L	0.001907	4.61439	mg/kg	0.076298	1.65%

171438

Sequence No.: 33
Sample ID: 20806052211
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 35
Date Collected: 6/10/2008 1:36:18 PM
Data Type: Reprocessed on 6/11/2008 9:52:17 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

RR DTH 6/11/08

Mean Data: 20806052211

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3302963.8	94.6046	%	1.32305				1.40%
Yttrium,7440-65-5A	1952062.1	99.7162	%	1.32888				1.33%
Yttrium,7440-65-5R	259146.3	110.459	%	1.1010				1.00%
Ar 420.067 R	1972186.5	95.1049	%	0.24089				0.25%
Ar 363.268 A	36153.2	83.1709	%	0.22595				0.27%
Aluminum,7429-90-5†	674580.2	388.771	mg/L	2.2721	15550.8	mg/kg	90.89	0.58%
Antimony,7440-36-0†	-95.4	0.57594	mg/L	0.017579	23.0376	mg/kg	0.70314	3.05%
Arsenic,7440-38-2†	70.5	-0.21187	mg/L	0.027379	-8.47477	mg/kg	1.095178	12.92%
Barium,7440-39-3†	98836.5	1.47813	mg/L	0.023951	59.1252	mg/kg	0.95804	1.62%
Beryllium,7440-41-7†	75816.3	0.02400	mg/L	0.000244	0.96017	mg/kg	0.009773	1.02%
Boron,7440-42-8†	111726.2	2.02973	mg/L	0.036531	81.1893	mg/kg	1.46124	1.80%
Cadmium,7440-43-9†	214.0	-0.00650	mg/L	0.000168	-0.26008	mg/kg	0.006730	2.59%
Calcium,7440-70-2†	9254795.8	758.692	mg/L	17.0730	30347.7	mg/kg	682.92	2.25%
Chromium,7440-47-3†	32523.4	0.44869	mg/L	0.006910	17.9478	mg/kg	0.27639	1.54%
Cobalt,7440-48-4†	2424.0	0.14221	mg/L	0.002216	5.68833	mg/kg	0.088628	1.56%
Copper,7440-50-8†	41386.2	0.23396	mg/L	0.003814	9.35836	mg/kg	0.152560	1.63%
Iron,7439-89-6†	4678572.5	390.026	mg/L	8.6148	15601.0	mg/kg	344.59	2.21%
Lead,7439-92-1†	728.3	0.19469	mg/L	0.001020	7.78769	mg/kg	0.040783	0.52%
Lithium,7439-93-2†	36497.4	0.47863	mg/L	0.000629	19.1453	mg/kg	0.02518	0.13%
Magnesium,7439-95-4†	561323.8	228.372	mg/L	1.0518	9134.90	mg/kg	42.072	0.46%
Manganese,7439-96-5†	2957357.4	5.72744	mg/L	0.004159	229.098	mg/kg	0.1664	0.07%
Molybdenum,7439-98-7†	24.0	0.01211	mg/L	0.000634	0.48436	mg/kg	0.025343	5.23%
Nickel,7440-02-0†	9349.0	0.35881	mg/L	0.003452	14.3525	mg/kg	0.13808	0.96%
Potassium,7440-09-7†	356354.4	106.516	mg/L	0.3962	4260.62	mg/kg	15.846	0.37%
Selenium,7782-49-2†	22.2	0.31321	mg/L	0.036566	12.5285	mg/kg	1.46264	11.67%
Silicon,7440-21-3†	106563.5	22.7568	mg/L	0.16804	910.272	mg/kg	6.7216	0.74%
Silver,7440-22-4†	-15249.7	-0.05647	mg/L	0.000346	-2.25873	mg/kg	0.013826	0.61%
Sodium,7440-23-5†	614973.8	118.821	mg/L	2.8151	4752.82	mg/kg	112.603	2.37%
Strontium,7440-24-6†	790940.2	1.40601	mg/L	0.031941	56.2403	mg/kg	1.27762	2.27%
Thallium,7440-28-0†	22.4	-0.12870	mg/L	0.008470	-5.14807	mg/kg	0.338799	6.58%
Tin,7440-31-5†	-5.1	0.14799	mg/L	0.002950	5.91942	mg/kg	0.118009	1.99%
Titanium,7440-32-6†	612670.4	0.97391	mg/L	0.001495	38.9562	mg/kg	0.05982	0.15%
Vanadium,7440-62-2†	52488.5	0.45183	mg/L	0.010771	18.0733	mg/kg	0.43085	2.38%
Zinc,7440-66-6†	21636.5	0.88001	mg/L	0.016059	35.2005	mg/kg	0.64235	1.82%
Zirconium,7440-67-7†	83483.3	0.15511	mg/L	0.002796	6.20434	mg/kg	0.111830	1.80%

Sequence No.: 34
Sample ID: ---
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 36
Date Collected: 6/10/2008 1:43:02 PM
Data Type: Reprocessed on 6/11/2008 9:52:18 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ---

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3758405.8	107.649	%	0.6783				0.63%
Yttrium,7440-65-5A	2114929.5	108.036	%	0.6451				0.60%
Yttrium,7440-65-5R	256295.5	109.244	%	1.3878				1.27%
Ar 420.067 R	2168519.1	104.573	%	0.1882				0.18%
Ar 363.268 A	43173.1	99.3202	%	0.23890				0.24%
Aluminum,7429-90-5†	40.8	0.02348	mg/L	0.008825	0.02348	mg/L	0.008825	37.58%
Antimony,7440-36-0†	-4.9	-0.01117	mg/L	0.003072	-0.01117	mg/L	0.003072	27.50%
Arsenic,7440-38-2†	-0.2	-0.00079	mg/L	0.002361	-0.00079	mg/L	0.002361	300.04%
Barium,7440-39-3†	15.5	0.00023	mg/L	0.000060	0.00023	mg/L	0.000060	25.67%
Beryllium,7440-41-7†	-222.3	-0.00006	mg/L	0.000005	-0.00006	mg/L	0.000005	9.28%
Boron,7440-42-8†	-2291.4	-0.04062	mg/L	0.000132	-0.04062	mg/L	0.000132	0.32%

Cadmium,7440-43-9†	-1.1	-0.00003 mg/L	0.000246	-0.00003 mg/L	0.000246	827.35%
Calcium,7440-70-2†	148.1	0.01214 mg/L	0.009931	0.01214 mg/L	0.009931	81.80%
Chromium,7440-47-3†	-115.8	-0.00145 mg/L	0.000599	-0.00145 mg/L	0.000599	41.20%
Cobalt,7440-48-4†	-2.8	-0.00017 mg/L	0.000411	-0.00017 mg/L	0.000411	241.80%
Copper,7440-50-8†	-801.9	-0.00400 mg/L	0.000253	-0.00400 mg/L	0.000253	6.33%
Iron,7439-89-6†	-143.7	-0.01198 mg/L	0.004780	-0.01198 mg/L	0.004780	39.90%
Lead,7439-92-1†	-7.2	-0.00154 mg/L	0.000664	-0.00154 mg/L	0.000664	43.05%
Lithium,7439-93-2†	-732.9	-0.00953 mg/L	0.000620	-0.00953 mg/L	0.000620	6.51%
Magnesium,7439-95-4†	-3.6	-0.00144 mg/L	0.003952	-0.00144 mg/L	0.003952	274.32%
Manganese,7439-96-5†	-1789.1	-0.00347 mg/L	0.000260	-0.00347 mg/L	0.000260	7.50%
Molybdenum,7439-98-7†	3.2	0.00078 mg/L	0.000134	0.00078 mg/L	0.000134	17.16%
Nickel,7440-02-0†	-8.1	-0.00030 mg/L	0.000300	-0.00030 mg/L	0.000300	100.49%
Potassium,7440-09-7†	1014.3	0.30322 mg/L	0.030898	0.30322 mg/L	0.030898	10.19%
Selenium,7782-49-2†	-4.5	-0.01036 mg/L	0.003513	-0.01036 mg/L	0.003513	33.92%
Silicon,7440-21-3†	40.4	0.00864 mg/L	0.003560	0.00864 mg/L	0.003560	41.19%
Silver,7440-22-4†	-267.3	-0.00104 mg/L	0.000292	-0.00104 mg/L	0.000292	27.99%
Sodium,7440-23-5†	-1561.0	-0.31218 mg/L	0.021305	-0.31218 mg/L	0.021305	6.82%
Strontium,7440-24-6†	-17.9	-0.00003 mg/L	0.000098	-0.00003 mg/L	0.000098	299.64%
Thallium,7440-28-0†	0.6	0.00095 mg/L	0.004882	0.00095 mg/L	0.004882	516.28%
Tin,7440-31-5†	-10.4	-0.00842 mg/L	0.000848	-0.00842 mg/L	0.000848	10.07%
Titanium,7440-32-6†	275.5	0.00044 mg/L	0.000065	0.00044 mg/L	0.000065	14.74%
Vanadium,7440-62-2†	54.3	0.00065 mg/L	0.000012	0.00065 mg/L	0.000012	1.82%
Zinc,7440-66-6†	-89.8	-0.00391 mg/L	0.000107	-0.00391 mg/L	0.000107	2.73%
Zirconium,7440-67-7†	170.6	0.00035 mg/L	0.000146	0.00035 mg/L	0.000146	42.00%

Sequence No.: 35
Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 6/10/2008 1:50:29 PM
Data Type: Reprocessed on 6/11/2008 9:52:20 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1800

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3555625.6	101.841	%	1.1423				1.12%
Yttrium,7440-65-5A	1982248.5	101.258	%	0.9225				0.91%
Yttrium,7440-65-5R	242329.2	103.291	%	0.9292				0.90%
Ar 420.067 R	2118987.6	102.184	%	0.1454				0.14%
Ar 363.268 A	42831.1	98.5334	%	0.10750				0.11%
Aluminum,7429-90-5†	8636.2	4.97303	mg/L	0.067889	4.97303	mg/L	0.067889	1.37%
QC value within limits for Aluminum,7429-90-5 Recovery = 99.46%								
Antimony,7440-36-0†	216.7	0.51067	mg/L	0.017597	0.51067	mg/L	0.017597	3.45%
QC value within limits for Antimony,7440-36-0 Recovery = 102.13%								
Arsenic,7440-38-2†	137.4	0.49421	mg/L	0.004946	0.49421	mg/L	0.004946	1.00%
QC value within limits for Arsenic,7440-38-2 Recovery = 98.84%								
Barium,7440-39-3†	33113.5	0.50004	mg/L	0.002933	0.50004	mg/L	0.002933	0.59%
QC value within limits for Barium,7440-39-3 Recovery = 100.01%								
Beryllium,7440-41-7†	1910776.4	0.50175	mg/L	0.000476	0.50175	mg/L	0.000476	0.09%
QC value within limits for Beryllium,7440-41-7 Recovery = 100.35%								
Boron,7440-42-8†	123586.7	2.19083	mg/L	0.025514	2.19083	mg/L	0.025514	1.16%
QC value less than the lower limit for Boron,7440-42-8 Recovery = 87.63%								
Cadmium,7440-43-9†	17705.7	0.50077	mg/L	0.003636	0.50077	mg/L	0.003636	0.73%
QC value within limits for Cadmium,7440-43-9 Recovery = 100.15%								
Calcium,7440-70-2†	62981.6	5.16407	mg/L	0.107916	5.16407	mg/L	0.107916	2.09%
QC value within limits for Calcium,7440-70-2 Recovery = 103.28%								
Chromium,7440-47-3†	39726.9	0.49842	mg/L	0.001992	0.49842	mg/L	0.001992	0.40%
QC value within limits for Chromium,7440-47-3 Recovery = 99.68%								
Cobalt,7440-48-4†	8374.0	0.50011	mg/L	0.003614	0.50011	mg/L	0.003614	0.72%
QC value within limits for Cobalt,7440-48-4 Recovery = 100.02%								
Copper,7440-50-8†	99568.3	0.49734	mg/L	0.002240	0.49734	mg/L	0.002240	0.45%
QC value within limits for Copper,7440-50-8 Recovery = 99.47%								
Iron,7439-89-6†	61346.6	5.11429	mg/L	0.103956	5.11429	mg/L	0.103956	2.03%
QC value within limits for Iron,7439-89-6 Recovery = 102.29%								
Lead,7439-92-1†	2339.4	0.50374	mg/L	0.007953	0.50374	mg/L	0.007953	1.58%
QC value within limits for Lead,7439-92-1 Recovery = 100.75%								
Lithium,7439-93-2†	38506.1	0.50063	mg/L	0.009723	0.50063	mg/L	0.009723	1.94%
QC value within limits for Lithium,7439-93-2 Recovery = 100.13%								
Magnesium,7439-95-4†	12642.6	5.14322	mg/L	0.103966	5.14322	mg/L	0.103966	2.02%

171440

QC value within limits for Magnesium,7439-95-4 Recovery = 102.86%

Manganese,7439-96-5†	260483.5	0.50525 mg/L	0.000821	0.50525 mg/L	0.000821	0.16%
QC value within limits for Manganese,7439-96-5 Recovery = 101.05%						
Molybdenum,7439-98-7†	2078.3	0.50167 mg/L	0.007615	0.50167 mg/L	0.007615	1.52%
QC value within limits for Molybdenum,7439-98-7 Recovery = 100.33%						
Nickel,7440-02-0†	13756.6	0.50457 mg/L	0.000808	0.50457 mg/L	0.000808	0.16%
QC value within limits for Nickel,7440-02-0 Recovery = 100.91%						
Potassium,7440-09-7†	33927.0	10.1409 mg/L	0.25189	10.1409 mg/L	0.25189	2.48%
QC value within limits for Potassium,7440-09-7 Recovery = 101.41%						
Selenium,7782-49-2†	208.5	0.47768 mg/L	0.018804	0.47768 mg/L	0.018804	3.94%
QC value within limits for Selenium,7782-49-2 Recovery = 95.54%						
Silicon,7440-21-3†	18176.7	3.89026 mg/L	0.080402	3.89026 mg/L	0.080402	2.07%
QC value less than the lower limit for Silicon,7440-21-3 Recovery = 77.81%						
Silver,7440-22-4†	128657.3	0.50998 mg/L	0.002313	0.50998 mg/L	0.002313	0.45%
QC value within limits for Silver,7440-22-4 Recovery = 102.00%						
Sodium,7440-23-5†	98507.4	19.7983 mg/L	0.39542	19.7983 mg/L	0.39542	2.00%
QC value within limits for Sodium,7440-23-5 Recovery = 98.99%						
Strontium,7440-24-6†	280618.0	0.50649 mg/L	0.007975	0.50649 mg/L	0.007975	1.57%
QC value within limits for Strontium,7440-24-6 Recovery = 101.30%						
Thallium,7440-28-0†	294.0	0.50491 mg/L	0.011108	0.50491 mg/L	0.011108	2.20%
QC value within limits for Thallium,7440-28-0 Recovery = 100.98%						
Tin,7440-31-5†	610.7	0.49884 mg/L	0.006947	0.49884 mg/L	0.006947	1.39%
QC value within limits for Tin,7440-31-5 Recovery = 99.77%						
Titanium,7440-32-6†	314951.9	0.50083 mg/L	0.000605	0.50083 mg/L	0.000605	0.12%
QC value within limits for Titanium,7440-32-6 Recovery = 100.17%						
Vanadium,7440-62-2†	41679.1	0.50021 mg/L	0.003151	0.50021 mg/L	0.003151	0.63%
QC value within limits for Vanadium,7440-62-2 Recovery = 100.04%						
Zinc,7440-66-6†	11465.5	0.49565 mg/L	0.002889	0.49565 mg/L	0.002889	0.58%
QC value within limits for Zinc,7440-66-6 Recovery = 99.13%						
Zirconium,7440-67-7†	244103.2	0.49789 mg/L	0.000871	0.49789 mg/L	0.000871	0.18%
QC value within limits for Zirconium,7440-67-7 Recovery = 99.58%						

QC Failed. Continue with analysis.

Sequence No.: 36 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 6/10/2008 1:58:28 PM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:52:21 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	3627586.8	103.903	%	0.6783				0.65%
Yttrium,7440-65-5A	2037246.4	104.068	%	0.6374				0.61%
Yttrium,7440-65-5R	249419.6	106.313	%	2.3988				2.26%
Ar 420.067 R	2118251.8	102.149	%	0.2149				0.21%
Ar 363.268 A	42883.8	98.6547	%	0.39427				0.40%
Aluminum,7429-90-5†	-13.4	-0.00774	mg/L	0.012398	-0.00774	mg/L	0.012398	160.22%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	-1.5	-0.00356	mg/L	0.006119	-0.00356	mg/L	0.006119	171.94%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-2.7	-0.00987	mg/L	0.009057	-0.00987	mg/L	0.009057	91.73%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	18.3	0.00028	mg/L	0.000073	0.00028	mg/L	0.000073	26.44%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-33.6	-0.00001	mg/L	0.000034	-0.00001	mg/L	0.000034	465.86%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	-1456.4	-0.02582	mg/L	0.001428	-0.02582	mg/L	0.001428	5.53%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-3.3	-0.00009	mg/L	0.000053	-0.00009	mg/L	0.000053	57.23%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	74.9	0.00613	mg/L	0.000531	0.00613	mg/L	0.000531	8.66%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-123.8	-0.00155	mg/L	0.000603	-0.00155	mg/L	0.000603	38.85%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	-4.6	-0.00027	mg/L	0.000295	-0.00027	mg/L	0.000295	107.71%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	213.1	0.00106	mg/L	0.000378	0.00106	mg/L	0.000378	35.55%

QC value within limits for Copper,7440-50-8 Recovery = Not calculated
Iron,7439-89-6† -75.6 -0.00630 mg/L 0.000764 -0.00630 mg/L 0.000764 12.11%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated
Lead,7439-92-1† -1.9 -0.00041 mg/L 0.002319 -0.00041 mg/L 0.002319 565.00%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated
Lithium,7439-93-2† -228.3 -0.00297 mg/L 0.001600 -0.00297 mg/L 0.001600 53.92%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated
Magnesium,7439-95-4† -12.2 -0.00498 mg/L 0.008422 -0.00498 mg/L 0.008422 169.16%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated
Manganese,7439-96-5† 77.2 0.00015 mg/L 0.000100 0.00015 mg/L 0.000100 66.72%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated
Molybdenum,7439-98-7† 1.9 0.00045 mg/L 0.000724 0.00045 mg/L 0.000724 162.29%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated
Nickel,7440-02-0† -1.3 -0.00005 mg/L 0.000353 -0.00005 mg/L 0.000353 751.20%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated
Potassium,7440-09-7† 309.7 0.09258 mg/L 0.007294 0.09258 mg/L 0.007294 7.88%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated
Selenium,7782-49-2† -9.8 -0.02239 mg/L 0.021930 -0.02239 mg/L 0.021930 97.93%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated
Silicon,7440-21-3† 1.7 0.00036 mg/L 0.002329 0.00036 mg/L 0.002329 655.19%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated
Silver,7440-22-4† -157.3 -0.00062 mg/L 0.000211 -0.00062 mg/L 0.000211 34.27%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated
Sodium,7440-23-5† -2730.4 -0.54546 mg/L 0.027699 -0.54546 mg/L 0.027699 5.08%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated
Strontium,7440-24-6† 78.6 0.00014 mg/L 0.000102 0.00014 mg/L 0.000102 71.87%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated
Thallium,7440-28-0† 1.7 0.00290 mg/L 0.005697 0.00290 mg/L 0.005697 196.17%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated
Tin,7440-31-5† -7.5 -0.00610 mg/L 0.001575 -0.00610 mg/L 0.001575 25.84%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated
Titanium,7440-32-6† 103.3 0.00016 mg/L 0.000146 0.00016 mg/L 0.000146 88.99%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated
Vanadium,7440-62-2† 15.7 0.00018 mg/L 0.000305 0.00018 mg/L 0.000305 167.06%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated
Zinc,7440-66-6† -17.7 -0.00077 mg/L 0.000199 -0.00077 mg/L 0.000199 25.74%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated
Zirconium,7440-67-7† 289.4 0.00059 mg/L 0.000161 0.00059 mg/L 0.000161 27.24%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
All analyte(s) passed.QC.

Sequence No.: 37 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 6/10/2008 2:30:49 PM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:52:22 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

RL DSK 6/11/08

Mean Data: 1800

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3526363.2	101.003	%	1.0213				1.01%
Yttrium,7440-65-5A	1952620.7	99.7448	%	1.03569				1.04%
Yttrium,7440-65-5R	243150.5	103.641	%	0.0237				0.02%
Ar 420.067 R	2123225.9	102.388	%	0.2395				0.23%
Ar 363.268 A	42985.1	98.8876	%	0.35612				0.36%
Aluminum,7429-90-5†	8678.7	4.99750	mg/L	0.038189	4.99750	mg/L	0.038189	0.76%
QC value within limits for Aluminum,7429-90-5 Recovery = 99.95%								
Antimony,7440-36-0†	215.3	0.50757	mg/L	0.006730	0.50757	mg/L	0.006730	1.33%
QC value within limits for Antimony,7440-36-0 Recovery = 101.51%								
Arsenic,7440-38-2†	139.5	0.50186	mg/L	0.016666	0.50186	mg/L	0.016666	3.32%
QC value within limits for Arsenic,7440-38-2 Recovery = 100.37%								
Barium,7440-39-3†	33292.9	0.50274	mg/L	0.010163	0.50274	mg/L	0.010163	2.02%
QC value within limits for Barium,7440-39-3 Recovery = 100.55%								
Beryllium,7440-41-7†	1894922.2	0.49759	mg/L	0.000451	0.49759	mg/L	0.000451	0.09%
QC value within limits for Beryllium,7440-41-7 Recovery = 99.52%								
Boron,7440-42-8†	124338.4	2.20416	mg/L	0.037725	2.20416	mg/L	0.037725	1.71%
QC value less than the lower limit for Boron,7440-42-8 Recovery = 88.17%								
Cadmium,7440-43-9†	17780.3	0.50288	mg/L	0.009683	0.50288	mg/L	0.009683	1.93%

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QC value within limits for Cadmium,7440-43-9 Recovery = 100.58%
Calcium,7440-70-2† 63692.5 5.22237 mg/L 0.048833 5.22237 mg/L 0.048833 0.94%
QC value within limits for Calcium,7440-70-2 Recovery = 104.45%
Chromium,7440-47-3† 40038.7 0.50233 mg/L 0.010629 0.50233 mg/L 0.010629 2.12%
QC value within limits for Chromium,7440-47-3 Recovery = 100.47%
Cobalt,7440-48-4† 8431.1 0.50354 mg/L 0.008830 0.50354 mg/L 0.008830 1.75%
QC value within limits for Cobalt,7440-48-4 Recovery = 100.71%
Copper,7440-50-8† 99943.2 0.49921 mg/L 0.010425 0.49921 mg/L 0.010425 2.09%
QC value within limits for Copper,7440-50-8 Recovery = 99.84%
Iron,7439-89-6† 61373.2 5.11649 mg/L 0.043462 5.11649 mg/L 0.043462 0.85%
QC value within limits for Iron,7439-89-6 Recovery = 102.33%
Lead,7439-92-1† 2322.6 0.50012 mg/L 0.003370 0.50012 mg/L 0.003370 0.67%
QC value within limits for Lead,7439-92-1 Recovery = 100.02%
Lithium,7439-93-2† 38506.7 0.50064 mg/L 0.003374 0.50064 mg/L 0.003374 0.67%
QC value within limits for Lithium,7439-93-2 Recovery = 100.13%
Magnesium,7439-95-4† 12823.1 5.21663 mg/L 0.058435 5.21663 mg/L 0.058435 1.12%
QC value within limits for Magnesium,7439-95-4 Recovery = 104.33%
Manganese,7439-96-5† 257421.7 0.49931 mg/L 0.000218 0.49931 mg/L 0.000218 0.04%
QC value within limits for Manganese,7439-96-5 Recovery = 99.86%
Molybdenum,7439-98-7† 2062.9 0.49796 mg/L 0.004563 0.49796 mg/L 0.004563 0.92%
QC value within limits for Molybdenum,7439-98-7 Recovery = 99.59%
Nickel,7440-02-0† 13868.2 0.50867 mg/L 0.010007 0.50867 mg/L 0.010007 1.97%
QC value within limits for Nickel,7440-02-0 Recovery = 101.73%
Potassium,7440-09-7† 33460.0 10.0013 mg/L 0.12388 10.0013 mg/L 0.12388 1.24%
QC value within limits for Potassium,7440-09-7 Recovery = 100.01%
Selenium,7782-49-2† 216.2 0.49517 mg/L 0.025454 0.49517 mg/L 0.025454 5.14%
QC value within limits for Selenium,7782-49-2 Recovery = 99.03%
Silicon,7440-21-3† 18308.5 3.91846 mg/L 0.031470 3.91846 mg/L 0.031470 0.80%
QC value less than the lower limit for Silicon,7440-21-3 Recovery = 78.37%
Silver,7440-22-4† 128509.5 0.50945 mg/L 0.010899 0.50945 mg/L 0.010899 2.14%
QC value within limits for Silver,7440-22-4 Recovery = 101.89%
Sodium,7440-23-5† 97998.7 19.6965 mg/L 0.24415 19.6965 mg/L 0.24415 1.24%
QC value within limits for Sodium,7440-23-5 Recovery = 98.48%
Strontium,7440-24-6† 282041.3 0.50906 mg/L 0.008468 0.50906 mg/L 0.008468 1.66%
QC value within limits for Strontium,7440-24-6 Recovery = 101.81%
Thallium,7440-28-0† 291.3 0.50028 mg/L 0.011066 0.50028 mg/L 0.011066 2.21%
QC value within limits for Thallium,7440-28-0 Recovery = 100.06%
Tin,7440-31-5† 607.1 0.49589 mg/L 0.004257 0.49589 mg/L 0.004257 0.86%
QC value within limits for Tin,7440-31-5 Recovery = 99.18%
Titanium,7440-32-6† 312751.6 0.49733 mg/L 0.000299 0.49733 mg/L 0.000299 0.06%
QC value within limits for Titanium,7440-32-6 Recovery = 99.47%
Vanadium,7440-62-2† 42076.4 0.50500 mg/L 0.007709 0.50500 mg/L 0.007709 1.53%
QC value within limits for Vanadium,7440-62-2 Recovery = 101.00%
Zinc,7440-66-6† 11468.5 0.49575 mg/L 0.009735 0.49575 mg/L 0.009735 1.96%
QC value within limits for Zinc,7440-66-6 Recovery = 99.15%
Zirconium,7440-67-7† 242644.8 0.49491 mg/L 0.000399 0.49491 mg/L 0.000399 0.08%
QC value within limits for Zirconium,7440-67-7 Recovery = 98.98%
QC Failed. Continue with analysis.

Sequence No.: 38 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 6/10/2008 2:51:02 PM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:52:24 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	3558052.6	101.911	%	1.2273				1.20%
Yttrium,7440-65-5A	1968613.8	100.562	%	1.2102				1.20%
Yttrium,7440-65-5R	242415.1	103.328	%	1.0642				1.03%
Ar 420.067 R	2115849.5	102.033	%	0.1515				0.15%
Ar 363.268 A	42958.3	98.8262	%	0.25763				0.26%
Aluminum,7429-90-5†	8572.7	4.93652	mg/L	0.018789	4.93652	mg/L	0.018789	0.38%
QC value within limits for Aluminum,7429-90-5 Recovery = 98.73%								
Antimony,7440-36-0†	211.4	0.49823	mg/L	0.005205	0.49823	mg/L	0.005205	1.04%
QC value within limits for Antimony,7440-36-0 Recovery = 99.65%								
Arsenic,7440-38-2†	135.5	0.48741	mg/L	0.015726	0.48741	mg/L	0.015726	3.23%

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QC value within limits for Arsenic,7440-38-2 Recovery = 97.48%
Barium,7440-39-3† 32362.3 0.48869 mg/L 0.002452 0.48869 mg/L 0.002452 0.50%
QC value within limits for Barium,7440-39-3 Recovery = 97.74%
Beryllium,7440-41-7† 1861071.5 0.48870 mg/L 0.000256 0.48870 mg/L 0.000256 0.05%
QC value within limits for Beryllium,7440-41-7 Recovery = 97.74%
Boron,7440-42-8† 132605.7 2.35070 mg/L 0.009620 2.35070 mg/L 0.009620 0.41%
QC value within limits for Boron,7440-42-8 Recovery = 94.03%
Cadmium,7440-43-9† 17245.9 0.48777 mg/L 0.001526 0.48777 mg/L 0.001526 0.31%
QC value within limits for Cadmium,7440-43-9 Recovery = 97.55%
Calcium,7440-70-2† 61613.7 5.05191 mg/L 0.069240 5.05191 mg/L 0.069240 1.37%
QC value within limits for Calcium,7440-70-2 Recovery = 101.04%
Chromium,7440-47-3† 38747.7 0.48613 mg/L 0.001447 0.48613 mg/L 0.001447 0.30%
QC value within limits for Chromium,7440-47-3 Recovery = 97.23%
Cobalt,7440-48-4† 8165.9 0.48768 mg/L 0.001571 0.48768 mg/L 0.001571 0.32%
QC value within limits for Cobalt,7440-48-4 Recovery = 97.54%
Copper,7440-50-8† 96951.6 0.48427 mg/L 0.000925 0.48427 mg/L 0.000925 0.19%
QC value within limits for Copper,7440-50-8 Recovery = 96.85%
Iron,7439-89-6† 59653.1 4.97310 mg/L 0.063771 4.97310 mg/L 0.063771 1.28%
QC value within limits for Iron,7439-89-6 Recovery = 99.46%
Lead,7439-92-1† 2273.1 0.48947 mg/L 0.005122 0.48947 mg/L 0.005122 1.05%
QC value within limits for Lead,7439-92-1 Recovery = 97.89%
Lithium,7439-93-2† 37165.4 0.48320 mg/L 0.005706 0.48320 mg/L 0.005706 1.18%
QC value within limits for Lithium,7439-93-2 Recovery = 96.64%
Magnesium,7439-95-4† 12463.9 5.07050 mg/L 0.055544 5.07050 mg/L 0.055544 1.10%
QC value within limits for Magnesium,7439-95-4 Recovery = 101.41%
Manganese,7439-96-5† 253261.6 0.49124 mg/L 0.000241 0.49124 mg/L 0.000241 0.05%
QC value within limits for Manganese,7439-96-5 Recovery = 98.25%
Molybdenum,7439-98-7† 2011.8 0.48563 mg/L 0.006334 0.48563 mg/L 0.006334 1.30%
QC value within limits for Molybdenum,7439-98-7 Recovery = 97.13%
Nickel,7440-02-0† 13430.4 0.49261 mg/L 0.001192 0.49261 mg/L 0.001192 0.24%
QC value within limits for Nickel,7440-02-0 Recovery = 98.52%
Potassium,7440-09-7† 32384.1 9.67969 mg/L 0.146619 9.67969 mg/L 0.146619 1.51%
QC value within limits for Potassium,7440-09-7 Recovery = 96.80%
Selenium,7782-49-2† 203.8 0.46693 mg/L 0.005440 0.46693 mg/L 0.005440 1.17%
QC value within limits for Selenium,7782-49-2 Recovery = 93.39%
Silicon,7440-21-3† 24008.6 5.13895 mg/L 0.074378 5.13895 mg/L 0.074378 1.45%
QC value within limits for Silicon,7440-21-3 Recovery = 102.78%
Silver,7440-22-4† 124867.8 0.49501 mg/L 0.001411 0.49501 mg/L 0.001411 0.29%
QC value within limits for Silver,7440-22-4 Recovery = 99.00%
Sodium,7440-23-5† 95333.1 19.1615 mg/L 0.26016 19.1615 mg/L 0.26016 1.36%
QC value within limits for Sodium,7440-23-5 Recovery = 95.81%
Strontium,7440-24-6† 274262.1 0.49502 mg/L 0.006962 0.49502 mg/L 0.006962 1.41%
QC value within limits for Strontium,7440-24-6 Recovery = 99.00%
Thallium,7440-28-0† 289.8 0.49772 mg/L 0.004243 0.49772 mg/L 0.004243 0.85%
QC value within limits for Thallium,7440-28-0 Recovery = 99.54%
Tin,7440-31-5† 596.1 0.48686 mg/L 0.005532 0.48686 mg/L 0.005532 1.14%
QC value within limits for Tin,7440-31-5 Recovery = 97.37%
Titanium,7440-32-6† 306198.7 0.48691 mg/L 0.000453 0.48691 mg/L 0.000453 0.09%
QC value within limits for Titanium,7440-32-6 Recovery = 97.38%
Vanadium,7440-62-2† 40883.7 0.49067 mg/L 0.001975 0.49067 mg/L 0.001975 0.40%
QC value within limits for Vanadium,7440-62-2 Recovery = 98.13%
Zinc,7440-66-6† 11144.2 0.48174 mg/L 0.001644 0.48174 mg/L 0.001644 0.34%
QC value within limits for Zinc,7440-66-6 Recovery = 96.35%
Zirconium,7440-67-7† 238968.1 0.48742 mg/L 0.000386 0.48742 mg/L 0.000386 0.08%
QC value within limits for Zirconium,7440-67-7 Recovery = 97.48%
All analyte(s) passed QC.

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Sequence No.: 39 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 6/10/2008 2:56:25 PM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:52:28 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	3606900.6	103.310	%	0.7509				0.73%
Yttrium,7440-65-5A	2042107.1	104.316	%	0.7362				0.71%

Yttrium,7440-65-5R	248268.5	105.823 %	1.3462				1.27%
Ar 420.067 R	2122898.2	102.373 %	0.2442				0.24%
Ar 363.268 A	42276.6	97.2578 %	0.52806				0.54%
Aluminum,7429-90-5†	-9.0	-0.00522 mg/L	0.018649	-0.00522 mg/L	0.018649	357.54%	
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated							
Antimony,7440-36-0†	-3.8	-0.00875 mg/L	0.004007	-0.00875 mg/L	0.004007	45.79%	
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated							
Arsenic,7440-38-2†	-3.3	-0.01178 mg/L	0.008005	-0.01178 mg/L	0.008005	67.95%	
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated							
Barium,7440-39-3†	7.2	0.00011 mg/L	0.000254	0.00011 mg/L	0.000254	233.75%	
QC value within limits for Barium,7440-39-3 Recovery = Not calculated							
Beryllium,7440-41-7†	-180.6	-0.00004 mg/L	0.000060	-0.00004 mg/L	0.000060	133.68%	
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated							
Boron,7440-42-8†	-725.5	-0.01286 mg/L	0.002709	-0.01286 mg/L	0.002709	21.07%	
QC value within limits for Boron,7440-42-8 Recovery = Not calculated							
Cadmium,7440-43-9†	-6.4	-0.00018 mg/L	0.000058	-0.00018 mg/L	0.000058	32.54%	
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated							
Calcium,7440-70-2†	77.8	0.00637 mg/L	0.002565	0.00637 mg/L	0.002565	40.25%	
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated							
Chromium,7440-47-3†	-94.0	-0.00118 mg/L	0.000458	-0.00118 mg/L	0.000458	38.78%	
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated							
Cobalt,7440-48-4†	2.6	0.00015 mg/L	0.000160	0.00015 mg/L	0.000160	103.75%	
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated							
Copper,7440-50-8†	220.4	0.00110 mg/L	0.000207	0.00110 mg/L	0.000207	18.82%	
QC value within limits for Copper,7440-50-8 Recovery = Not calculated							
Iron,7439-89-6†	-123.1	-0.01026 mg/L	0.001240	-0.01026 mg/L	0.001240	12.08%	
QC value within limits for Iron,7439-89-6 Recovery = Not calculated							
Lead,7439-92-1†	-11.2	-0.00241 mg/L	0.002370	-0.00241 mg/L	0.002370	98.15%	
QC value within limits for Lead,7439-92-1 Recovery = Not calculated							
Lithium,7439-93-2†	-354.2	-0.00460 mg/L	0.001746	-0.00460 mg/L	0.001746	37.91%	
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated							
Magnesium,7439-95-4†	20.9	0.00848 mg/L	0.005128	0.00848 mg/L	0.005128	60.46%	
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated							
Manganese,7439-96-5†	77.9	0.00015 mg/L	0.000089	0.00015 mg/L	0.000089	58.39%	
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated							
Molybdenum,7439-98-7†	6.6	0.00160 mg/L	0.001589	0.00160 mg/L	0.001589	99.09%	
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated							
Nickel,7440-02-0†	-4.1	-0.00015 mg/L	0.000202	-0.00015 mg/L	0.000202	135.06%	
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated							
Potassium,7440-09-7†	218.4	0.06529 mg/L	0.023171	0.06529 mg/L	0.023171	35.49%	
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated							
Selenium,7782-49-2†	-6.7	-0.01527 mg/L	0.002133	-0.01527 mg/L	0.002133	13.97%	
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated							
Silicon,7440-21-3†	-5.4	-0.00115 mg/L	0.000970	-0.00115 mg/L	0.000970	84.12%	
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated							
Silver,7440-22-4†	-84.6	-0.00032 mg/L	0.000635	-0.00032 mg/L	0.000635	197.36%	
QC value within limits for Silver,7440-22-4 Recovery = Not calculated							
Sodium,7440-23-5†	-3107.6	-0.62069 mg/L	0.024985	-0.62069 mg/L	0.024985	4.03%	
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated							
Strontium,7440-24-6†	21.2	0.00004 mg/L	0.000115	0.00004 mg/L	0.000115	300.25%	
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated							
Thallium,7440-28-0†	3.3	0.00569 mg/L	0.004860	0.00569 mg/L	0.004860	85.41%	
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated							
Tin,7440-31-5†	-7.4	-0.00600 mg/L	0.002391	-0.00600 mg/L	0.002391	39.87%	
QC value within limits for Tin,7440-31-5 Recovery = Not calculated							
Titanium,7440-32-6†	232.8	0.00037 mg/L	0.000083	0.00037 mg/L	0.000083	22.39%	
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated							
Vanadium,7440-62-2†	82.7	0.00099 mg/L	0.000542	0.00099 mg/L	0.000542	54.79%	
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated							
Zinc,7440-66-6†	-29.2	-0.00127 mg/L	0.000173	-0.00127 mg/L	0.000173	13.59%	
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated							
Zirconium,7440-67-7†	318.6	0.00065 mg/L	0.000355	0.00065 mg/L	0.000355	54.50%	
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 40
Sample ID: 173-86-9
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:

Autosampler Location: 37
Date Collected: 6/10/2008 3:03:54 PM
Data Type: Reprocessed on 6/11/2008 9:52:29 AM

Initial Sample Vol:

Dilution: 1X Sample Prep Vol:

Mean Data: 173-86-9

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3644449.7	104.386	%	0.9556				0.92%
Yttrium,7440-65-5A	2060697.1	105.266	%	0.9437				0.90%
Yttrium,7440-65-5R	248843.1	106.068	%	1.3388				1.26%
Ar 420.067 R	2116070.1	102.043	%	0.3132				0.31%
Ar 363.268 A	42337.6	97.3982	%	0.48839				0.50%
Aluminum,7429-90-5†	9.3	0.00534	mg/L	0.001852	0.00534	mg/L	0.001852	34.69%
Antimony,7440-36-0†	-3.7	-0.00841	mg/L	0.004360	-0.00841	mg/L	0.004360	51.85%
Arsenic,7440-38-2†	-0.4	-0.00160	mg/L	0.009181	-0.00160	mg/L	0.009181	572.92%
Barium,7440-39-3†	10.5	0.00016	mg/L	0.000278	0.00016	mg/L	0.000278	175.07%
Beryllium,7440-41-7†	65.0	0.00002	mg/L	0.000012	0.00002	mg/L	0.000012	59.90%
Boron,7440-42-8†	5469.3	0.09695	mg/L	0.000359	0.09695	mg/L	0.000359	0.37%
Cadmium,7440-43-9†	-0.7	-0.00002	mg/L	0.000173	-0.00002	mg/L	0.000173	949.98%
Calcium,7440-70-2†	202.0	0.01655	mg/L	0.002381	0.01655	mg/L	0.002381	14.39%
Chromium,7440-47-3†	-96.1	-0.00121	mg/L	0.000114	-0.00121	mg/L	0.000114	9.42%
Cobalt,7440-48-4†	-9.5	-0.00057	mg/L	0.000289	-0.00057	mg/L	0.000289	50.50%
Copper,7440-50-8†	324.6	0.00162	mg/L	0.000083	0.00162	mg/L	0.000083	5.11%
Iron,7439-89-6†	-130.1	-0.01085	mg/L	0.001577	-0.01085	mg/L	0.001577	14.54%
Lead,7439-92-1†	-7.0	-0.00151	mg/L	0.001079	-0.00151	mg/L	0.001079	71.38%
Lithium,7439-93-2†	-486.1	-0.00632	mg/L	0.000669	-0.00632	mg/L	0.000669	10.58%
Magnesium,7439-95-4†	-7.7	-0.00315	mg/L	0.013658	-0.00315	mg/L	0.013658	433.68%
Manganese,7439-96-5†	-23.2	-0.00004	mg/L	0.000039	-0.00004	mg/L	0.000039	87.33%
Molybdenum,7439-98-7†	0.8	0.00019	mg/L	0.001655	0.00019	mg/L	0.001655	883.59%
Nickel,7440-02-0†	-3.9	-0.00014	mg/L	0.000277	-0.00014	mg/L	0.000277	193.93%
Potassium,7440-09-7†	160.3	0.04793	mg/L	0.014738	0.04793	mg/L	0.014738	30.75%
Selenium,7782-49-2†	-9.5	-0.02177	mg/L	0.015349	-0.02177	mg/L	0.015349	70.51%
Silicon,7440-21-3†	-2.8	-0.00060	mg/L	0.002634	-0.00060	mg/L	0.002634	437.31%
Silver,7440-22-4†	-188.3	-0.00073	mg/L	0.000154	-0.00073	mg/L	0.000154	21.10%
Sodium,7440-23-5†	-3450.3	-0.68913	mg/L	0.015490	-0.68913	mg/L	0.015490	2.25%
Strontium,7440-24-6†	74.6	0.00013	mg/L	0.000051	0.00013	mg/L	0.000051	38.07%
Thallium,7440-28-0†	-0.7	-0.00121	mg/L	0.008636	-0.00121	mg/L	0.008636	714.22%
Tin,7440-31-5†	-7.0	-0.00567	mg/L	0.001703	-0.00567	mg/L	0.001703	30.06%
Titanium,7440-32-6†	268.3	0.00043	mg/L	0.000163	0.00043	mg/L	0.000163	38.28%
Vanadium,7440-62-2†	89.4	0.00107	mg/L	0.000604	0.00107	mg/L	0.000604	56.46%
Zinc,7440-66-6†	-15.6	-0.00068	mg/L	0.000036	-0.00068	mg/L	0.000036	5.34%
Zirconium,7440-67-7†	383.8	0.00078	mg/L	0.000152	0.00078	mg/L	0.000152	19.35%

Sequence No.: 41 Autosampler Location: 38
Sample ID: 611721 Date Collected: 6/10/2008 3:11:25 PM
Analyst: Data Type: Reprocessed on 6/11/2008 9:52:30 AM
Logged In Analyst (Original) : met
Initial Sample Wt: Initial Sample Vol:
Dilution: 1X Sample Prep Vol:

Mean Data: 611721

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3672477.5	105.188	%	0.5677				0.54%
Yttrium,7440-65-5A	2057035.4	105.079	%	0.5721				0.54%
Yttrium,7440-65-5R	255331.1	108.833	%	0.4568				0.42%
Ar 420.067 R	2136107.9	103.010	%	0.1861				0.18%
Ar 363.268 A	42942.3	98.7892	%	0.40825				0.41%
Aluminum,7429-90-5†	8.3	0.00476	mg/L	0.013029	0.00476	mg/L	0.013029	273.85%
Antimony,7440-36-0†	-1.9	-0.00450	mg/L	0.004560	-0.00450	mg/L	0.004560	101.37%
Arsenic,7440-38-2†	-2.7	-0.00979	mg/L	0.009178	-0.00979	mg/L	0.009178	93.77%
Barium,7440-39-3†	7.7	0.00012	mg/L	0.000143	0.00012	mg/L	0.000143	123.48%
Beryllium,7440-41-7†	-112.4	-0.00003	mg/L	0.000020	-0.00003	mg/L	0.000020	68.04%
Boron,7440-42-8†	-1622.9	-0.02877	mg/L	0.000907	-0.02877	mg/L	0.000907	3.15%
Cadmium,7440-43-9†	-2.1	-0.00006	mg/L	0.000023	-0.00006	mg/L	0.000023	39.12%
Calcium,7440-70-2†	-12.9	-0.00106	mg/L	0.000913	-0.00106	mg/L	0.000913	86.01%
Chromium,7440-47-3†	-124.5	-0.00156	mg/L	0.000030	-0.00156	mg/L	0.000030	1.93%
Cobalt,7440-48-4†	-1.8	-0.00011	mg/L	0.000282	-0.00011	mg/L	0.000282	261.86%
Copper,7440-50-8†	-998.6	-0.00498	mg/L	0.000153	-0.00498	mg/L	0.000153	3.06%
Iron,7439-89-6†	-269.6	-0.02248	mg/L	0.001437	-0.02248	mg/L	0.001437	6.39%

Lead,7439-92-1†	-3.6	-0.00076 mg/L	0.000851	-0.00076 mg/L	0.000851	111.26%
Lithium,7439-93-2†	-577.6	-0.00751 mg/L	0.000459	-0.00751 mg/L	0.000459	6.11%
Magnesium,7439-95-4†	2.3	0.00093 mg/L	0.004744	0.00093 mg/L	0.004744	510.46%
Manganese,7439-96-5†	-1377.1	-0.00267 mg/L	0.000080	-0.00267 mg/L	0.000080	2.98%
Molybdenum,7439-98-7†	2.1	0.00050 mg/L	0.000472	0.00050 mg/L	0.000472	93.83%
Nickel,7440-02-0†	-15.2	-0.00056 mg/L	0.000165	-0.00056 mg/L	0.000165	29.61%
Potassium,7440-09-7†	64.8	0.01937 mg/L	0.013869	0.01937 mg/L	0.013869	71.59%
Selenium,7782-49-2†	-8.2	-0.01878 mg/L	0.006200	-0.01878 mg/L	0.006200	33.01%
Silicon,7440-21-3†	-26.1	-0.00558 mg/L	0.002001	-0.00558 mg/L	0.002001	35.86%
Silver,7440-22-4†	-330.9	-0.00130 mg/L	0.000222	-0.00130 mg/L	0.000222	17.13%
Sodium,7440-23-5†	-3519.4	-0.70341 mg/L	0.006319	-0.70341 mg/L	0.006319	0.90%
Strontium,7440-24-6†	23.5	0.00004 mg/L	0.000034	0.00004 mg/L	0.000034	79.42%
Thallium,7440-28-0†	1.4	0.00240 mg/L	0.008453	0.00240 mg/L	0.008453	352.87%
Tin,7440-31-5†	-9.7	-0.00784 mg/L	0.001004	-0.00784 mg/L	0.001004	12.80%
Titanium,7440-32-6†	-40.8	-0.00006 mg/L	0.000101	-0.00006 mg/L	0.000101	156.39%
Vanadium,7440-62-2†	15.9	0.00019 mg/L	0.000428	0.00019 mg/L	0.000428	221.74%
Zinc,7440-66-6†	-70.7	-0.00307 mg/L	0.000230	-0.00307 mg/L	0.000230	7.48%
Zirconium,7440-67-7†	72.7	0.00015 mg/L	0.000103	0.00015 mg/L	0.000103	68.53%

Sequence No.: 42
Sample ID: 611722
Analyst:
Logged In Analyst (Original) : mat
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 39
Date Collected: 6/10/2008 3:18:42 PM
Data Type: Reprocessed on 6/11/2008 9:52:32 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 611722

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3541302.1	101.431	%	0.7496				0.74%
Yttrium,7440-65-5A	1983032.5	101.298	%	0.7439				0.73%
Yttrium,7440-65-5R	251286.0	107.109	%	1.5066				1.41%
Ar 420.067 R	2136726.0	103.039	%	0.3078				0.30%
Ar 363.268 A	42578.0	97.9511	%	0.09265				0.09%
Aluminum,7429-90-5†	8378.4	4.82452	mg/L	0.027212	4.82452	mg/L	0.027212	0.56%
Antimony,7440-36-0†	209.1	0.49281	mg/L	0.001990	0.49281	mg/L	0.001990	0.40%
Arsenic,7440-38-2†	134.5	0.48407	mg/L	0.012116	0.48407	mg/L	0.012116	2.50%
Barium,7440-39-3†	32075.0	0.48435	mg/L	0.003738	0.48435	mg/L	0.003738	0.77%
Beryllium,7440-41-7†	1829001.9	0.48028	mg/L	0.000583	0.48028	mg/L	0.000583	0.12%
Boron,7440-42-8†	117787.1	2.08803	mg/L	0.014196	2.08803	mg/L	0.014196	0.68%
Cadmium,7440-43-9†	17293.7	0.48912	mg/L	0.005657	0.48912	mg/L	0.005657	1.16%
Calcium,7440-70-2†	60767.0	4.98251	mg/L	0.025886	4.98251	mg/L	0.025886	0.52%
Chromium,7440-47-3†	38695.2	0.48547	mg/L	0.003590	0.48547	mg/L	0.003590	0.74%
Cobalt,7440-48-4†	8188.4	0.48905	mg/L	0.004186	0.48905	mg/L	0.004186	0.86%
Copper,7440-50-8†	95422.8	0.47664	mg/L	0.003913	0.47664	mg/L	0.003913	0.82%
Iron,7439-89-6†	59233.3	4.93809	mg/L	0.028836	4.93809	mg/L	0.028836	0.58%
Lead,7439-92-1†	2270.5	0.48891	mg/L	0.007972	0.48891	mg/L	0.007972	1.63%
Lithium,7439-93-2†	36698.9	0.47713	mg/L	0.005645	0.47713	mg/L	0.005645	1.18%
Magnesium,7439-95-4†	12470.9	5.07334	mg/L	0.025725	5.07334	mg/L	0.025725	0.51%
Manganese,7439-96-5†	244724.9	0.47468	mg/L	0.003784	0.47468	mg/L	0.003784	0.80%
Molybdenum,7439-98-7†	2012.9	0.48590	mg/L	0.006594	0.48590	mg/L	0.006594	1.36%
Nickel,7440-02-0†	13492.6	0.49489	mg/L	0.005072	0.49489	mg/L	0.005072	1.02%
Potassium,7440-09-7†	31877.7	9.52834	mg/L	0.102128	9.52834	mg/L	0.102128	1.07%
Selenium,7782-49-2†	208.4	0.47730	mg/L	0.010830	0.47730	mg/L	0.010830	2.27%
Silicon,7440-21-3†	15262.4	3.26630	mg/L	0.007484	3.26630	mg/L	0.007484	0.23%
Silver,7440-22-4†	122841.1	0.48709	mg/L	0.003776	0.48709	mg/L	0.003776	0.78%
Sodium,7440-23-5†	94250.4	18.9430	mg/L	0.22636	18.9430	mg/L	0.22636	1.19%
Strontium,7440-24-6†	273597.8	0.49383	mg/L	0.005831	0.49383	mg/L	0.005831	1.18%
Thallium,7440-28-0†	280.7	0.48205	mg/L	0.002031	0.48205	mg/L	0.002031	0.42%
Tin,7440-31-5†	611.8	0.49956	mg/L	0.011011	0.49956	mg/L	0.011011	2.20%
Titanium,7440-32-6†	301998.0	0.48022	mg/L	0.000350	0.48022	mg/L	0.000350	0.07%
Vanadium,7440-62-2†	41131.2	0.49365	mg/L	0.006914	0.49365	mg/L	0.006914	1.40%
Zinc,7440-66-6†	10955.3	0.47350	mg/L	0.004633	0.47350	mg/L	0.004633	0.98%
Zirconium,7440-67-7†	1849.0	0.00308	mg/L	0.000863	0.00308	mg/L	0.000863	27.96%

Sequence No.: 43
Sample ID: 20806054301
Analyst:

Autosampler Location: 40
Date Collected: 6/10/2008 3:25:17 PM
Data Type: Reprocessed on 6/11/2008 9:52:33 AM

171447

Logged In Analyst (Original) : met
Initial Sample Wt: Initial Sample Vol:
Dilution: 1X Sample Prep Vol:

Mean Data: 20806054301

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3473166.3	99.4796	%	0.63936				0.64%
Yttrium,7440-65-5A	1924167.4	98.2913	%	0.61675				0.63%
Yttrium,7440-65-5R	244464.2	104.201	%	1.4272				1.37%
Ar 420.067 R	2103992.2	101.461	%	0.1428				0.14%
Ar 363.268 A	43259.2	99.5183	%	0.27309				0.27%
Aluminum,7429-90-5†	-33.6	-0.01629	mg/L	0.016312	-0.01629	mg/L	0.016312	100.13%
Antimony,7440-36-0†	-3.5	-0.00538	mg/L	0.012326	-0.00538	mg/L	0.012326	229.26%
Arsenic,7440-38-2†	15.8	0.04951	mg/L	0.009853	0.04951	mg/L	0.009853	19.90%
Barium,7440-39-3†	9791.9	0.14712	mg/L	0.000548	0.14712	mg/L	0.000548	0.37%
Beryllium,7440-41-7†	-722.0	-0.00019	mg/L	0.000038	-0.00019	mg/L	0.000038	20.23%
Boron,7440-42-8†	1777.5	0.03100	mg/L	0.003842	0.03100	mg/L	0.003842	12.39%
Cadmium,7440-43-9†	-67.7	-0.00179	mg/L	0.000175	-0.00179	mg/L	0.000175	9.78%
Calcium,7440-70-2†	1198502.3	98.2522	mg/L	1.80797	98.2522	mg/L	1.80797	1.84%
Chromium,7440-47-3†	65.8	-0.00007	mg/L	0.000386	-0.00007	mg/L	0.000386	585.74%
Cobalt,7440-48-4†	-6.0	-0.00040	mg/L	0.000254	-0.00040	mg/L	0.000254	63.76%
Copper,7440-50-8†	-1141.0	-0.00584	mg/L	0.000189	-0.00584	mg/L	0.000189	3.24%
Iron,7439-89-6†	-246.5	-0.01882	mg/L	0.001121	-0.01882	mg/L	0.001121	5.96%
Lead,7439-92-1†	-32.3	-0.00565	mg/L	0.000766	-0.00565	mg/L	0.000766	13.54%
Lithium,7439-93-2†	-115.4	-0.00136	mg/L	0.001002	-0.00136	mg/L	0.001002	73.69%
Magnesium,7439-95-4†	67897.2	27.6129	mg/L	0.17639	27.6129	mg/L	0.17639	0.64%
Manganese,7439-96-5†	42987.1	0.08325	mg/L	0.000559	0.08325	mg/L	0.000559	0.67%
Molybdenum,7439-98-7†	48.5	0.01074	mg/L	0.000811	0.01074	mg/L	0.000811	7.55%
Nickel,7440-02-0†	-21.6	-0.00094	mg/L	0.000309	-0.00094	mg/L	0.000309	32.66%
Potassium,7440-09-7†	1406.2	0.41900	mg/L	0.022808	0.41900	mg/L	0.022808	5.44%
Selenium,7782-49-2†	-24.7	-0.05802	mg/L	0.014903	-0.05802	mg/L	0.014903	25.69%
Silicon,7440-21-3†	29690.4	6.35209	mg/L	0.036027	6.35209	mg/L	0.036027	0.57%
Silver,7440-22-4†	-145.8	-0.00076	mg/L	0.000305	-0.00076	mg/L	0.000305	39.94%
Sodium,7440-23-5†	102274.5	20.6351	mg/L	0.35341	20.6351	mg/L	0.35341	1.71%
Strontium,7440-24-6†	149061.6	0.26636	mg/L	0.004670	0.26636	mg/L	0.004670	1.75%
Thallium,7440-28-0†	-0.4	0.00010	mg/L	0.008130	0.00010	mg/L	0.008130	>999.9%
Tin,7440-31-5†	-13.5	0.00562	mg/L	0.002108	0.00562	mg/L	0.002108	37.51%
Titanium,7440-32-6†	288.3	0.00046	mg/L	0.000158	0.00046	mg/L	0.000158	34.24%
Vanadium,7440-62-2†	-728.2	-0.00786	mg/L	0.000889	-0.00786	mg/L	0.000889	11.31%
Zinc,7440-66-6†	-341.2	-0.01366	mg/L	0.000248	-0.01366	mg/L	0.000248	1.82%
Zirconium,7440-67-7†	31.1	0.00006	mg/L	0.000115	0.00006	mg/L	0.000115	182.25%

Sequence No.: 44 Autosampler Location: 41
Sample ID: 611723 Date Collected: 6/10/2008 3:31:32 PM
Analyst: Data Type: Reprocessed on 6/11/2008 9:52:34 AM
Logged In Analyst (Original) : met
Initial Sample Wt: Initial Sample Vol:
Dilution: 1X Sample Prep Vol:

Mean Data: 611723

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3493589.5	100.065	%	0.7342				0.73%
Yttrium,7440-65-5A	1933823.6	98.7846	%	0.73649				0.75%
Yttrium,7440-65-5R	242291.6	103.275	%	0.4730				0.46%
Ar 420.067 R	2100518.9	101.293	%	0.1852				0.18%
Ar 363.268 A	43171.4	99.3163	%	0.15793				0.16%
Aluminum,7429-90-5†	-14.6	-0.00539	mg/L	0.039823	-0.00539	mg/L	0.039823	739.19%
Antimony,7440-36-0†	-7.1	-0.01367	mg/L	0.001455	-0.01367	mg/L	0.001455	10.65%
Arsenic,7440-38-2†	15.3	0.04788	mg/L	0.007824	0.04788	mg/L	0.007824	16.34%
Barium,7440-39-3†	9510.4	0.14290	mg/L	0.000797	0.14290	mg/L	0.000797	0.56%
Beryllium,7440-41-7†	-751.5	-0.00020	mg/L	0.000011	-0.00020	mg/L	0.000011	5.86%
Boron,7440-42-8†	901.4	0.01545	mg/L	0.000377	0.01545	mg/L	0.000377	2.44%
Cadmium,7440-43-9†	-65.0	-0.00171	mg/L	0.000277	-0.00171	mg/L	0.000277	16.17%
Calcium,7440-70-2†	1154216.8	94.6217	mg/L	1.10333	94.6217	mg/L	1.10333	1.17%
Chromium,7440-47-3†	27.3	-0.00054	mg/L	0.000268	-0.00054	mg/L	0.000268	49.42%
Cobalt,7440-48-4†	1.8	0.00007	mg/L	0.000203	0.00007	mg/L	0.000203	283.42%

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Copper,7440-50-8†	-1144.1	-0.00586 mg/L	0.000215	-0.00586 mg/L	0.000215	3.66%
Iron,7439-89-6†	-233.1	-0.01778 mg/L	0.000082	-0.01778 mg/L	0.000082	0.46%
Lead,7439-92-1†	-39.8	-0.00733 mg/L	0.001930	-0.00733 mg/L	0.001930	26.34%
Lithium,7439-93-2†	-165.4	-0.00202 mg/L	0.001215	-0.00202 mg/L	0.001215	60.28%
Magnesium,7439-95-4†	67463.9	27.4365 mg/L	0.46308	27.4365 mg/L	0.46308	1.69%
Manganese,7439-96-5†	41772.4	0.08090 mg/L	0.000613	0.08090 mg/L	0.000613	0.76%
Molybdenum,7439-98-7†	38.3	0.00831 mg/L	0.000115	0.00831 mg/L	0.000115	1.38%
Nickel,7440-02-0†	-36.2	-0.00148 mg/L	0.000463	-0.00148 mg/L	0.000463	31.34%
Potassium,7440-09-7†	1275.0	0.37988 mg/L	0.032376	0.37988 mg/L	0.032376	8.52%
Selenium,7782-49-2†	-19.7	-0.04657 mg/L	0.025134	-0.04657 mg/L	0.025134	53.97%
Silicon,7440-21-3†	29413.4	6.29286 mg/L	0.099295	6.29286 mg/L	0.099295	1.58%
Silver,7440-22-4†	-241.8	-0.00115 mg/L	0.000237	-0.00115 mg/L	0.000237	20.56%
Sodium,7440-23-5†	98341.7	19.8432 mg/L	0.19196	19.8432 mg/L	0.19196	0.97%
Strontium,7440-24-6†	143604.6	0.25661 mg/L	0.002649	0.25661 mg/L	0.002649	1.03%
Thallium,7440-28-0†	2.1	0.00431 mg/L	0.006067	0.00431 mg/L	0.006067	140.77%
Tin,7440-31-5†	-14.0	0.00454 mg/L	0.000858	0.00454 mg/L	0.000858	18.90%
Titanium,7440-32-6†	238.6	0.00038 mg/L	0.000092	0.00038 mg/L	0.000092	24.03%
Vanadium,7440-62-2†	-843.1	-0.00924 mg/L	0.000915	-0.00924 mg/L	0.000915	9.91%
Zinc,7440-66-6†	-394.3	-0.01605 mg/L	0.000411	-0.01605 mg/L	0.000411	2.56%
Zirconium,7440-67-7†	-86.2	-0.00018 mg/L	0.000132	-0.00018 mg/L	0.000132	74.78%

Sequence No.: 45 **Autosampler Location: 42**
Sample ID: 611724 **Date Collected: 6/10/2008 3:37:52 PM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:52:35 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 611724

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3455884.6	98.9846	%	1.18585				1.20%
Yttrium,7440-65-5A	1910390.7	97.5875	%	1.14616				1.17%
Yttrium,7440-65-5R	241790.1	103.061	%	0.6063				0.59%
Ar 420.067 R	2103859.5	101.455	%	0.0657				0.06%
Ar 363.268 A	42628.4	98.0671	%	0.58254				0.59%
Aluminum,7429-90-5†	8374.5	4.82521	mg/L	0.007777	4.82521	mg/L	0.007777	0.16%
Antimony,7440-36-0†	221.6	0.52423	mg/L	0.005910	0.52423	mg/L	0.005910	1.13%
Arsenic,7440-38-2†	151.4	0.53720	mg/L	0.010488	0.53720	mg/L	0.010488	1.95%
Barium,7440-39-3†	40535.6	0.61135	mg/L	0.005783	0.61135	mg/L	0.005783	0.95%
Beryllium,7440-41-7†	1844183.4	0.48425	mg/L	0.000301	0.48425	mg/L	0.000301	0.06%
Boron,7440-42-8†	123899.0	2.19587	mg/L	0.027970	2.19587	mg/L	0.027970	1.27%
Cadmium,7440-43-9†	16390.6	0.46368	mg/L	0.004154	0.46368	mg/L	0.004154	0.90%
Calcium,7440-70-2†	1251521.3	102.600	mg/L	1.2229	102.600	mg/L	1.2229	1.19%
Chromium,7440-47-3†	38287.4	0.47949	mg/L	0.004687	0.47949	mg/L	0.004687	0.98%
Cobalt,7440-48-4†	7437.5	0.44407	mg/L	0.003448	0.44407	mg/L	0.003448	0.78%
Copper,7440-50-8†	89834.2	0.44861	mg/L	0.004760	0.44861	mg/L	0.004760	1.06%
Iron,7439-89-6†	59429.5	4.95615	mg/L	0.026249	4.95615	mg/L	0.026249	0.53%
Lead,7439-92-1†	2154.4	0.46525	mg/L	0.004081	0.46525	mg/L	0.004081	0.88%
Lithium,7439-93-2†	36068.7	0.46908	mg/L	0.004103	0.46908	mg/L	0.004103	0.87%
Magnesium,7439-95-4†	79802.6	32.4562	mg/L	0.17356	32.4562	mg/L	0.17356	0.53%
Manganese,7439-96-5†	282915.1	0.54863	mg/L	0.005037	0.54863	mg/L	0.005037	0.92%
Molybdenum,7439-98-7†	2078.0	0.50066	mg/L	0.004734	0.50066	mg/L	0.004734	0.95%
Nickel,7440-02-0†	12266.5	0.44976	mg/L	0.001857	0.44976	mg/L	0.001857	0.41%
Potassium,7440-09-7†	34255.0	10.2377	mg/L	0.03964	10.2377	mg/L	0.03964	0.39%
Selenium,7782-49-2†	194.1	0.44319	mg/L	0.023439	0.44319	mg/L	0.023439	5.29%
Silicon,7440-21-3†	45088.8	9.64756	mg/L	0.048663	9.64756	mg/L	0.048663	0.50%
Silver,7440-22-4†	121565.4	0.48193	mg/L	0.005044	0.48193	mg/L	0.005044	1.05%
Sodium,7440-23-5†	197845.2	39.8355	mg/L	0.45742	39.8355	mg/L	0.45742	1.15%
Strontium,7440-24-6†	418469.9	0.75264	mg/L	0.009457	0.75264	mg/L	0.009457	1.26%
Thallium,7440-28-0†	274.6	0.47242	mg/L	0.003085	0.47242	mg/L	0.003085	0.65%
Tin,7440-31-5†	602.5	0.50843	mg/L	0.004432	0.50843	mg/L	0.004432	0.87%
Titanium,7440-32-6†	301823.4	0.47995	mg/L	0.000455	0.47995	mg/L	0.000455	0.09%
Vanadium,7440-62-2†	40676.3	0.48901	mg/L	0.007647	0.48901	mg/L	0.007647	1.56%
Zinc,7440-66-6†	10172.9	0.44087	mg/L	0.004039	0.44087	mg/L	0.004039	0.92%
Zirconium,7440-67-7†	746.4	0.00083	mg/L	0.000082	0.00083	mg/L	0.000082	9.77%

Sequence No.: 46 **Autosampler Location: 43**

Sample ID: 613024
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Date Collected: 6/10/2008 3:44:19 PM
Data Type: Reprocessed on 6/11/2008 9:52:37 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 613024

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3491680.4	100.010	%	0.6452				0.65%
Yttrium,7440-65-5A	1930462.7	98.6129	%	0.61654				0.63%
Yttrium,7440-65-5R	242938.4	103.551	%	1.0232				0.99%
Ar 420.067 R	2103230.8	101.424	%	0.3277				0.32%
Ar 363.268 A	42589.7	97.9782	%	0.38143				0.39%
Aluminum,7429-90-5†	8568.1	4.93667	mg/L	0.058539	4.93667	mg/L	0.058539	1.19%
Antimony,7440-36-0†	223.9	0.52986	mg/L	0.003390	0.52986	mg/L	0.003390	0.64%
Arsenic,7440-38-2†	157.7	0.56026	mg/L	0.016388	0.56026	mg/L	0.016388	2.93%
Barium,7440-39-3†	41170.3	0.62094	mg/L	0.013273	0.62094	mg/L	0.013273	2.14%
Beryllium,7440-41-7†	1898388.6	0.49845	mg/L	0.000771	0.49845	mg/L	0.000771	0.15%
Boron,7440-42-8†	128686.7	2.28074	mg/L	0.059542	2.28074	mg/L	0.059542	2.61%
Cadmium,7440-43-9†	16923.7	0.47876	mg/L	0.001844	0.47876	mg/L	0.001844	0.39%
Calcium,7440-70-2†	1249186.2	102.408	mg/L	0.7571	102.408	mg/L	0.7571	0.74%
Chromium,7440-47-3†	39140.0	0.49018	mg/L	0.009186	0.49018	mg/L	0.009186	1.87%
Cobalt,7440-48-4†	7647.9	0.45665	mg/L	0.001613	0.45665	mg/L	0.001613	0.35%
Copper,7440-50-8†	92383.2	0.46134	mg/L	0.010429	0.46134	mg/L	0.010429	2.26%
Iron,7439-89-6†	60893.0	5.07815	mg/L	0.065712	5.07815	mg/L	0.065712	1.29%
Lead,7439-92-1†	2215.5	0.47841	mg/L	0.001789	0.47841	mg/L	0.001789	0.37%
Lithium,7439-93-2†	37131.3	0.48290	mg/L	0.009173	0.48290	mg/L	0.009173	1.90%
Magnesium,7439-95-4†	80215.9	32.6243	mg/L	0.46346	32.6243	mg/L	0.46346	1.42%
Manganese,7439-96-5†	288088.8	0.55866	mg/L	0.012082	0.55866	mg/L	0.012082	2.16%
Molybdenum,7439-98-7†	2107.2	0.50770	mg/L	0.002109	0.50770	mg/L	0.002109	0.42%
Nickel,7440-02-0†	12621.6	0.46279	mg/L	0.001824	0.46279	mg/L	0.001824	0.39%
Potassium,7440-09-7†	35015.8	10.4651	mg/L	0.14558	10.4651	mg/L	0.14558	1.39%
Selenium,7782-49-2†	202.6	0.46251	mg/L	0.005607	0.46251	mg/L	0.005607	1.21%
Silicon,7440-21-3†	45224.4	9.67655	mg/L	0.122383	9.67655	mg/L	0.122383	1.26%
Silver,7440-22-4†	124789.3	0.49473	mg/L	0.009773	0.49473	mg/L	0.009773	1.98%
Sodium,7440-23-5†	200158.7	40.2995	mg/L	0.21935	40.2995	mg/L	0.21935	0.54%
Strontium,7440-24-6†	423363.6	0.76148	mg/L	0.004132	0.76148	mg/L	0.004132	0.54%
Thallium,7440-28-0†	278.8	0.47963	mg/L	0.005639	0.47963	mg/L	0.005639	1.18%
Tin,7440-31-5†	614.9	0.51854	mg/L	0.003144	0.51854	mg/L	0.003144	0.61%
Titanium,7440-32-6†	306249.0	0.48698	mg/L	0.000701	0.48698	mg/L	0.000701	0.14%
Vanadium,7440-62-2†	41844.2	0.50302	mg/L	0.009835	0.50302	mg/L	0.009835	1.96%
Zinc,7440-66-6†	10664.4	0.46220	mg/L	0.002535	0.46220	mg/L	0.002535	0.55%
Zirconium,7440-67-7†	567.9	0.00046	mg/L	0.000235	0.00046	mg/L	0.000235	51.43%

Sequence No.: 47
Sample ID: 613025
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 44
Date Collected: 6/10/2008 3:50:37 PM
Data Type: Reprocessed on 6/11/2008 9:52:41 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 613025

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3638081.5	104.203	%	0.7273				0.70%
Yttrium,7440-65-5A	2022079.6	103.293	%	0.7665				0.74%
Yttrium,7440-65-5R	253338.4	107.984	%	0.4913				0.45%
Ar 420.067 R	2126350.6	102.539	%	0.2064				0.20%
Ar 363.268 A	43030.6	98.9923	%	0.30669				0.31%
Aluminum,7429-90-5†	47.1	0.02775	mg/L	0.006205	0.13873	mg/L	0.031027	22.37%
Antimony,7440-36-0†	0.3	0.00132	mg/L	0.004200	0.00662	mg/L	0.020998	317.33%
Arsenic,7440-38-2†	0.8	0.00140	mg/L	0.006469	0.00699	mg/L	0.032344	462.78%
Barium,7440-39-3†	1920.4	0.02884	mg/L	0.000233	0.14422	mg/L	0.001165	0.81%
Beryllium,7440-41-7†	-46.1	-0.00001	mg/L	0.000019	-0.00005	mg/L	0.000096	190.96%
Boron,7440-42-8†	355.3	0.00620	mg/L	0.002524	0.03100	mg/L	0.012618	40.70%
Cadmium,7440-43-9†	-6.5	-0.00016	mg/L	0.000110	-0.00079	mg/L	0.000550	69.72%
Calcium,7440-70-2†	248731.9	20.3908	mg/L	0.23054	101.954	mg/L	1.1527	1.13%

Chromium,7440-47-3†	-76.1	-0.00114 mg/L	0.000435	-0.00568 mg/L	0.002174	38.31%
Cobalt,7440-48-4†	-2.1	-0.00013 mg/L	0.000256	-0.00067 mg/L	0.001281	191.14%
Copper,7440-50-8†	183.2	0.00088 mg/L	0.000153	0.00442 mg/L	0.000766	17.34%
Iron,7439-89-6†	-156.3	-0.01266 mg/L	0.002331	-0.06331 mg/L	0.011657	18.41%
Lead,7439-92-1†	-12.4	-0.00239 mg/L	0.001359	-0.01196 mg/L	0.006795	56.83%
Lithium,7439-93-2†	-77.0	-0.00097 mg/L	0.001069	-0.00486 mg/L	0.005343	109.94%
Magnesium,7439-95-4†	13539.1	5.50619 mg/L	0.034880	27.5309 mg/L	0.17440	0.63%
Manganese,7439-96-5†	8993.9	0.01742 mg/L	0.000142	0.08710 mg/L	0.000711	0.82%
Molybdenum,7439-98-7†	17.0	0.00390 mg/L	0.000522	0.01949 mg/L	0.002610	13.39%
Nickel,7440-02-0†	8.6	0.00029 mg/L	0.000487	0.00143 mg/L	0.002437	170.59%
Potassium,7440-09-7†	330.3	0.09846 mg/L	0.036892	0.49231 mg/L	0.184460	37.47%
Selenium,7782-49-2†	-13.4	-0.03080 mg/L	0.012675	-0.15399 mg/L	0.063375	41.15%
Silicon,7440-21-3†	5695.4	1.21845 mg/L	0.012642	6.09225 mg/L	0.063209	1.04%
Silver,7440-22-4†	-276.0	-0.00113 mg/L	0.000279	-0.00564 mg/L	0.001396	24.75%
Sodium,7440-23-5†	17995.4	3.63704 mg/L	0.050997	18.1852 mg/L	0.25499	1.40%
Strontium,7440-24-6†	30601.6	0.05468 mg/L	0.000574	0.27339 mg/L	0.002870	1.05%
Thallium,7440-28-0†	-0.2	-0.00013 mg/L	0.003897	-0.00065 mg/L	0.019485	>999.9%
Tin,7440-31-5†	-6.8	-0.00204 mg/L	0.000836	-0.01021 mg/L	0.004179	40.93%
Titanium,7440-32-6†	238.1	0.00038 mg/L	0.000264	0.00190 mg/L	0.001320	69.48%
Vanadium,7440-62-2†	-192.5	-0.00214 mg/L	0.000601	-0.01070 mg/L	0.003006	28.11%
Zinc,7440-66-6†	-86.9	-0.00354 mg/L	0.000409	-0.01768 mg/L	0.002043	11.56%
Zirconium,7440-67-7†	-12.2	-0.00002 mg/L	0.000033	-0.00012 mg/L	0.000163	131.01%

Sequence No.: 48
Sample ID: 20806052212 EQBLK
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 45
Date Collected: 6/10/2008 3:56:56 PM
Data Type: Reprocessed on 6/11/2008 9:52:43 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20806052212 EQBLK

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3698084.7	105.922	%	0.4110				0.39%
Yttrium,7440-65-5A	2085715.0	106.544	%	0.4176				0.39%
Yttrium,7440-65-5R	258262.5	110.083	%	1.7781				1.62%
Ar 420.067 R	2139001.7	103.149	%	0.0444				0.04%
Ar 363.268 A	42301.7	97.3156	%	0.22296				0.23%
Aluminum,7429-90-5†	64.7	0.03732	mg/L	0.008558	0.03732	mg/L	0.008558	22.93%
Antimony,7440-36-0†	-5.6	-0.01290	mg/L	0.003358	-0.01290	mg/L	0.003358	26.03%
Arsenic,7440-38-2†	-2.1	-0.00770	mg/L	0.009434	-0.00770	mg/L	0.009434	122.60%
Barium,7440-39-3†	115.7	0.00174	mg/L	0.000198	0.00174	mg/L	0.000198	11.39%
Beryllium,7440-41-7†	-225.8	-0.00005	mg/L	0.000058	-0.00005	mg/L	0.000058	110.61%
Boron,7440-42-8†	-850.3	-0.01507	mg/L	0.001502	-0.01507	mg/L	0.001502	9.97%
Cadmium,7440-43-9†	0.7	0.00002	mg/L	0.000084	0.00002	mg/L	0.000084	434.24%
Calcium,7440-70-2†	15328.7	1.25664	mg/L	0.003282	1.25664	mg/L	0.003282	0.26%
Chromium,7440-47-3†	-86.3	-0.00109	mg/L	0.000160	-0.00109	mg/L	0.000160	14.70%
Cobalt,7440-48-4†	2.5	0.00014	mg/L	0.000113	0.00014	mg/L	0.000113	78.50%
Copper,7440-50-8†	-562.3	-0.00281	mg/L	0.000259	-0.00281	mg/L	0.000259	9.24%
Iron,7439-89-6†	84.4	0.00706	mg/L	0.000541	0.00706	mg/L	0.000541	7.67%
Lead,7439-92-1†	-9.3	-0.00199	mg/L	0.001465	-0.00199	mg/L	0.001465	73.59%
Lithium,7439-93-2†	-552.8	-0.00718	mg/L	0.000190	-0.00718	mg/L	0.000190	2.64%
Magnesium,7439-95-4†	190.1	0.07734	mg/L	0.007198	0.07734	mg/L	0.007198	9.31%
Manganese,7439-96-5†	-758.4	-0.00147	mg/L	0.000120	-0.00147	mg/L	0.000120	8.17%
Molybdenum,7439-98-7†	5.3	0.00126	mg/L	0.001168	0.00126	mg/L	0.001168	92.70%
Nickel,7440-02-0†	7.5	0.00027	mg/L	0.000413	0.00027	mg/L	0.000413	151.03%
Potassium,7440-09-7†	1584.6	0.47371	mg/L	0.018338	0.47371	mg/L	0.018338	3.87%
Selenium,7782-49-2†	-10.0	-0.02290	mg/L	0.019008	-0.02290	mg/L	0.019008	83.02%
Silicon,7440-21-3†	161.0	0.03444	mg/L	0.001180	0.03444	mg/L	0.001180	3.43%
Silver,7440-22-4†	-185.4	-0.00073	mg/L	0.000666	-0.00073	mg/L	0.000666	91.81%
Sodium,7440-23-5†	1398.2	0.28117	mg/L	0.018813	0.28117	mg/L	0.018813	6.69%
Strontium,7440-24-6†	1039.2	0.00184	mg/L	0.000128	0.00184	mg/L	0.000128	6.95%
Thallium,7440-28-0†	-1.5	-0.00255	mg/L	0.004583	-0.00255	mg/L	0.004583	179.93%
Tin,7440-31-5†	-11.0	-0.00872	mg/L	0.001927	-0.00872	mg/L	0.001927	22.09%
Titanium,7440-32-6†	794.8	0.00126	mg/L	0.000263	0.00126	mg/L	0.000263	20.81%
Vanadium,7440-62-2†	21.5	0.00025	mg/L	0.000580	0.00025	mg/L	0.000580	234.33%
Zinc,7440-66-6†	788.1	0.03443	mg/L	0.000461	0.03443	mg/L	0.000461	1.34%
Zirconium,7440-67-7†	67.0	0.00014	mg/L	0.000330	0.00014	mg/L	0.000330	243.62%

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Sequence No.: 49
Sample ID: 20806052213 FLDBLK
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 46
Date Collected: 6/10/2008 4:04:10 PM
Data Type: Reprocessed on 6/11/2008 9:52:45 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20806052213 FLDBLK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Scandium-IS	3721525.0	106.593	%	1.3494				1.27%
Yttrium,7440-65-5A	2085607.8	106.538	%	1.3040				1.22%
Yttrium,7440-65-5R	255879.2	109.067	%	1.4689				1.35%
Ar 420.067 R	2138372.5	103.119	%	0.2564				0.25%
Ar 363.268 A	42965.3	98.8422	%	0.25786				0.26%
Aluminum,7429-90-5†	15.2	0.00877	mg/L	0.007764	0.00877	mg/L	0.007764	88.50%
Antimony,7440-36-0†	-1.2	-0.00280	mg/L	0.007673	-0.00280	mg/L	0.007673	273.78%
Arsenic,7440-38-2†	0.7	0.00238	mg/L	0.005264	0.00238	mg/L	0.005264	220.79%
Barium,7440-39-3†	21.5	0.00033	mg/L	0.000130	0.00033	mg/L	0.000130	39.93%
Beryllium,7440-41-7†	-44.1	-0.00001	mg/L	0.000021	-0.00001	mg/L	0.000021	224.32%
Boron,7440-42-8†	-1537.8	-0.02726	mg/L	0.000472	-0.02726	mg/L	0.000472	1.73%
Cadmium,7440-43-9†	-1.8	-0.00005	mg/L	0.000124	-0.00005	mg/L	0.000124	243.58%
Calcium,7440-70-2†	880.7	0.07219	mg/L	0.003991	0.07219	mg/L	0.003991	5.53%
Chromium,7440-47-3†	-90.8	-0.00114	mg/L	0.000599	-0.00114	mg/L	0.000599	52.56%
Cobalt,7440-48-4†	-7.5	-0.00045	mg/L	0.000153	-0.00045	mg/L	0.000153	34.10%
Copper,7440-50-8†	-955.0	-0.00477	mg/L	0.000281	-0.00477	mg/L	0.000281	5.89%
Iron,7439-89-6†	-151.0	-0.01259	mg/L	0.002089	-0.01259	mg/L	0.002089	16.60%
Lead,7439-92-1†	-7.1	-0.00153	mg/L	0.000999	-0.00153	mg/L	0.000999	65.13%
Lithium,7439-93-2†	-641.0	-0.00833	mg/L	0.001517	-0.00833	mg/L	0.001517	18.21%
Magnesium,7439-95-4†	-2.0	-0.00082	mg/L	0.009817	-0.00082	mg/L	0.009817	>999.9%
Manganese,7439-96-5†	-1431.3	-0.00278	mg/L	0.000077	-0.00278	mg/L	0.000077	2.75%
Molybdenum,7439-98-7†	0.1	0.00003	mg/L	0.000958	0.00003	mg/L	0.000958	>999.9%
Nickel,7440-02-0†	0.3	0.00001	mg/L	0.000412	0.00001	mg/L	0.000412	>999.9%
Potassium,7440-09-7†	78.4	0.02344	mg/L	0.031285	0.02344	mg/L	0.031285	133.45%
Selenium,7782-49-2†	-10.3	-0.02358	mg/L	0.023785	-0.02358	mg/L	0.023785	100.89%
Silicon,7440-21-3†	-11.4	-0.00243	mg/L	0.005701	-0.00243	mg/L	0.005701	234.30%
Silver,7440-22-4†	-284.8	-0.00112	mg/L	0.000406	-0.00112	mg/L	0.000406	36.28%
Sodium,7440-23-5†	-3488.7	-0.69727	mg/L	0.008644	-0.69727	mg/L	0.008644	1.24%
Strontium,7440-24-6†	11.6	0.00002	mg/L	0.000041	0.00002	mg/L	0.000041	217.38%
Thallium,7440-28-0†	3.3	0.00563	mg/L	0.007436	0.00563	mg/L	0.007436	132.05%
Tin,7440-31-5†	-12.5	-0.01012	mg/L	0.002427	-0.01012	mg/L	0.002427	23.99%
Titanium,7440-32-6†	227.4	0.00036	mg/L	0.000062	0.00036	mg/L	0.000062	17.12%
Vanadium,7440-62-2†	-8.0	-0.00010	mg/L	0.000254	-0.00010	mg/L	0.000254	263.04%
Zinc,7440-66-6†	-49.1	-0.00213	mg/L	0.000061	-0.00213	mg/L	0.000061	2.88%
Zirconium,7440-67-7†	-70.8	-0.00014	mg/L	0.000142	-0.00014	mg/L	0.000142	98.13%

Sequence No.: 50
Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 6/10/2008 4:11:21 PM
Data Type: Reprocessed on 6/11/2008 9:52:47 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Scandium-IS	3570820.4	102.277	%	0.9055				0.89%
Yttrium,7440-65-5A	1972944.0	100.783	%	0.7820				0.78%
Yttrium,7440-65-5R	245325.0	104.568	%	0.0972				0.09%
Ar 420.067 R	2125103.9	102.479	%	0.1579				0.15%
Ar 363.268 A	43006.6	98.9372	%	0.17369				0.18%
Aluminum,7429-90-5†	8628.6	4.96877	mg/L	0.045479	4.96877	mg/L	0.045479	0.92%
QC value within limits for Aluminum,7429-90-5 Recovery = 99.38%								
Antimony,7440-36-0†	209.5	0.49385	mg/L	0.011221	0.49385	mg/L	0.011221	2.27%
QC value within limits for Antimony,7440-36-0 Recovery = 98.77%								
Arsenic,7440-38-2†	135.7	0.48818	mg/L	0.008372	0.48818	mg/L	0.008372	1.71%
QC value within limits for Arsenic,7440-38-2 Recovery = 97.64%								

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Barium,7440-39-3†	32399.6	0.48926 mg/L	0.009230	0.48926 mg/L	0.009230	1.89%
QC value within limits for Barium,7440-39-3 Recovery = 97.85%						
Beryllium,7440-41-7†	1861093.8	0.48870 mg/L	0.000218	0.48870 mg/L	0.000218	0.04%
QC value within limits for Beryllium,7440-41-7 Recovery = 97.74%						
Boron,7440-42-8†	133286.7	2.36278 mg/L	0.051195	2.36278 mg/L	0.051195	2.17%
QC value within limits for Boron,7440-42-8 Recovery = 94.51%						
Cadmium,7440-43-9†	17234.2	0.48744 mg/L	0.008472	0.48744 mg/L	0.008472	1.74%
QC value within limits for Cadmium,7440-43-9 Recovery = 97.49%						
Calcium,7440-70-2†	62090.6	5.09101 mg/L	0.035996	5.09101 mg/L	0.035996	0.71%
QC value within limits for Calcium,7440-70-2 Recovery = 101.82%						
Chromium,7440-47-3†	38744.9	0.48610 mg/L	0.007763	0.48610 mg/L	0.007763	1.60%
QC value within limits for Chromium,7440-47-3 Recovery = 97.22%						
Cobalt,7440-48-4†	8183.1	0.48872 mg/L	0.008041	0.48872 mg/L	0.008041	1.65%
QC value within limits for Cobalt,7440-48-4 Recovery = 97.74%						
Copper,7440-50-8†	97090.5	0.48497 mg/L	0.007426	0.48497 mg/L	0.007426	1.53%
QC value within limits for Copper,7440-50-8 Recovery = 96.99%						
Iron,7439-89-6†	60100.2	5.01037 mg/L	0.049230	5.01037 mg/L	0.049230	0.98%
QC value within limits for Iron,7439-89-6 Recovery = 100.21%						
Lead,7439-92-1†	2260.1	0.48669 mg/L	0.003294	0.48669 mg/L	0.003294	0.68%
QC value within limits for Lead,7439-92-1 Recovery = 97.34%						
Lithium,7439-93-2†	37384.7	0.48605 mg/L	0.007179	0.48605 mg/L	0.007179	1.48%
QC value within limits for Lithium,7439-93-2 Recovery = 97.21%						
Magnesium,7439-95-4†	12582.6	5.11878 mg/L	0.033488	5.11878 mg/L	0.033488	0.65%
QC value within limits for Magnesium,7439-95-4 Recovery = 102.38%						
Manganese,7439-96-5†	252860.5	0.49046 mg/L	0.000713	0.49046 mg/L	0.000713	0.15%
QC value within limits for Manganese,7439-96-5 Recovery = 98.09%						
Molybdenum,7439-98-7†	1994.1	0.48136 mg/L	0.005155	0.48136 mg/L	0.005155	1.07%
QC value within limits for Molybdenum,7439-98-7 Recovery = 96.27%						
Nickel,7440-02-0†	13434.1	0.49274 mg/L	0.007766	0.49274 mg/L	0.007766	1.58%
QC value within limits for Nickel,7440-02-0 Recovery = 98.55%						
Potassium,7440-09-7†	32480.1	9.70841 mg/L	0.076893	9.70841 mg/L	0.076893	0.79%
QC value within limits for Potassium,7440-09-7 Recovery = 97.08%						
Selenium,7782-49-2†	205.0	0.46958 mg/L	0.022274	0.46958 mg/L	0.022274	4.74%
QC value within limits for Selenium,7782-49-2 Recovery = 93.92%						
Silicon,7440-21-3†	24150.9	5.16942 mg/L	0.046956	5.16942 mg/L	0.046956	0.91%
QC value within limits for Silicon,7440-21-3 Recovery = 103.39%						
Silver,7440-22-4†	125164.6	0.49613 mg/L	0.001029	0.49613 mg/L	0.001029	0.21%
QC value within limits for Silver,7440-22-4 Recovery = 99.23%						
Sodium,7440-23-5†	95361.5	19.1665 mg/L	0.20811	19.1665 mg/L	0.20811	1.09%
QC value within limits for Sodium,7440-23-5 Recovery = 95.83%						
Strontium,7440-24-6†	277035.5	0.50003 mg/L	0.005892	0.50003 mg/L	0.005892	1.18%
QC value within limits for Strontium,7440-24-6 Recovery = 100.01%						
Thallium,7440-28-0†	284.0	0.48780 mg/L	0.004707	0.48780 mg/L	0.004707	0.96%
QC value within limits for Thallium,7440-28-0 Recovery = 97.56%						
Tin,7440-31-5†	595.3	0.48627 mg/L	0.004752	0.48627 mg/L	0.004752	0.98%
QC value within limits for Tin,7440-31-5 Recovery = 97.25%						
Titanium,7440-32-6†	305747.2	0.48619 mg/L	0.000656	0.48619 mg/L	0.000656	0.13%
QC value within limits for Titanium,7440-32-6 Recovery = 97.24%						
Vanadium,7440-62-2†	40513.9	0.48622 mg/L	0.005449	0.48622 mg/L	0.005449	1.12%
QC value within limits for Vanadium,7440-62-2 Recovery = 97.24%						
Zinc,7440-66-6†	11155.3	0.48222 mg/L	0.008064	0.48222 mg/L	0.008064	1.67%
QC value within limits for Zinc,7440-66-6 Recovery = 96.44%						
Zirconium,7440-67-7†	237108.3	0.48362 mg/L	0.001683	0.48362 mg/L	0.001683	0.35%
QC value within limits for Zirconium,7440-67-7 Recovery = 96.72%						

All analyte(s) passed QC.

Sequence No.: 51
Sample ID: 1900
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 6/10/2008 4:17:41 PM
Data Type: Reprocessed on 6/11/2008 9:52:49 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3608158.9	103.346	%	1.5156				1.47%
Yttrium,7440-65-5A	2042432.9	104.333	%	1.5243				1.46%
Yttrium,7440-65-5R	249135.7	106.192	%	1.0443				0.98%

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Ar 420.067 R	2127676.9	102.603 %	0.3937				0.38%
Ar 363.268 A	42331.3	97.3837 %	0.29072				0.30%
Aluminum,7429-90-5†	-22.3	-0.01286 mg/L	0.016260	-0.01286 mg/L	0.016260	126.43%	
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated							
Antimony,7440-36-0†	-4.9	-0.01137 mg/L	0.007985	-0.01137 mg/L	0.007985	70.23%	
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated							
Arsenic,7440-38-2†	1.3	0.00482 mg/L	0.005800	0.00482 mg/L	0.005800	120.44%	
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated							
Barium,7440-39-3†	9.8	0.00015 mg/L	0.000104	0.00015 mg/L	0.000104	70.31%	
QC value within limits for Barium,7440-39-3 Recovery = Not calculated							
Beryllium,7440-41-7†	-98.1	-0.00002 mg/L	0.000006	-0.00002 mg/L	0.000006	26.13%	
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated							
Boron,7440-42-8†	-641.4	-0.01137 mg/L	0.003799	-0.01137 mg/L	0.003799	33.41%	
QC value within limits for Boron,7440-42-8 Recovery = Not calculated							
Cadmium,7440-43-9†	-4.7	-0.00013 mg/L	0.000054	-0.00013 mg/L	0.000054	41.16%	
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated							
Calcium,7440-70-2†	47.5	0.00389 mg/L	0.005605	0.00389 mg/L	0.005605	143.98%	
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated							
Chromium,7440-47-3†	-81.1	-0.00102 mg/L	0.000636	-0.00102 mg/L	0.000636	62.41%	
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated							
Cobalt,7440-48-4†	-6.5	-0.00039 mg/L	0.000034	-0.00039 mg/L	0.000034	8.55%	
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated							
Copper,7440-50-8†	245.1	0.00122 mg/L	0.000468	0.00122 mg/L	0.000468	38.27%	
QC value within limits for Copper,7440-50-8 Recovery = Not calculated							
Iron,7439-89-6†	-179.8	-0.01499 mg/L	0.002021	-0.01499 mg/L	0.002021	13.49%	
QC value within limits for Iron,7439-89-6 Recovery = Not calculated							
Lead,7439-92-1†	-4.4	-0.00096 mg/L	0.001560	-0.00096 mg/L	0.001560	162.29%	
QC value within limits for Lead,7439-92-1 Recovery = Not calculated							
Lithium,7439-93-2†	-470.4	-0.00611 mg/L	0.000612	-0.00611 mg/L	0.000612	10.01%	
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated							
Magnesium,7439-95-4†	5.2	0.00213 mg/L	0.006231	0.00213 mg/L	0.006231	292.42%	
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated							
Manganese,7439-96-5†	-385.8	-0.00075 mg/L	0.000133	-0.00075 mg/L	0.000133	17.73%	
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated							
Molybdenum,7439-98-7†	3.1	0.00075 mg/L	0.000449	0.00075 mg/L	0.000449	60.02%	
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated							
Nickel,7440-02-0†	10.3	0.00038 mg/L	0.000619	0.00038 mg/L	0.000619	164.25%	
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated							
Potassium,7440-09-7†	27.3	0.00816 mg/L	0.009450	0.00816 mg/L	0.009450	115.75%	
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated							
Selenium,7782-49-2†	-8.0	-0.01819 mg/L	0.007966	-0.01819 mg/L	0.007966	43.79%	
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated							
Silicon,7440-21-3†	7.5	0.00161 mg/L	0.001092	0.00161 mg/L	0.001092	67.95%	
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated							
Silver,7440-22-4†	-17.1	-0.00007 mg/L	0.000630	-0.00007 mg/L	0.000630	936.54%	
QC value within limits for Silver,7440-22-4 Recovery = Not calculated							
Sodium,7440-23-5†	-3479.3	-0.69500 mg/L	0.021582	-0.69500 mg/L	0.021582	3.11%	
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated							
Strontium,7440-24-6†	17.0	0.00003 mg/L	0.000147	0.00003 mg/L	0.000147	480.07%	
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated							
Thallium,7440-28-0†	1.7	0.00293 mg/L	0.009667	0.00293 mg/L	0.009667	329.96%	
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated							
Tin,7440-31-5†	-5.5	-0.00444 mg/L	0.000168	-0.00444 mg/L	0.000168	3.78%	
QC value within limits for Tin,7440-31-5 Recovery = Not calculated							
Titanium,7440-32-6†	298.8	0.00048 mg/L	0.000179	0.00048 mg/L	0.000179	37.60%	
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated							
Vanadium,7440-62-2†	-3.2	-0.00004 mg/L	0.000469	-0.00004 mg/L	0.000469	>999.9%	
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated							
Zinc,7440-66-6†	-39.2	-0.00171 mg/L	0.000182	-0.00171 mg/L	0.000182	10.65%	
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated							
Zirconium,7440-67-7†	157.6	0.00032 mg/L	0.000140	0.00032 mg/L	0.000140	43.31%	
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 52
Sample ID: 20806052204
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 47
Date Collected: 6/10/2008 4:23:47 PM
Data Type: Reprocessed on 6/11/2008 9:52:53 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20806052204

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3373080.9	96.6129	%	1.37064				1.42%
Yttrium,7440-65-5A	2028478.4	103.620	%	1.0009				0.97%
Yttrium,7440-65-5R	262877.1	112.050	%	1.0409				0.93%
Ar 420.067 R	1998668.4	96.3819	%	0.23364				0.24%
Ar 363.268 A	35645.3	82.0024	%	0.45215				0.55%
Aluminum,7429-90-5†	708859.2	408.529	mg/L	9.4362	16211.5	mg/kg	374.45	2.31%
Antimony,7440-36-0†	-99.1	0.65555	mg/L	0.019681	26.0140	mg/kg	0.78098	3.00%
Arsenic,7440-38-2†	69.5	-0.21377	mg/L	0.016902	-8.48274	mg/kg	0.670718	7.91%
Barium,7440-39-3†	358755.8	5.40926	mg/L	0.121949	214.653	mg/kg	4.8392	2.25%
Beryllium,7440-41-7†	88064.7	0.02553	mg/L	0.000456	1.01328	mg/kg	0.018097	1.79%
Boron,7440-42-8†	121343.4	2.20204	mg/L	0.051375	87.3825	mg/kg	2.03870	2.33%
Cadmium,7440-43-9†	336.1	-0.00488	mg/L	0.000368	-0.19372	mg/kg	0.014617	7.55%
Calcium,7440-70-2†	5011955.7	410.862	mg/L	8.2156	16304.1	mg/kg	326.01	2.00%
Chromium,7440-47-3†	35558.0	0.49230	mg/L	0.010530	19.5359	mg/kg	0.41785	2.14%
Cobalt,7440-48-4†	3068.0	0.18121	mg/L	0.003326	7.19088	mg/kg	0.132002	1.84%
Copper,7440-50-8†	52879.0	0.29333	mg/L	0.006473	11.6402	mg/kg	0.25685	2.21%
Iron,7439-89-6†	5263932.1	438.817	mg/L	8.4711	17413.4	mg/kg	336.15	1.93%
Lead,7439-92-1†	1681.2	0.39574	mg/L	0.004013	15.7039	mg/kg	0.15923	1.01%
Lithium,7439-93-2†	39082.2	0.51236	mg/L	0.013758	20.3317	mg/kg	0.54594	2.69%
Magnesium,7439-95-4†	599989.3	244.088	mg/L	6.0987	9686.04	mg/kg	242.013	2.50%
Manganese,7439-96-5†	5096144.8	9.87808	mg/L	0.033200	391.987	mg/kg	1.3174	0.34%
Molybdenum,7439-98-7†	18.1	0.01610	mg/L	0.000553	0.63899	mg/kg	0.021943	3.43%
Nickel,7440-02-0†	11239.7	0.43033	mg/L	0.008964	17.0767	mg/kg	0.35572	2.08%
Potassium,7440-09-7†	433598.1	129.613	mg/L	3.2567	5143.38	mg/kg	129.234	2.51%
Selenium,7782-49-2†	26.6	0.35721	mg/L	0.023929	14.1751	mg/kg	0.94957	6.70%
Silicon,7440-21-3†	104486.6	22.3134	mg/L	0.53741	885.453	mg/kg	21.3259	2.41%
Silver,7440-22-4†	-16697.8	-0.06280	mg/L	0.000570	-2.49206	mg/kg	0.022629	0.91%
Sodium,7440-23-5†	740643.8	143.012	mg/L	2.7017	5675.09	mg/kg	107.209	1.89%
Strontium,7440-24-6†	649923.4	1.16113	mg/L	0.026869	46.0765	mg/kg	1.06624	2.31%
Thallium,7440-28-0†	22.7	-0.13661	mg/L	0.010975	-5.42109	mg/kg	0.435521	8.03%
Tin,7440-31-5†	13.4	0.10385	mg/L	0.006444	4.12086	mg/kg	0.255731	6.21%
Titanium,7440-32-6†	388004.6	0.61641	mg/L	0.003555	24.4609	mg/kg	0.14106	0.58%
Vanadium,7440-62-2†	53982.4	0.44828	mg/L	0.011525	17.7888	mg/kg	0.45734	2.57%
Zinc,7440-66-6†	118453.4	5.08865	mg/L	0.116532	201.931	mg/kg	4.6243	2.29%
Zirconium,7440-67-7†	92156.5	0.17127	mg/L	0.003799	6.79628	mg/kg	0.150735	2.22%

Sequence No.: 53
Sample ID: 20806052209
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 48
Date Collected: 6/10/2008 4:30:14 PM
Data Type: Reprocessed on 6/11/2008 9:52:56 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20806052209

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3513484.4	100.634	%	0.4858				0.48%
Yttrium,7440-65-5A	2096525.9	107.096	%	0.5869				0.55%
Yttrium,7440-65-5R	271873.3	115.884	%	0.8462				0.73%
Ar 420.067 R	2098568.7	101.199	%	0.4094				0.40%
Ar 363.268 A	38934.0	89.5682	%	0.16143				0.18%
Aluminum,7429-90-5†	435406.4	250.923	mg/L	2.6028	9957.28	mg/kg	103.285	1.04%
Antimony,7440-36-0†	-65.2	0.29995	mg/L	0.006324	11.9028	mg/kg	0.25094	2.11%
Arsenic,7440-38-2†	12.0	-0.18593	mg/L	0.005824	-7.37805	mg/kg	0.231131	3.13%
Barium,7440-39-3†	47568.2	0.71336	mg/L	0.009157	28.3080	mg/kg	0.36338	1.28%
Beryllium,7440-41-7†	60187.9	0.01770	mg/L	0.000194	0.70245	mg/kg	0.007689	1.09%
Boron,7440-42-8†	71121.3	1.28834	mg/L	0.020694	51.1248	mg/kg	0.82119	1.61%
Cadmium,7440-43-9†	62.7	-0.00541	mg/L	0.000073	-0.21467	mg/kg	0.002881	1.34%
Calcium,7440-70-2†	401645.1	32.9224	mg/L	0.40712	1306.44	mg/kg	16.156	1.24%
Chromium,7440-47-3†	23114.2	0.31337	mg/L	0.004053	12.4353	mg/kg	0.16082	1.29%
Cobalt,7440-48-4†	1487.2	0.08771	mg/L	0.000384	3.48065	mg/kg	0.015236	0.44%
Copper,7440-50-8†	37097.2	0.20161	mg/L	0.002412	8.00041	mg/kg	0.095701	1.20%
Iron,7439-89-6†	2725684.5	227.215	mg/L	3.4897	9016.45	mg/kg	138.479	1.54%
Lead,7439-92-1†	868.9	0.20526	mg/L	0.003107	8.14529	mg/kg	0.123309	1.51%

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Lithium,7439-93-2†	21332.7	0.27912 mg/L	0.003793	11.0762 mg/kg	0.15053	1.36%
Magnesium,7439-95-4†	321109.8	130.634 mg/L	1.6212	5183.88 mg/kg	64.335	1.24%
Manganese,7439-96-5†	927723.0	1.79300 mg/L	0.002372	71.1509 mg/kg	0.09411	0.13%
Molybdenum,7439-98-7†	-3.3	0.00771 mg/L	0.002153	0.30583 mg/kg	0.085425	27.93%
Nickel,7440-02-0†	6730.0	0.25611 mg/L	0.001391	10.1631 mg/kg	0.05519	0.54%
Potassium,7440-09-7†	306694.0	91.6873 mg/L	1.22245	3638.39 mg/kg	48.510	1.33%
Selenium,7782-49-2†	28.1	0.21615 mg/L	0.015530	8.57755 mg/kg	0.616282	7.18%
Silicon,7440-21-3†	130792.6	27.9770 mg/L	0.28946	1110.20 mg/kg	11.487	1.03%
Silver,7440-22-4†	-9099.3	-0.03321 mg/L	0.000430	-1.31770 mg/kg	0.017061	1.29%
Sodium,7440-23-5†	589998.2	114.789 mg/L	1.6624	4555.12 mg/kg	65.967	1.45%
Strontium,7440-24-6†	301036.4	0.54224 mg/L	0.005887	21.5174 mg/kg	0.23359	1.09%
Thallium,7440-28-0†	30.5	-0.06455 mg/L	0.009883	-2.56132 mg/kg	0.392176	15.31%
Tin,7440-31-5†	5.4	0.02289 mg/L	0.004300	0.90819 mg/kg	0.170634	18.79%
Titanium,7440-32-6†	289397.9	0.45992 mg/L	0.002079	18.2508 mg/kg	0.08249	0.45%
Vanadium,7440-62-2†	33511.1	0.29996 mg/L	0.004757	11.9031 mg/kg	0.18879	1.59%
Zinc,7440-66-6†	19733.7	0.81614 mg/L	0.009140	32.3864 mg/kg	0.36270	1.12%
Zirconium,7440-67-7†	92582.9	0.18024 mg/L	0.002193	7.15226 mg/kg	0.087024	1.22%

Sequence No.: 54
Sample ID: 20806052210
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 49
Date Collected: 6/10/2008 4:36:35 PM
Data Type: Reprocessed on 6/11/2008 9:52:58 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20806052210

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3489379.3	99.9439	%	0.66217				0.66%
Yttrium,7440-65-5A	2102501.3	107.401	%	0.8117				0.76%
Yttrium,7440-65-5R	270065.6	115.114	%	1.2790				1.11%
Ar 420.067 R	2088040.9	100.692	%	0.1346				0.13%
Ar 363.268 A	37937.2	87.2750	%	0.30925				0.35%
Aluminum,7429-90-5†	521831.9	300.734	mg/L	2.4766	12029.4	mg/kg	99.06	0.82%
Antimony,7440-36-0†	-76.7	0.44655	mg/L	0.005051	17.8619	mg/kg	0.20206	1.13%
Arsenic,7440-38-2†	24.8	-0.21362	mg/L	0.016317	-8.54488	mg/kg	0.652665	7.64%
Barium,7440-39-3†	111294.2	1.67485	mg/L	0.012318	66.9941	mg/kg	0.49271	0.74%
Beryllium,7440-41-7†	74988.3	0.02094	mg/L	0.000141	0.83757	mg/kg	0.005621	0.67%
Boron,7440-42-8†	90244.9	1.63842	mg/L	0.015125	65.5370	mg/kg	0.60500	0.92%
Cadmium,7440-43-9†	137.5	-0.00629	mg/L	0.000177	-0.25175	mg/kg	0.007065	2.81%
Calcium,7440-70-2†	378648.4	31.0358	mg/L	0.30302	1241.43	mg/kg	12.121	0.98%
Chromium,7440-47-3†	27709.4	0.38219	mg/L	0.001254	15.2874	mg/kg	0.05018	0.33%
Cobalt,7440-48-4†	1973.9	0.11708	mg/L	0.000187	4.68336	mg/kg	0.007477	0.16%
Copper,7440-50-8†	40734.7	0.22597	mg/L	0.001367	9.03887	mg/kg	0.054687	0.61%
Iron,7439-89-6†	3755498.9	313.061	mg/L	2.0159	12522.4	mg/kg	80.64	0.64%
Lead,7439-92-1†	965.4	0.22966	mg/L	0.004767	9.18621	mg/kg	0.190669	2.08%
Lithium,7439-93-2†	27858.6	0.36450	mg/L	0.004522	14.5800	mg/kg	0.18086	1.24%
Magnesium,7439-95-4†	394691.5	160.576	mg/L	1.7914	6423.04	mg/kg	71.656	1.12%
Manganese,7439-96-5†	1068879.7	2.06467	mg/L	0.001785	82.5870	mg/kg	0.07141	0.09%
Molybdenum,7439-98-7†	-0.8	0.01033	mg/L	0.001713	0.41308	mg/kg	0.068514	16.59%
Nickel,7440-02-0†	9088.3	0.34663	mg/L	0.001659	13.8652	mg/kg	0.06637	0.48%
Potassium,7440-09-7†	321157.3	96.0119	mg/L	1.02943	3840.48	mg/kg	41.177	1.07%
Selenium,7782-49-2†	33.3	0.29111	mg/L	0.010567	11.6446	mg/kg	0.42267	3.63%
Silicon,7440-21-3†	78111.6	16.6912	mg/L	0.14729	667.647	mg/kg	5.8917	0.88%
Silver,7440-22-4†	-12483.4	-0.04614	mg/L	0.000808	-1.84562	mg/kg	0.032311	1.75%
Sodium,7440-23-5†	700438.1	135.457	mg/L	0.8214	5418.28	mg/kg	32.856	0.61%
Strontium,7440-24-6†	280507.0	0.50509	mg/L	0.004313	20.2035	mg/kg	0.17253	0.85%
Thallium,7440-28-0†	37.9	-0.09967	mg/L	0.014273	-3.98670	mg/kg	0.570935	14.32%
Tin,7440-31-5†	5.2	0.02523	mg/L	0.002484	1.00927	mg/kg	0.099343	9.84%
Titanium,7440-32-6†	207720.4	0.32983	mg/L	0.001243	13.1933	mg/kg	0.04972	0.38%
Vanadium,7440-62-2†	38963.3	0.32603	mg/L	0.001013	13.0410	mg/kg	0.04053	0.31%
Zinc,7440-66-6†	19976.8	0.80980	mg/L	0.007182	32.3922	mg/kg	0.28729	0.89%
Zirconium,7440-67-7†	60003.6	0.11061	mg/L	0.000687	4.42459	mg/kg	0.027478	0.62%

Sequence No.: 55
Sample ID: 20806052211
Analyst:
Logged In Analyst (Original) : met

Autosampler Location: 50
Date Collected: 6/10/2008 4:42:53 PM
Data Type: Reprocessed on 6/11/2008 9:52:59 AM

Initial Sample Wt: 1.25 g
Dilution: 1X

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20806052211

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3275396.8	93.8150	%	1.09506				1.17%
Yttrium,7440-65-5A	1934599.1	98.8242	%	1.17668				1.19%
Yttrium,7440-65-5R	257641.9	109.818	%	1.1144				1.01%
Ar 420.067 R	1976172.2	95.2971	%	0.13958				0.15%
Ar 363.268 A	36132.0	83.1220	%	0.51569				0.62%
Aluminum,7429-90-5†	671684.5	387.102	mg/L	1.7480	15484.1	mg/kg	69.92	0.45%
Antimony,7440-36-0†	-90.9	0.59089	mg/L	0.001510	23.6354	mg/kg	0.06040	0.26%
Arsenic,7440-38-2†	71.4	-0.21036	mg/L	0.019835	-8.41451	mg/kg	0.793418	9.43%
Barium,7440-39-3†	97786.4	1.46220	mg/L	0.009564	58.4879	mg/kg	0.38257	0.65%
Beryllium,7440-41-7†	74965.3	0.02395	mg/L	0.000091	0.95804	mg/kg	0.003629	0.38%
Boron,7440-42-8†	110517.6	2.00872	mg/L	0.012131	80.3489	mg/kg	0.48524	0.60%
Cadmium,7440-43-9†	209.7	-0.00672	mg/L	0.000565	-0.26864	mg/kg	0.022615	8.42%
Calcium,7440-70-2†	9294629.7	761.958	mg/L	12.7463	30478.3	mg/kg	509.85	1.67%
Chromium,7440-47-3†	32175.0	0.44479	mg/L	0.003732	17.7917	mg/kg	0.14930	0.84%
Cobalt,7440-48-4†	2390.3	0.14015	mg/L	0.001539	5.60588	mg/kg	0.061554	1.10%
Copper,7440-50-8†	40953.0	0.23200	mg/L	0.001752	9.27989	mg/kg	0.070100	0.76%
Iron,7439-89-6†	4702857.2	392.051	mg/L	6.5607	15682.0	mg/kg	262.43	1.67%
Lead,7439-92-1†	703.5	0.18927	mg/L	0.001388	7.57064	mg/kg	0.055539	0.73%
Lithium,7439-93-2†	36284.6	0.47587	mg/L	0.001955	19.0350	mg/kg	0.07819	0.41%
Magnesium,7439-95-4†	556269.8	226.318	mg/L	1.3064	9052.72	mg/kg	52.256	0.58%
Manganese,7439-96-5†	2917026.4	5.64912	mg/L	0.009845	225.965	mg/kg	0.3938	0.17%
Molybdenum,7439-98-7†	21.0	0.01130	mg/L	0.002002	0.45182	mg/kg	0.080070	17.72%
Nickel,7440-02-0†	9202.9	0.35358	mg/L	0.004682	14.1431	mg/kg	0.18727	1.32%
Potassium,7440-09-7†	355648.0	106.304	mg/L	0.2375	4252.17	mg/kg	9.500	0.22%
Selenium,7782-49-2†	17.3	0.30413	mg/L	0.020319	12.1653	mg/kg	0.81277	6.68%
Silicon,7440-21-3†	111812.2	23.8808	mg/L	0.10917	955.233	mg/kg	4.3667	0.46%
Silver,7440-22-4†	-15040.2	-0.05569	mg/L	0.000389	-2.22777	mg/kg	0.015554	0.70%
Sodium,7440-23-5†	623034.5	120.385	mg/L	0.7436	4815.40	mg/kg	29.746	0.62%
Strontium,7440-24-6†	795632.1	1.41438	mg/L	0.018286	56.5753	mg/kg	0.73143	1.29%
Thallium,7440-28-0†	21.7	-0.13109	mg/L	0.015137	-5.24362	mg/kg	0.605485	11.55%
Tin,7440-31-5†	-6.2	0.14777	mg/L	0.006808	5.91090	mg/kg	0.272325	4.61%
Titanium,7440-32-6†	628161.4	0.99855	mg/L	0.001539	39.9420	mg/kg	0.06157	0.15%
Vanadium,7440-62-2†	51886.0	0.44354	mg/L	0.003751	17.7416	mg/kg	0.15005	0.85%
Zinc,7440-66-6†	21230.5	0.86209	mg/L	0.005897	34.4837	mg/kg	0.23590	0.68%
Zirconium,7440-67-7†	82120.4	0.15223	mg/L	0.000853	6.08922	mg/kg	0.034122	0.56%

Sequence No.: 56
Sample ID: 20806052208
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 51
Date Collected: 6/10/2008 4:49:34 PM
Data Type: Reprocessed on 6/11/2008 9:53:01 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20806052208

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3516994.6	100.735	%	0.4636				0.46%
Yttrium,7440-65-5A	2094377.1	106.986	%	0.4626				0.43%
Yttrium,7440-65-5R	270776.6	115.417	%	1.7740				1.54%
Ar 420.067 R	2092733.6	100.918	%	0.1845				0.18%
Ar 363.268 A	38902.1	89.4948	%	0.31125				0.35%
Aluminum,7429-90-5†	482563.9	278.100	mg/L	4.1996	11035.7	mg/kg	166.65	1.51%
Antimony,7440-36-0†	-67.3	0.32990	mg/L	0.017024	13.0911	mg/kg	0.67557	5.16%
Arsenic,7440-38-2†	23.3	-0.17003	mg/L	0.019729	-6.74738	mg/kg	0.782893	11.60%
Barium,7440-39-3†	54571.0	0.81848	mg/L	0.006523	32.4794	mg/kg	0.25886	0.80%
Beryllium,7440-41-7†	65063.7	0.01991	mg/L	0.000114	0.79010	mg/kg	0.004508	0.57%
Boron,7440-42-8†	78273.4	1.41713	mg/L	0.013656	56.2352	mg/kg	0.54192	0.96%
Cadmium,7440-43-9†	119.0	-0.00437	mg/L	0.000232	-0.17333	mg/kg	0.009202	5.31%
Calcium,7440-70-2†	815419.6	66.8424	mg/L	1.21935	2652.47	mg/kg	48.387	1.82%
Chromium,7440-47-3†	25190.3	0.34083	mg/L	0.002222	13.5250	mg/kg	0.08816	0.65%
Cobalt,7440-48-4†	1419.0	0.08309	mg/L	0.000501	3.29717	mg/kg	0.019899	0.60%
Copper,7440-50-8†	42537.2	0.22990	mg/L	0.001590	9.12317	mg/kg	0.063081	0.69%

Iron,7439-89-6†	2933661.2	244.553 mg/L	0.2623	9704.47 mg/kg	10.409	0.11%
Lead,7439-92-1†	966.2	0.22850 mg/L	0.001503	9.06729 mg/kg	0.059632	0.66%
Lithium,7439-93-2†	22347.4	0.29257 mg/L	0.007242	11.6097 mg/kg	0.28737	2.48%
Magnesium,7439-95-4†	334301.6	136.003 mg/L	2.6328	5396.93 mg/kg	104.477	1.94%
Manganese,7439-96-5†	1378751.5	2.66780 mg/L	0.000312	105.865 mg/kg	0.0124	0.01%
Molybdenum,7439-98-7†	13.1	0.01231 mg/L	0.003715	0.48837 mg/kg	0.147435	30.19%
Nickel,7440-02-0†	6652.7	0.25385 mg/L	0.002687	10.0733 mg/kg	0.10661	1.06%
Potassium,7440-09-7†	336073.6	100.469 mg/L	1.8233	3986.86 mg/kg	72.355	1.81%
Selenium,7782-49-2†	11.9	0.18967 mg/L	0.006418	7.52656 mg/kg	0.254665	3.38%
Silicon,7440-21-3†	111101.2	23.7583 mg/L	0.39784	942.788 mg/kg	15.7872	1.67%
Silver,7440-22-4†	-9549.3	-0.03499 mg/L	0.000266	-1.38838 mg/kg	0.010571	0.76%
Sodium,7440-23-5†	575039.3	111.717 mg/L	1.7397	4433.20 mg/kg	69.035	1.56%
Strontium,7440-24-6†	552156.9	0.99466 mg/L	0.015075	39.4707 mg/kg	0.59821	1.52%
Thallium,7440-28-0†	21.4	-0.08188 mg/L	0.006850	-3.24909 mg/kg	0.271836	8.37%
Tin,7440-31-5†	12.5	0.03645 mg/L	0.000129	1.44641 mg/kg	0.005114	0.35%
Titanium,7440-32-6†	419635.7	0.66708 mg/L	0.000464	26.4716 mg/kg	0.01840	0.07%
Vanadium,7440-62-2†	35511.0	0.31578 mg/L	0.006126	12.5311 mg/kg	0.24309	1.94%
Zinc,7440-66-6†	21048.6	0.87078 mg/L	0.007232	34.5549 mg/kg	0.28698	0.83%
Zirconium,7440-67-7†	104827.7	0.20441 mg/L	0.001943	8.11159 mg/kg	0.077101	0.95%

Sequence No.: 57
Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 6/10/2008 4:55:56 PM
Data Type: Reprocessed on 6/11/2008 9:53:05 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	3552089.4	101.740	%	0.2100				0.21%
Yttrium,7440-65-5A	1986324.9	101.466	%	0.2949				0.29%
Yttrium,7440-65-5R	246733.9	105.169	%	0.5826				0.55%
Ar 420.067 R	2131983.8	102.811	%	0.3496				0.34%
Ar 363.268 A	42942.2	98.7890	%	0.27865				0.28%
Aluminum,7429-90-5†	8704.8	5.01270	mg/L	0.032999	5.01270	mg/L	0.032999	0.66%
QC value within limits for Aluminum,7429-90-5 Recovery = 100.25%								
Antimony,7440-36-0†	209.2	0.49344	mg/L	0.002990	0.49344	mg/L	0.002990	0.61%
QC value within limits for Antimony,7440-36-0 Recovery = 98.69%								
Arsenic,7440-38-2†	132.5	0.47649	mg/L	0.013791	0.47649	mg/L	0.013791	2.89%
QC value within limits for Arsenic,7440-38-2 Recovery = 95.30%								
Barium,7440-39-3†	32447.2	0.48997	mg/L	0.002581	0.48997	mg/L	0.002581	0.53%
QC value within limits for Barium,7440-39-3 Recovery = 97.99%								
Beryllium,7440-41-7†	1872267.8	0.49164	mg/L	0.001284	0.49164	mg/L	0.001284	0.26%
QC value within limits for Beryllium,7440-41-7 Recovery = 98.33%								
Boron,7440-42-8†	133039.5	2.35840	mg/L	0.013209	2.35840	mg/L	0.013209	0.56%
QC value within limits for Boron,7440-42-8 Recovery = 94.34%								
Cadmium,7440-43-9†	17275.0	0.48859	mg/L	0.002106	0.48859	mg/L	0.002106	0.43%
QC value within limits for Cadmium,7440-43-9 Recovery = 97.72%								
Calcium,7440-70-2†	62578.3	5.13098	mg/L	0.043987	5.13098	mg/L	0.043987	0.86%
QC value within limits for Calcium,7440-70-2 Recovery = 102.62%								
Chromium,7440-47-3†	38766.5	0.48638	mg/L	0.002396	0.48638	mg/L	0.002396	0.49%
QC value within limits for Chromium,7440-47-3 Recovery = 97.28%								
Cobalt,7440-48-4†	8207.8	0.49019	mg/L	0.002224	0.49019	mg/L	0.002224	0.45%
QC value within limits for Cobalt,7440-48-4 Recovery = 98.04%								
Copper,7440-50-8†	97741.5	0.48822	mg/L	0.002921	0.48822	mg/L	0.002921	0.60%
QC value within limits for Copper,7440-50-8 Recovery = 97.64%								
Iron,7439-89-6†	61387.6	5.11769	mg/L	0.035510	5.11769	mg/L	0.035510	0.69%
QC value within limits for Iron,7439-89-6 Recovery = 102.35%								
Lead,7439-92-1†	2280.1	0.49098	mg/L	0.004346	0.49098	mg/L	0.004346	0.89%
QC value within limits for Lead,7439-92-1 Recovery = 98.20%								
Lithium,7439-93-2†	38367.5	0.49883	mg/L	0.002557	0.49883	mg/L	0.002557	0.51%
QC value within limits for Lithium,7439-93-2 Recovery = 99.77%								
Magnesium,7439-95-4†	12721.0	5.17506	mg/L	0.048177	5.17506	mg/L	0.048177	0.93%
QC value within limits for Magnesium,7439-95-4 Recovery = 103.50%								
Manganese,7439-96-5†	255061.0	0.49473	mg/L	0.001406	0.49473	mg/L	0.001406	0.28%
QC value within limits for Manganese,7439-96-5 Recovery = 98.95%								
Molybdenum,7439-98-7†	2016.7	0.48681	mg/L	0.000653	0.48681	mg/L	0.000653	0.13%
QC value within limits for Molybdenum,7439-98-7 Recovery = 97.36%								

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Nickel,7440-02-0†	13432.5	0.49269 mg/L	0.003074	0.49269 mg/L	0.003074	0.62%
QC value within limits for Nickel,7440-02-0 Recovery = 98.54%						
Potassium,7440-09-7†	34233.5	10.2326 mg/L	0.05701	10.2326 mg/L	0.05701	0.56%
QC value within limits for Potassium,7440-09-7 Recovery = 102.33%						
Selenium,7782-49-2†	204.1	0.46756 mg/L	0.006642	0.46756 mg/L	0.006642	1.42%
QC value within limits for Selenium,7782-49-2 Recovery = 93.51%						
Silicon,7440-21-3†	24424.3	5.22795 mg/L	0.027061	5.22795 mg/L	0.027061	0.52%
QC value within limits for Silicon,7440-21-3 Recovery = 104.56%						
Silver,7440-22-4†	125447.0	0.49723 mg/L	0.002655	0.49723 mg/L	0.002655	0.53%
QC value within limits for Silver,7440-22-4 Recovery = 99.45%						
Sodium,7440-23-5†	99015.2	19.8958 mg/L	0.15708	19.8958 mg/L	0.15708	0.79%
QC value within limits for Sodium,7440-23-5 Recovery = 99.48%						
Strontium,7440-24-6†	276974.5	0.49992 mg/L	0.002418	0.49992 mg/L	0.002418	0.48%
QC value within limits for Strontium,7440-24-6 Recovery = 99.98%						
Thallium,7440-28-0†	280.0	0.49796 mg/L	0.007092	0.49796 mg/L	0.007092	1.42%
QC value within limits for Thallium,7440-28-0 Recovery = 99.59%						
Tin,7440-31-5†	597.9	0.48838 mg/L	0.002036	0.48838 mg/L	0.002036	0.42%
QC value within limits for Tin,7440-31-5 Recovery = 97.68%						
Titanium,7440-32-6†	308255.6	0.49018 mg/L	0.001407	0.49018 mg/L	0.001407	0.29%
QC value within limits for Titanium,7440-32-6 Recovery = 98.04%						
Vanadium,7440-62-2†	40498.7	0.48599 mg/L	0.001539	0.48599 mg/L	0.001539	0.32%
QC value within limits for Vanadium,7440-62-2 Recovery = 97.20%						
Zinc,7440-66-6†	11206.5	0.48443 mg/L	0.002332	0.48443 mg/L	0.002332	0.48%
QC value within limits for Zinc,7440-66-6 Recovery = 96.89%						
Zirconium,7440-67-7†	240203.6	0.48993 mg/L	0.001321	0.48993 mg/L	0.001321	0.27%
QC value within limits for Zirconium,7440-67-7 Recovery = 97.99%						

All analyte(s) passed QC.

Sequence No.: 58 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 6/10/2008 5:02:27 PM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:53:07 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1800

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3555102.5	101.826	%	0.1706				0.17%
Yttrium,7440-65-5A	1974376.8	100.856	%	0.1621				0.16%
Yttrium,7440-65-5R	245526.9	104.654	%	0.8466				0.81%
Ar 420.067 R	2128587.9	102.647	%	0.1909				0.19%
Ar 363.268 A	42910.8	98.7168	%	0.16809				0.17%
Aluminum,7429-90-5†	8635.3	4.97265	mg/L	0.023095	4.97265	mg/L	0.023095	0.46%
QC value within limits for Aluminum,7429-90-5 Recovery = 99.45%								
Antimony,7440-36-0†	205.4	0.48458	mg/L	0.009355	0.48458	mg/L	0.009355	1.93%
QC value within limits for Antimony,7440-36-0 Recovery = 96.92%								
Arsenic,7440-38-2†	132.8	0.47747	mg/L	0.012369	0.47747	mg/L	0.012369	2.59%
QC value within limits for Arsenic,7440-38-2 Recovery = 95.49%								
Barium,7440-39-3†	32577.5	0.49195	mg/L	0.007239	0.49195	mg/L	0.007239	1.47%
QC value within limits for Barium,7440-39-3 Recovery = 98.39%								
Beryllium,7440-41-7†	1857458.4	0.48775	mg/L	0.000557	0.48775	mg/L	0.000557	0.11%
QC value within limits for Beryllium,7440-41-7 Recovery = 97.55%								
Boron,7440-42-8†	135626.9	2.40426	mg/L	0.047260	2.40426	mg/L	0.047260	1.97%
QC value within limits for Boron,7440-42-8 Recovery = 96.17%								
Cadmium,7440-43-9†	17333.3	0.49024	mg/L	0.008134	0.49024	mg/L	0.008134	1.66%
QC value within limits for Cadmium,7440-43-9 Recovery = 98.05%								
Calcium,7440-70-2†	62157.1	5.09647	mg/L	0.025794	5.09647	mg/L	0.025794	0.51%
QC value within limits for Calcium,7440-70-2 Recovery = 101.93%								
Chromium,7440-47-3†	38954.8	0.48874	mg/L	0.007937	0.48874	mg/L	0.007937	1.62%
QC value within limits for Chromium,7440-47-3 Recovery = 97.75%								
Cobalt,7440-48-4†	8221.3	0.49100	mg/L	0.008788	0.49100	mg/L	0.008788	1.79%
QC value within limits for Cobalt,7440-48-4 Recovery = 98.20%								
Copper,7440-50-8†	98108.1	0.49005	mg/L	0.007969	0.49005	mg/L	0.007969	1.63%
QC value within limits for Copper,7440-50-8 Recovery = 98.01%								
Iron,7439-89-6†	60381.4	5.03381	mg/L	0.025761	5.03381	mg/L	0.025761	0.51%
QC value within limits for Iron,7439-89-6 Recovery = 100.68%								
Lead,7439-92-1†	2254.9	0.48556	mg/L	0.003616	0.48556	mg/L	0.003616	0.74%
QC value within limits for Lead,7439-92-1 Recovery = 97.11%								

Lithium,7439-93-2†	38023.5	0.49435 mg/L	0.000545	0.49435 mg/L	0.000545	0.11%
QC value within limits for Lithium,7439-93-2 Recovery = 98.87%						
Magnesium,7439-95-4†	12526.6	5.09599 mg/L	0.042732	5.09599 mg/L	0.042732	0.84%
QC value within limits for Magnesium,7439-95-4 Recovery = 101.92%						
Manganese,7439-96-5†	252491.4	0.48974 mg/L	0.000112	0.48974 mg/L	0.000112	0.02%
QC value within limits for Manganese,7439-96-5 Recovery = 97.95%						
Molybdenum,7439-98-7†	1991.1	0.48064 mg/L	0.001937	0.48064 mg/L	0.001937	0.40%
QC value within limits for Molybdenum,7439-98-7 Recovery = 96.13%						
Nickel,7440-02-0†	13518.0	0.49582 mg/L	0.010249	0.49582 mg/L	0.010249	2.07%
QC value within limits for Nickel,7440-02-0 Recovery = 99.16%						
Potassium,7440-09-7†	33041.5	9.87624 mg/L	0.032779	9.87624 mg/L	0.032779	0.33%
QC value within limits for Potassium,7440-09-7 Recovery = 98.76%						
Selenium,7782-49-2†	197.9	0.45342 mg/L	0.007082	0.45342 mg/L	0.007082	1.56%
QC value within limits for Selenium,7782-49-2 Recovery = 90.68%						
Silicon,7440-21-3†	24328.1	5.20736 mg/L	0.027502	5.20736 mg/L	0.027502	0.53%
QC value within limits for Silicon,7440-21-3 Recovery = 104.15%						
Silver,7440-22-4†	125964.2	0.49927 mg/L	0.007945	0.49927 mg/L	0.007945	1.59%
QC value within limits for Silver,7440-22-4 Recovery = 99.85%						
Sodium,7440-23-5†	96416.4	19.3772 mg/L	0.12008	19.3772 mg/L	0.12008	0.62%
QC value within limits for Sodium,7440-23-5 Recovery = 96.89%						
Strontium,7440-24-6†	272984.1	0.49271 mg/L	0.003649	0.49271 mg/L	0.003649	0.74%
QC value within limits for Strontium,7440-24-6 Recovery = 98.54%						
Thallium,7440-28-0†	282.2	0.48463 mg/L	0.003105	0.48463 mg/L	0.003105	0.64%
QC value within limits for Thallium,7440-28-0 Recovery = 96.93%						
Tin,7440-31-5†	592.8	0.48419 mg/L	0.005131	0.48419 mg/L	0.005131	1.06%
QC value within limits for Tin,7440-31-5 Recovery = 96.84%						
Titanium,7440-32-6†	305692.4	0.48610 mg/L	0.000481	0.48610 mg/L	0.000481	0.10%
QC value within limits for Titanium,7440-32-6 Recovery = 97.22%						
Vanadium,7440-62-2†	40578.5	0.48700 mg/L	0.006571	0.48700 mg/L	0.006571	1.35%
QC value within limits for Vanadium,7440-62-2 Recovery = 97.40%						
Zinc,7440-66-6†	11251.7	0.48640 mg/L	0.009121	0.48640 mg/L	0.009121	1.88%
QC value within limits for Zinc,7440-66-6 Recovery = 97.28%						
Zirconium,7440-67-7†	238625.4	0.48672 mg/L	0.000088	0.48672 mg/L	0.000088	0.02%
QC value within limits for Zirconium,7440-67-7 Recovery = 97.34%						

All analyte(s) passed QC.

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Sequence No.: 59 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 6/10/2008 5:09:03 PM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:53:08 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	3600674.0	103.132	%	0.7151				0.69%
Yttrium,7440-65-5A	2043090.9	104.366	%	0.7565				0.72%
Yttrium,7440-65-5R	249369.5	106.292	%	0.6412				0.60%
Ar 420.067 R	2130259.2	102.728	%	0.1349				0.13%
Ar 363.268 A	42335.5	97.3933	%	0.38448				0.39%
Aluminum,7429-90-5†	-13.3	-0.00763	mg/L	0.009871	-0.00763	mg/L	0.009871	129.30%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	-5.7	-0.01308	mg/L	0.001697	-0.01308	mg/L	0.001697	12.97%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-1.1	-0.00382	mg/L	0.005943	-0.00382	mg/L	0.005943	155.67%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	15.0	0.00023	mg/L	0.000244	0.00023	mg/L	0.000244	107.82%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-178.9	-0.00004	mg/L	0.000023	-0.00004	mg/L	0.000023	53.14%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	-380.4	-0.00674	mg/L	0.002724	-0.00674	mg/L	0.002724	40.41%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-2.3	-0.00006	mg/L	0.000144	-0.00006	mg/L	0.000144	225.35%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	21.5	0.00176	mg/L	0.002710	0.00176	mg/L	0.002710	154.39%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-90.0	-0.00113	mg/L	0.000096	-0.00113	mg/L	0.000096	8.47%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								

Cobalt,7440-48-4†	-8.1	-0.00048 mg/L	0.000506	-0.00048 mg/L	0.000506	104.44%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated						
Copper,7440-50-8†	285.4	0.00143 mg/L	0.000210	0.00143 mg/L	0.000210	14.74%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated						
Iron,7439-89-6†	93.6	0.00780 mg/L	0.002175	0.00780 mg/L	0.002175	27.86%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated						
Lead,7439-92-1†	-4.3	-0.00093 mg/L	0.000945	-0.00093 mg/L	0.000945	102.11%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated						
Lithium,7439-93-2†	-237.5	-0.00309 mg/L	0.000490	-0.00309 mg/L	0.000490	15.88%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated						
Magnesium,7439-95-4†	21.3	0.00865 mg/L	0.003768	0.00865 mg/L	0.003768	43.57%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated						
Manganese,7439-96-5†	-230.5	-0.00045 mg/L	0.000019	-0.00045 mg/L	0.000019	4.17%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated						
Molybdenum,7439-98-7†	-1.2	-0.00030 mg/L	0.000676	-0.00030 mg/L	0.000676	226.57%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated						
Nickel,7440-02-0†	-3.3	-0.00012 mg/L	0.000203	-0.00012 mg/L	0.000203	169.15%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated						
Potassium,7440-09-7†	201.5	0.06023 mg/L	0.009735	0.06023 mg/L	0.009735	16.16%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated						
Selenium,7782-49-2†	-7.2	-0.01629 mg/L	0.008742	-0.01629 mg/L	0.008742	53.66%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated						
Silicon,7440-21-3†	10.8	0.00231 mg/L	0.001744	0.00231 mg/L	0.001744	75.64%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated						
Silver,7440-22-4†	-3.8	-0.00002 mg/L	0.000430	-0.00002 mg/L	0.000430	>999.9%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated						
Sodium,7440-23-5†	-3070.4	-0.61368 mg/L	0.010391	-0.61368 mg/L	0.010391	1.69%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated						
Strontium,7440-24-6†	17.7	0.00003 mg/L	0.000099	0.00003 mg/L	0.000099	308.76%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated						
Thallium,7440-28-0†	2.2	0.00376 mg/L	0.008330	0.00376 mg/L	0.008330	221.43%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated						
Tin,7440-31-5†	-8.9	-0.00724 mg/L	0.003279	-0.00724 mg/L	0.003279	45.27%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6†	358.8	0.00057 mg/L	0.000193	0.00057 mg/L	0.000193	33.74%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2†	-19.5	-0.00024 mg/L	0.000886	-0.00024 mg/L	0.000886	363.43%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6†	-23.9	-0.00105 mg/L	0.000218	-0.00105 mg/L	0.000218	20.90%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7†	192.5	0.00039 mg/L	0.000094	0.00039 mg/L	0.000094	24.02%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 60 **Autosampler Location: 57**
Sample ID: 612551 **Date Collected: 6/10/2008 5:16:27 PM**
Analyst: **Data Type: Reprocessed on 6/11/2008 9:53:10 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 612551

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3642212.9	104.321	%	0.2129				0.20%
Yttrium,7440-65-5A	2042426.5	104.332	%	0.1764				0.17%
Yttrium,7440-65-5R	251548.1	107.221	%	0.5872				0.55%
Ar 420.067 R	2148758.0	103.620	%	0.1632				0.16%
Ar 363.268 A	43123.0	99.2050	%	0.01030				0.01%
Aluminum,7429-90-5†	-12.7	-0.00735	mg/L	0.005338	-0.00735	mg/L	0.005338	72.58%
Antimony,7440-36-0†	-4.8	-0.01114	mg/L	0.018850	-0.01114	mg/L	0.018850	169.23%
Arsenic,7440-38-2†	0.3	0.00108	mg/L	0.003632	0.00108	mg/L	0.003632	337.27%
Barium,7440-39-3†	4.8	0.00007	mg/L	0.000129	0.00007	mg/L	0.000129	174.95%
Beryllium,7440-41-7†	-83.2	-0.00002	mg/L	0.000039	-0.00002	mg/L	0.000039	200.37%
Boron,7440-42-8†	-1290.8	-0.02288	mg/L	0.000757	-0.02288	mg/L	0.000757	3.31%
Cadmium,7440-43-9†	-1.5	-0.00004	mg/L	0.000328	-0.00004	mg/L	0.000328	834.15%
Calcium,7440-70-2†	77.8	0.00638	mg/L	0.002502	0.00638	mg/L	0.002502	39.23%
Chromium,7440-47-3†	-129.4	-0.00163	mg/L	0.000400	-0.00163	mg/L	0.000400	24.59%
Cobalt,7440-48-4†	-3.1	-0.00019	mg/L	0.000348	-0.00019	mg/L	0.000348	185.55%

171461

MERCURY

SnCl2 ID 172-41-3
NaCl2/(NH2OH)2 172-41-6
INSTRUMENT FIMS

ANALYST DJH
DATE 06/06/2008
TIME 12:56

r = 0.999925

AS LOC	HSN / CLIENT	SAMPLE ID	DILUTION	MATRIX	RECOVERY
9	ICV-1600				101
1	ICB-1700				
5	CCV-1800				102
1	CCB-1900				
17		~~20806021401~~ RR		Water	
18	610600	~~20806021401 DUP~~ RR		"	
19	611750	MB for HBN 375073 W		Water	
20	611751	LCS for HBN 375073 W		Water	95
21	--- 0267 ---	20806054301		Water	
22	611752	20806054301 DUP		Water	
23	611753	20806054301 MS		Water	89
24	612037	20806054301 SD	5 X	Water	
25	611514 "	20806052212 EQBLK		Water	
26	"	20806052213 FLDBLK		Water	
5	CCV-1800				102/104
1	CCB-1900				
27	610598	MB for HBN 374723 W		Water	
28	610599	LCS for HBN 374723 W			95
29	---0176---	20806021401			
30	610600	20806021401 DUP			
31	610601	20806021401 MS			98
32	611701	20806021401 SD	5 X		
33					
34					
35					
36					
5	CCV-1800				102
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:
3915, 375125

Calibration ID: 20805300
HG STD ID: 173-80-7
HG ICV ID: 173-80-8

ANALYST QC REV: DJH
SECONDARY REV: NMD

Go to page 2

171462

==========

Analysis Begun

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

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID: HG,DJH,3907
Results Data Set: 2080606 W
Results Library: C:\data-AA\met\Results\Results.mdb

==========

Method Loaded
Method Name: Mercury **Method Last Saved: 5/24/2008 12:32:13 AM**
Method Description: Mercury

==========

Sequence No.: 1 **Autosampler Location: 1**
Sample ID: Calibration Blank **Date Collected: 6/6/2008 12:56:42 PM**
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	0.000	12:57:30	Yes
2		[0.00]	0.002	0.002	0.000	12:57:58	Yes
Mean:		[0.00]	0.002				
SD:		0.00	0.0011				
%RSD:		0.00	46.45				

Auto-zero performed.

==========

Sequence No.: 2 **Autosampler Location: 2**
Sample ID: STD 1 **Date Collected: 6/6/2008 12:58:17 PM**
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		[0.2]	0.008	0.010	0.002	12:59:07	Yes
2		[0.2]	0.008	0.011	0.002	12:59:35	Yes
Mean:		[0.2]	0.008				
SD:		0.0	0.0004				
%RSD:		0.0	4.57				

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.03982 Intercept: 0.00000

==========

Sequence No.: 3 **Autosampler Location: 3**
Sample ID: STD 2 **Date Collected: 6/6/2008 12:59:55 PM**
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]	0.020	0.022	0.004	13:00:44	Yes
2		[0.5]	0.021	0.023	0.004	13:01:13	Yes
Mean:		[0.5]	0.020				
SD:		0.0	0.0007				
%RSD:		0.0	3.56				

Standard number 2 applied. [0.5]

171463

Correlation Coef.: 0.999988 Slope: 0.04027 Intercept: -0.00003

Sequence No.: 4 **Autosampler Location: 4**
Sample ID: STD 3 **Date Collected: 6/6/2008 1:01:34 PM**
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]	0.086	0.088	0.016	13:02:24	Yes
2		[2.0]	0.085	0.088	0.016	13:02:52	Yes
Mean:		[2.0]	0.086				
SD:		0.0	0.0005				
%RSD:		0.0	0.55				

Standard number 3 applied. [2.0]
Correlation Coef.: 0.999893 Slope: 0.04296 Intercept: -0.00060

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: STD 4 **Date Collected: 6/6/2008 1:03:12 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

RR DJH 6/6/08

Replicate Data: STD 4

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[5.0]	0.202	0.204	0.039	13:04:03	Yes
2		[5.0]	0.201	0.203	0.038	13:04:31	Yes
Mean:		[5.0]	0.201				
SD:		0.0	0.0005				
%RSD:		0.0	0.23				

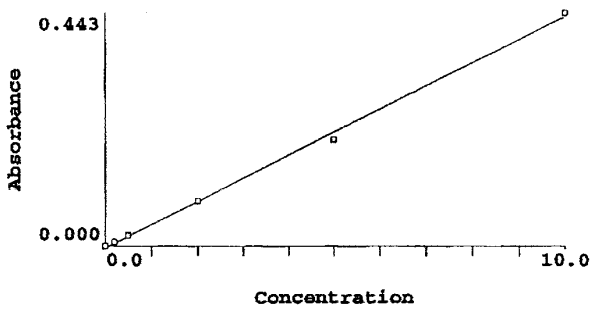
Standard number 4 applied. [5.0]
Correlation Coef.: 0.999645 Slope: 0.04038 Intercept: 0.00078

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: STD 5 **Date Collected: 6/6/2008 1:04:52 PM**
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]	0.442	0.445	0.082	13:05:43	Yes
2		[10.0]	0.444	0.446	0.084	13:06:12	Yes
Mean:		[10.0]	0.443				
SD:		0.0	0.0011				
%RSD:		0.0	0.24				

Standard number 5 applied. [10.0]
Correlation Coef.: 0.999000 Slope: 0.04388 Intercept: -0.00318
Correlation Coefficient is less than 0.999500. Analysis will continue with next sample.



171464

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	0.072409	0.00	46.5
STD 1	0.0080	0.2	0.253892	0.00	4.6
STD 2	0.0201	0.5	0.530962	0.00	3.6
STD 3	0.0855	2.0	2.021151	0.00	0.5
STD 4	0.2012	5.0	4.656883	0.00	0.2
STD 5	0.4429	10.0	10.164702	0.00	0.2

Correlation Coef.: 0.999000 Slope: 0.04388 Intercept: -0.00318

171465

Analysis Begun

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

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID: HG,DJH,3907
Results Data Set: 2080606 W
Results Library: C:\data-AA\met\Results\Results.mdb

Sequence No.: 1
Autosampler Location: 5
Sample ID: STD 4
Date Collected: 6/6/2008 1:07:42 PM
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]	0.227	0.230	0.044	13:08:32	Yes
2		[5.0]	0.223	0.225	0.044	13:09:01	Yes
Mean:		[5.0]	0.225				
SD:		0.0	0.0033				
%RSD:		0.0	1.45				

Standard number 4 applied. [5.0]
Correlation Coef.: 0.999925 Slope: 0.04452 Intercept: -0.00107

171466

Analysis Begun

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

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID: HG,DJH,3907
Results Data Set: 2080606 W
Results Library: C:\data-AA\met\Results\Results.mdb

Sequence No.: 1
Autosampler Location: 9
Sample ID: 1600
Date Collected: 6/6/2008 1:09:24 PM
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	0.005072	5.0716	0.225	0.227	0.044	13:10:13	Yes
2	0.005032	5.0323	0.223	0.225	0.043	13:10:42	Yes
Mean:	0.005052	5.0520	0.224				
SD:	0.000028	0.027807	0.0012				
%RSD:	0.55041	0.55041	0.55				

QC value within limits for Hg 253.7 Recovery = 101.04%
All analyte(s) passed QC.

Sequence No.: 2
Autosampler Location: 1
Sample ID: 1700
Date Collected: 6/6/2008 1:11:01 PM
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	-0.000030	-0.030400	-0.002	-0.000	0.000	13:11:49	Yes
2	-0.000029	-0.028966	-0.002	0.000	0.000	13:12:18	Yes
Mean:	-0.000030	-0.029683	-0.002				
SD:	0.000001	0.001014	0.0000				
%RSD:	3.4152	3.4152	1.89				

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: 6/6/2008 1:12:37 PM
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	0.005095	5.0953	0.226	0.228	0.044	13:13:28	Yes
2	0.005073	5.0729	0.225	0.227	0.044	13:13:56	Yes
Mean:	0.005084	5.0841	0.225				
SD:	0.000016	0.015816	0.0007				
%RSD:	0.31109	0.31109	0.31				

QC value within limits for Hg 253.7 Recovery = 101.68%
All analyte(s) passed QC.

Sequence No.: 4
Autosampler Location: 1

171467

Sample ID: 1900
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 6/6/2008 1:14:17 PM
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	-0.000039	-0.039020	-0.003	-0.000	0.000	13:15:06	Yes
2	-0.000010	-0.010141	-0.002	0.001	0.000	13:15:35	Yes
Mean:	-0.000025	-0.024581	-0.002				
SD:	0.000020	0.020421	0.0009				
%RSD:	83.076	83.076	42.10				

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

Sequence No.: 5
Sample ID: 20806021401
Analyst:
Initial Sample Wt:
Dilution: 1X

RR DJH 6/6/08

Autosampler Location: 17
Date Collected: 6/6/2008 1:15:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20806021401

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000217	0.21674	0.009	0.011	0.002	13:16:42	Yes
2	0.000198	0.19807	0.008	0.010	0.002	13:17:11	Yes
Mean:	0.000207	0.20741	0.008				
SD:	0.000013	0.013198	0.0006				
%RSD:	6.3635	6.3635	7.19				

Sequence No.: 6
Sample ID: 610600
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 18
Date Collected: 6/6/2008 1:17:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 610600

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000150	0.14980	0.006	0.008	0.002	13:18:17	Yes
2	0.000160	0.15952	0.006	0.008	0.002	13:18:46	Yes
Mean:	0.000155	0.15466	0.006				
SD:	0.000007	0.006874	0.0003				
%RSD:	4.4445	4.4445	5.26				

Sequence No.: 7
Sample ID: 611750
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 19
Date Collected: 6/6/2008 1:19:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 611750

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000041	0.040669	0.001	0.003	0.001	13:19:53	Yes
2	0.000039	0.039228	0.001	0.003	0.001	13:20:21	Yes
Mean:	0.000040	0.039948	0.001				
SD:	0.000001	0.001020	0.0000				
%RSD:	2.5521	2.5521	6.36				

Sequence No.: 8
Sample ID: 611751

Autosampler Location: 20
Date Collected: 6/6/2008 1:20:41 PM

171468

Analyst:
Initial Sample Wt:
Dilution: 1X

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 611751

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004724	4.7236	0.209	0.212	0.041	13:21:30	Yes
2	0.004744	4.7437	0.210	0.213	0.042	13:21:59	Yes
Mean:	0.004734	4.7336	0.210				
SD:	0.000014	0.014180	0.0006				
%RSD:	0.29955	0.29955	0.30				

Sequence No.: 9
Sample ID: 20806054301
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 21
Date Collected: 6/6/2008 1:22:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20806054301

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000029	0.029127	0.000	0.003	0.001	13:23:07	Yes
2	0.000052	0.051739	0.001	0.004	0.001	13:23:36	Yes
Mean:	0.000040	0.040433	0.001				
SD:	0.000016	0.015989	0.0007				
%RSD:	39.545	39.545	96.85				

Sequence No.: 10
Sample ID: 611752
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 22
Date Collected: 6/6/2008 1:23:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 611752

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000011	0.010603	-0.001	0.002	0.000	13:24:45	Yes
2	0.000047	0.046670	0.001	0.003	0.001	13:25:14	Yes
Mean:	0.000029	0.028636	0.000				
SD:	0.000026	0.025503	0.0011				
%RSD:	89.059	89.059	541.20				

Sequence No.: 11
Sample ID: 611753
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 23
Date Collected: 6/6/2008 1:25:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 611753

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004445	4.4449	0.197	0.199	0.036	13:26:22	Yes
2	0.004410	4.4104	0.195	0.198	0.036	13:26:51	Yes
Mean:	0.004428	4.4277	0.196				
SD:	0.000024	0.024370	0.0011				
%RSD:	0.55041	0.55041	0.55				

Sequence No.: 12
Sample ID: 612037
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 24
Date Collected: 6/6/2008 1:27:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 612037

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000333	-0.066598	-0.004	-0.002	0.000	13:28:02	Yes
2	-0.000136	-0.027212	-0.002	0.000	0.000	13:28:30	Yes
Mean:	-0.000235	-0.046905	-0.003				
SD:	0.000139	0.027850	0.0012				
%RSD:	59.376	59.376	39.32				

Sequence No.: 13
Sample ID: 20806052212
Analyst:
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 25
Date Collected: 6/6/2008 1:28:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20806052212

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000011	0.011288	-0.001	0.002	0.000	13:29:41	Yes
2	0.000041	0.040923	0.001	0.003	0.001	13:30:09	Yes
Mean:	0.000026	0.026105	0.000				
SD:	0.000021	0.020955	0.0009				
%RSD:	80.271	80.271	960.77				

Sequence No.: 14
Sample ID: 20806052213
Analyst:
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 26
Date Collected: 6/6/2008 1:30:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20806052213

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000022	0.022383	-0.000	0.002	0.001	13:31:20	Yes
2	0.000017	0.016772	-0.000	0.002	0.001	13:31:49	Yes
Mean:	0.000020	0.019577	-0.000				
SD:	0.000004	0.003968	0.0002				
%RSD:	20.266	20.266	91.27				

Sequence No.: 15
Sample ID: 1800
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 6/6/2008 1:32:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005112	5.1118	0.227	0.229	0.044	13:33:00	Yes
2	0.005081	5.0807	0.225	0.228	0.044	13:33:28	Yes
Mean:	0.005096	5.0963	0.226				
SD:	0.000022	0.021998	0.0010				
%RSD:	0.43165	0.43165	0.43				

QC value within limits for Hg 253.7 Recovery = 101.93%
All analyte(s) passed QC.

Sequence No.: 16
Sample ID: 1900
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 6/6/2008 1:33:49 PM
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	-0.000030	-0.029984	-0.002	0.000	0.000	13:34:38	Yes
2	-0.000029	-0.029151	-0.002	0.000	0.000	13:35:07	Yes
Mean:	-0.000030	-0.029567	-0.002				
SD:	0.000001	0.000589	0.0000				
%RSD:	1.9907	1.9907	1.10				

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

171471

==========

Analysis Begun

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

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID: HG,DJH,3907
Results Data Set: 2080606 W
Results Library: C:\data-AA\met\Results\Results.mdb

==========

Method Loaded
Method Name: Mercury
Method Last Saved: 5/24/2008 12:32:13 AM
Method Description: Mercury

==========

Sequence No.: 1
Autosampler Location: 5
Sample ID: 1800
Date Collected: 6/6/2008 1:54:20 PM
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	0.005205	5.2051	0.231	0.233	0.045	13:55:10	Yes
2	0.005238	5.2377	0.232	0.235	0.045	13:55:39	Yes
Mean:	0.005221	5.2214	0.231				
SD:	0.000023	0.023006	0.0010				
%RSD:	0.44062	0.44062	0.44				

QC value within limits for Hg 253.7 Recovery = 104.43%
All analyte(s) passed QC.

==========

Sequence No.: 2
Autosampler Location: 1
Sample ID: 1900
Date Collected: 6/6/2008 1:56:00 PM
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	-0.000035	-0.034546	-0.003	-0.000	0.000	13:56:48	Yes
2	-0.000017	-0.017396	-0.002	0.001	0.000	13:57:17	Yes
Mean:	-0.000026	-0.025971	-0.002				
SD:	0.000012	0.012127	0.0005				
%RSD:	46.694	46.694	24.30				

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

==========

Sequence No.: 3
Autosampler Location: 27
Sample ID: 610598
Date Collected: 6/6/2008 1:57:35 PM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution: 1X
Sample Prep Vol:

DJH 6/6/08

Replicate Data: 610598

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000210	0.21007	0.008	0.011	0.002	13:58:26	Yes

User canceled analysis.

==========

Analysis Begun

171472

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

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID: HG,DJH,3907
Results Data Set: 2080606 W
Results Library: C:\data-AA\met\Results\Results.mdb

Sequence No.: 3
Sample ID: 610598
Analyst:
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 27
Date Collected: 6/6/2008 1:59:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 610598

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000055	0.054939	0.001	0.004	0.001	14:00:10	Yes
2	0.000035	0.035388	0.001	0.003	0.001	14:00:38	Yes
Mean:	0.000045	0.045163	0.001				
SD:	0.000014	0.013825	0.0006				
%RSD:	30.610	30.610	65.09				

Sequence No.: 4
Sample ID: 610599
Analyst:
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 28
Date Collected: 6/6/2008 2:00:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 610599

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004765	4.7652	0.211	0.213	0.042	14:01:50	Yes
2	0.004754	4.7543	0.211	0.213	0.042	14:02:19	Yes
Mean:	0.004760	4.7598	0.211				
SD:	0.000008	0.007758	0.0003				
%RSD:	0.16299	0.16299	0.16				

Sequence No.: 5
Sample ID: 20806021401
Analyst:
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 29
Date Collected: 6/6/2008 2:02:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20806021401

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000175	0.17450	0.007	0.009	0.002	14:03:31	Yes
2	0.000184	0.18431	0.007	0.010	0.002	14:03:59	Yes
Mean:	0.000179	0.17941	0.007				
SD:	0.000007	0.006930	0.0003				
%RSD:	3.8627	3.8627	4.46				

Sequence No.: 6
Sample ID: 610600
Analyst:
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 30
Date Collected: 6/6/2008 2:04:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 610600

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

171473

1	0.000198	0.19787	0.008	0.010	0.002	14:05:12	Yes
2	0.000186	0.18636	0.007	0.010	0.002	14:05:41	Yes
Mean:	0.000192	0.19211	0.007				
SD:	0.000008	0.008145	0.0004				
%RSD:	4.2394	4.2394	4.84				

Sequence No.: 7 **Autosampler Location: 31**
Sample ID: 610601 **Date Collected: 6/6/2008 2:06:02 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Replicate Data: 610601

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005022	5.0223	0.223	0.225	0.044	14:06:54	Yes
2	0.005002	5.0022	0.222	0.224	0.044	14:07:22	Yes
Mean:	0.005012	5.0122	0.222				
SD:	0.000014	0.014201	0.0006				
%RSD:	0.28333	0.28333	0.28				

Sequence No.: 8 **Autosampler Location: 32**
Sample ID: 611701 **Date Collected: 6/6/2008 2:07:44 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Replicate Data: 611701

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000016	0.003168	-0.001	0.001	0.000	14:08:32	Yes
2	0.000159	0.031879	0.000	0.003	0.000	14:09:01	Yes
Mean:	0.000088	0.017523	-0.000				
SD:	0.000102	0.020301	0.0009				
%RSD:	115.85	115.85	317.17				

Sequence No.: 9 **Autosampler Location: 5**
Sample ID: 1800 **Date Collected: 6/6/2008 2:09:18 PM**
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	0.005099	5.0987	0.226	0.228	0.044	14:10:09	Yes
2	0.005069	5.0691	0.225	0.227	0.044	14:10:38	Yes
Mean:	0.005084	5.0839	0.225				
SD:	0.000021	0.020904	0.0009				
%RSD:	0.41117	0.41117	0.41				

QC value within limits for Hg 253.7 Recovery = 101.68%
All analyte(s) passed QC.

Sequence No.: 10 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 6/6/2008 2:10:59 PM**
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	-0.000019	-0.018840	-0.002	0.001	0.000	14:11:47	Yes

171474

2	-0.000024	-0.024081	-0.002	0.000	0.000	14:12:16	Yes
Mean:	-0.000021	-0.021460	-0.002				
SD:	0.000004	0.003706	0.0002				
%RSD:	17.271	17.271	8.17				

QC value within limits for Hg 253.7 Recovery = Not calculated

All analyte(s) passed QC.

171475

MERCURY

SnCl2 ID 172-41-7
NaCl2/(NH2OH)2 172-41-6
INSTRUMENT FIMS

ANALYST DJH
DATE 6/9/2008
TIME 1131

r = 0.999922

AS LOC	HSN / CLIENT	SAMPLE ID	DILUTION	MATRIX	RECOVERY
9	ICV-1600				102
1	ICB-1700				
5	CCV-1800				99
1	CCB-1900				
17	611228	MB for HBN 374991 S		Solid	
18	611229	LCS for HBN 374991 S		Solid	110
19	--- 4206 ---	20806047501		Solid	
20	611230	20806047501 DUP		Solid	
21	611231	20806047501 MS		Solid	97
22	612515	20806047501 SD	5 X		
23	611127	MB for HBN 374829 S		Solid	
24	611128	LCS for HBN 374829 S		Solid	113
25	611163	LCSD for HBN 374829 S		Solid	116
26		20806042501		Solid	
5	CCV-1800				103
1	CCB-1900				
27	611405	MB for HBN 375015 S		Solid	
28	611406	LCS for HBN 375015 S		Solid	116
29	--- 4569 --- R	~~20806050101~~ RR		Solid	
30	611407 R	~~20806050101 DUP~~ RR		Solid	
31	611408 R	20806050101 MS		Solid	120
32	612516 R	20806050101 SD	5 X		
33	R	20806050102		Solid	
34	R	~~20806050103~~ RR		Solid	
35	R	20806050104		Solid	
36	R	20806050105		Solid	
5	CCV-1800				104
1	CCB-1900				
37	R	~~20806050106~~ RR		Solid	
38	R	20806050107		Solid	
39	R	~~20806050108~~ RR		Solid	
40	R	20806050109		Solid	
41	R	20806050110		Solid	
42	611569	MB for HBN 375044 S		Solid	
43	611570	LCS for HBN 375044 S		Solid	113
44	--- 4482 --- N	20806052205		Solid	
45	N	20806052206 MS		Solid	120
46	N	20806052207 MSD		Solid	116
5	CCV-1800				104
1	CCB-1900				
47	612517 N	20806052205 SD	5 X		
48	N	20806052208		Solid	
49	N	20806052209		Solid	
50	N	20806052210		Solid	
51	N	20806052211		Solid	
52	~~612366~~	~~MB for HBN 375162 S~~ RR		Solid	
53	612367	LCS for HBN 375162 S		Solid	120
54	--- 4584 ---	20806072301		Solid	
55	612368	20806072301 DUP RPA		Solid	
56	612369	20806072301 MS		Solid	110
5	CCV-1800				104
1	CCB-1900				

CONTROL LIMITS

ICV : 90-110%
CCV: 80-120%

COMMENTS:
3916, 375213

Calibration ID: 20806065
HG STD ID: 173-86-1
HG ICV ID: 173-86-2

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, S/N B050-9560
Autosampler Model: AS-90

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID:
Results Data Set: 2080609 S
Results Library: C:\data-AA\met\Results\Results.mdb

Method Loaded
Method Name: Mercury
Method Last Saved: 6/9/2008 10:58:35 AM
Method Description: Mercury

Sequence No.: 1
Autosampler Location: 1
Sample ID: Calibration Blank
Date Collected: 6/9/2008 11:30:58 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	0.001	11:31:46	Yes
2		[0.00]	0.005	0.005	0.001	11:32:15	Yes
Mean:		[0.00]	0.003				
SD:		0.00	0.0018				
%RSD:		0.00	55.89				

Auto-zero performed.

Sequence No.: 2
Autosampler Location: 2
Sample ID: STD 1
Date Collected: 6/9/2008 11:32:33 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		[0.2]	0.011	0.015	0.003	11:33:22	Yes
2		[0.2]	0.011	0.014	0.003	11:33:51	Yes
Mean:		[0.2]	0.011				
SD:		0.0	0.0002				
%RSD:		0.0	1.57				

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.05585 Intercept: 0.00000

Sequence No.: 3
Autosampler Location: 3
Sample ID: STD 2
Date Collected: 6/9/2008 11:34:11 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]	0.019	0.022	0.004	11:35:00	Yes
2		[0.5]	0.019	0.022	0.004	11:35:29	Yes
Mean:		[0.5]	0.019				
SD:		0.0	0.0003				
%RSD:		0.0	1.80				

Standard number 2 applied. [0.5]

171477

Correlation Coef.: 0.975265 Slope: 0.03666 Intercept: 0.00144

Sequence No.: 4 **Autosampler Location: 4**
Sample ID: STD 3 **Date Collected: 6/9/2008 11:35:49 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]	0.078	0.081	0.015	11:36:39	Yes
2		[2.0]	0.078	0.081	0.015	11:37:08	Yes
Mean:		[2.0]	0.078				
SD:		0.0	0.0002				
%RSD:		0.0	0.20				

Standard number 3 applied. [2.0]
Correlation Coef.: 0.998745 Slope: 0.03836 Intercept: 0.00108

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: STD 4 **Date Collected: 6/9/2008 11:37:28 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]	0.188	0.191	0.034	11:38:19	Yes
2		[5.0]	0.190	0.193	0.035	11:38:47	Yes
Mean:		[5.0]	0.189				
SD:		0.0	0.0011				
%RSD:		0.0	0.59				

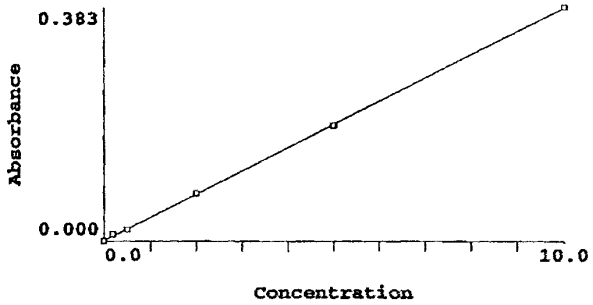
Standard number 4 applied. [5.0]
Correlation Coef.: 0.999778 Slope: 0.03757 Intercept: 0.00150

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: STD 5 **Date Collected: 6/9/2008 11:39:08 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]	0.383	0.386	0.068	11:39:59	Yes
2		[10.0]	0.383	0.386	0.069	11:40:28	Yes
Mean:		[10.0]	0.383				
SD:		0.0	0.0003				
%RSD:		0.0	0.07				

Standard number 5 applied. [10.0]
Correlation Coef.: 0.999922 Slope: 0.03810 Intercept: 0.00090



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	-0.023636	0.00	55.9
STD 1	0.0112	0.2	0.269498	0.00	1.6
STD 2	0.0188	0.5	0.470001	0.00	1.8
STD 3	0.0779	2.0	2.021407	0.00	0.2
STD 4	0.1889	5.0	4.933805	0.00	0.6
STD 5	0.3830	10.0	10.028926	0.00	0.1

Correlation Coef.: 0.999922 Slope: 0.03810 Intercept: 0.00090

Analysis Begun

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

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID:
Results Data Set: 2080609 S
Results Library: C:\data-AA\met\Results\Results.mdb

Sequence No.: 1
Autosampler Location: 9
Sample ID: 1600
Date Collected: 6/9/2008 11:41:31 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	0.005086	5.0865	0.195	0.198	0.035	11:42:19	Yes
2	0.005092	5.0920	0.195	0.198	0.035	11:42:48	Yes
Mean:	0.005089	5.0892	0.195				
SD:	0.000004	0.003911	0.0001				
%RSD:	0.076847	0.076847	0.08				

QC value within limits for Hg 253.7 Recovery = 101.78%
All analyte(s) passed QC.

Sequence No.: 2
Autosampler Location: 1
Sample ID: 1700
Date Collected: 6/9/2008 11:43:07 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	0.000030	0.030204	0.002	0.005	0.001	11:43:56	Yes
2	0.000000	0.000086	0.001	0.004	0.001	11:44:24	Yes
Mean:	0.000015	0.015145	0.001				
SD:	0.000021	0.021297	0.0008				
%RSD:	140.62	140.62	54.92				

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: 6/9/2008 11:44:43 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	0.004935	4.9349	0.189	0.192	0.034	11:45:34	Yes
2	0.004973	4.9733	0.190	0.194	0.035	11:46:03	Yes
Mean:	0.004954	4.9541	0.190				
SD:	0.000027	0.027154	0.0010				
%RSD:	0.54812	0.54812	0.55				

QC value within limits for Hg 253.7 Recovery = 99.08%
All analyte(s) passed QC.

Sequence No.: 4
Autosampler Location: 1

171480

Sample ID: 1900
Analyst:
Initial Sample Wt:
Dilution:
Date Collected: 6/9/2008 11:46:23 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	0.000067	0.066607	0.003	0.007	0.001	11:47:12	Yes
2	-0.000005	-0.005161	0.001	0.004	0.001	11:47:40	Yes
Mean:	0.000031	0.030723	0.002				
SD:	0.000051	0.050748	0.0019				
%RSD:	165.18	165.18	93.36				

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

Sequence No.: 5
Sample ID: 611228
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X
Autosampler Location: 17
Date Collected: 6/9/2008 11:47:59 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 611228

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.004066	-0.081314	-0.002	0.001	0.000	11:48:47	Yes
2	-0.003801	-0.076025	-0.002	0.001	0.000	11:49:16	Yes
Mean:	-0.003933	-0.078669	-0.002				
SD:	0.000187	0.003740	0.0001				
%RSD:	4.7540	4.7540	6.80				

Sequence No.: 6
Sample ID: 611229
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X
Autosampler Location: 18
Date Collected: 6/9/2008 11:49:34 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 611229

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.27420	5.4839	0.210	0.213	0.038	11:50:23	Yes
2	0.27595	5.5190	0.211	0.214	0.038	11:50:51	Yes
Mean:	0.27507	5.5015	0.211				
SD:	0.001239	0.024777	0.0009				
%RSD:	0.45037	0.45037	0.45				

Sequence No.: 7
Sample ID: 20806047501
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X
Autosampler Location: 19
Date Collected: 6/9/2008 11:51:10 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806047501

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.023463	0.46925	0.019	0.022	0.004	11:51:59	Yes
2	0.020822	0.41644	0.017	0.020	0.004	11:52:27	Yes
Mean:	0.022142	0.44285	0.018				
SD:	0.001867	0.037341	0.0014				
%RSD:	8.4319	8.4319	8.00				

Sequence No.: 8
Sample ID: 611230
Autosampler Location: 20
Date Collected: 6/9/2008 11:52:47 AM

Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 611230

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.023325	0.46651	0.019	0.022	0.004	11:53:36	Yes
2	0.020957	0.41914	0.017	0.020	0.003	11:54:04	Yes
Mean:	0.022141	0.44282	0.018				
SD:	0.001675	0.033495	0.0013				
%RSD:	7.5640	7.5640	7.18				

Sequence No.: 9
Sample ID: 611231
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 21
Date Collected: 6/9/2008 11:54:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 611231

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.26733	5.3466	0.205	0.208	0.037	11:55:12	Yes
2	0.26428	5.2855	0.202	0.206	0.037	11:55:41	Yes
Mean:	0.26580	5.3161	0.203				
SD:	0.002159	0.043173	0.0016				
%RSD:	0.81212	0.81212	0.81				

Sequence No.: 10
Sample ID: 612515
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 5X

Autosampler Location: 22
Date Collected: 6/9/2008 11:56:01 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 612515

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000668	-0.002671	0.001	0.004	0.001	11:56:50	Yes
2	-0.009685	-0.038741	-0.001	0.003	0.001	11:57:19	Yes
Mean:	-0.005177	-0.020706	0.000				
SD:	0.006376	0.025505	0.0010				
%RSD:	123.18	123.18	870.44				

Sequence No.: 11
Sample ID: 611127
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 23
Date Collected: 6/9/2008 11:57:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 611127

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005730	0.11461	0.005	0.009	0.002	11:58:28	Yes
2	0.004628	0.092550	0.004	0.008	0.001	11:58:56	Yes
Mean:	0.005179	0.10358	0.005				
SD:	0.000780	0.015597	0.0006				
%RSD:	15.058	15.058	12.26				

Sequence No.: 12
Sample ID: 611128
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 24
Date Collected: 6/9/2008 11:59:16 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

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Replicate Data: 611128

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.28143	5.6287	0.215	0.219	0.039	12:00:06	Yes
2	0.28420	5.6839	0.217	0.221	0.039	12:00:35	Yes
Mean:	0.28281	5.6563	0.216				
SD:	0.001955	0.039093	0.0015				
%RSD:	0.69113	0.69113	0.69				

Sequence No.: 13
Sample ID: 611163
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 25
Date Collected: 6/9/2008 12:00:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 611163

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.28804	5.7607	0.220	0.224	0.039	12:01:45	Yes
2	0.29378	5.8756	0.225	0.228	0.040	12:02:14	Yes
Mean:	0.29091	5.8182	0.223				
SD:	0.004059	0.081180	0.0031				
%RSD:	1.3953	1.3953	1.39				

Sequence No.: 14
Sample ID: 20806042501
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 26
Date Collected: 6/9/2008 12:02:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806042501

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.002588	0.051765	0.003	0.006	0.001	12:03:24	Yes
2	0.003774	0.075481	0.004	0.007	0.001	12:03:53	Yes
Mean:	0.003181	0.063623	0.003				
SD:	0.000838	0.016770	0.0006				
%RSD:	26.358	26.358	19.22				

Sequence No.: 15
Sample ID: 1800
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/9/2008 12:04:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005142	5.1423	0.197	0.200	0.034	12:05:03	Yes
2	0.005161	5.1612	0.198	0.201	0.034	12:05:32	Yes
Mean:	0.005152	5.1518	0.197				
SD:	0.000013	0.013321	0.0005				
%RSD:	0.25858	0.25858	0.26				

QC value within limits for Hg 253.7 Recovery = 103.04%
All analyte(s) passed QC.

Sequence No.: 16
Sample ID: 1900
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 6/9/2008 12:05:52 PM
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	-0.000024	-0.024167	-0.000	0.003	0.001	12:06:41	Yes
2	-0.000010	-0.009832	0.001	0.004	0.001	12:07:10	Yes
Mean:	-0.000017	-0.016999	0.000				
SD:	0.000010	0.010136	0.0004				
%RSD:	59.625	59.625	152.72				

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

Sequence No.: 17
Sample ID: 611405
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 27
Date Collected: 6/9/2008 12:07:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 611405

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.002783	0.055665	0.003	0.006	0.001	12:08:19	Yes
2	0.002746	0.054911	0.003	0.006	0.001	12:08:48	Yes
Mean:	0.002764	0.055288	0.003				
SD:	0.000027	0.000533	0.0000				
%RSD:	0.96416	0.96416	0.68				

Sequence No.: 18
Sample ID: 611406
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 28
Date Collected: 6/9/2008 12:09:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 611406

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.29047	5.8095	0.222	0.226	0.038	12:10:00	Yes
2	0.29148	5.8296	0.223	0.226	0.038	12:10:28	Yes
Mean:	0.29098	5.8195	0.223				
SD:	0.000710	0.014210	0.0005				
%RSD:	0.24417	0.24417	0.24				

Sequence No.: 19
Sample ID: 20806050101
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 29
Date Collected: 6/9/2008 12:10:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

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Replicate Data: 20806050101

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.010542	0.21084	0.009	0.012	0.002	12:11:41	Yes
2	0.010572	0.21143	0.009	0.012	0.002	12:12:09	Yes
Mean:	0.010557	0.21113	0.009				
SD:	0.000021	0.000420	0.0000				
%RSD:	0.19893	0.19893	0.18				

Sequence No.: 20
Sample ID: 611407
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 30
Date Collected: 6/9/2008 12:12:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 611407

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.009976	0.19951	0.009	0.012	0.002	12:13:22	Yes
2	0.010201	0.20403	0.009	0.012	0.002	12:13:51	Yes
Mean:	0.010088	0.20177	0.009				
SD:	0.000160	0.003191	0.0001				
%RSD:	1.5813	1.5813	1.42				

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Sequence No.: 21
Sample ID: 611408
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X
Autosampler Location: 31
Date Collected: 6/9/2008 12:14:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 611408

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.30828	6.1656	0.236	0.239	0.040	12:15:04	Yes
2	0.30910	6.1819	0.236	0.240	0.040	12:15:33	Yes
Mean:	0.30869	6.1738	0.236				
SD:	0.000578	0.011563	0.0004				
%RSD:	0.18730	0.18730	0.19				

Sequence No.: 22
Sample ID: 612516
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 5X
Autosampler Location: 32
Date Collected: 6/9/2008 12:15:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 612516

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.013924	-0.055697	-0.001	0.002	0.000	12:16:42	Yes
2	-0.020065	-0.080259	-0.002	0.001	0.000	12:17:11	Yes
Mean:	-0.016995	-0.067978	-0.002				
SD:	0.004342	0.017368	0.0007				
%RSD:	25.549	25.549	39.17				

Sequence No.: 23
Sample ID: 20806050102
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X
Autosampler Location: 33
Date Collected: 6/9/2008 12:17:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806050102

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.014912	0.30322	0.012	0.016	0.003	12:18:17	Yes
2	0.014362	0.29203	0.012	0.015	0.003	12:18:46	Yes
Mean:	0.014637	0.29762	0.012				
SD:	0.000389	0.007916	0.0003				
%RSD:	2.6596	2.6596	2.46				

Sequence No.: 24
Sample ID: 20806050103
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X
Autosampler Location: 34
Date Collected: 6/9/2008 12:19:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

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Replicate Data: 20806050103

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

171485

1	0.005030	0.10060	0.005	0.008	0.002	12:19:52	Yes
2	0.010298	0.20596	0.009	0.012	0.002	12:20:21	Yes
Mean:	0.007664	0.15328	0.007				
SD:	0.003725	0.074501	0.0028				
%RSD:	48.603	48.603	42.11				

Sequence No.: 25 **Autosampler Location: 35**
Sample ID: 20806050104 **Date Collected: 6/9/2008 12:20:40 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: 0.6 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 30 mL**

Replicate Data: 20806050104

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.010888	0.21776	0.009	0.012	0.002	12:21:28	Yes
2	0.011743	0.23486	0.010	0.013	0.002	12:21:57	Yes
Mean:	0.011316	0.22631	0.010				
SD:	0.000605	0.012091	0.0005				
%RSD:	5.3426	5.3426	4.84				

Sequence No.: 26 **Autosampler Location: 36**
Sample ID: 20806050105 **Date Collected: 6/9/2008 12:22:16 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: 0.61 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 30 mL**

Replicate Data: 20806050105

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.011421	0.23222	0.010	0.013	0.002	12:23:05	Yes
2	0.011044	0.22456	0.009	0.013	0.002	12:23:33	Yes
Mean:	0.011232	0.22839	0.010				
SD:	0.000266	0.005418	0.0002				
%RSD:	2.3722	2.3722	2.15				

Sequence No.: 27 **Autosampler Location: 5**
Sample ID: 1800 **Date Collected: 6/9/2008 12:23:53 PM**
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	0.005238	5.2385	0.201	0.204	0.033	12:24:43	Yes
2	0.005185	5.1855	0.198	0.202	0.033	12:25:12	Yes
Mean:	0.005212	5.2120	0.199				
SD:	0.000037	0.037486	0.0014				
%RSD:	0.71923	0.71923	0.72				

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

Sequence No.: 28 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 6/9/2008 12:25:32 PM**
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	-0.000016	-0.015531	0.000	0.004	0.001	12:26:21	Yes

2	-0.000021	-0.021199	0.000	0.003	0.001	12:26:50	Yes
Mean:	-0.000018	-0.018365	0.000				
SD:	0.000004	0.004008	0.0002				
%RSD:	21.826	21.826	76.04				

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

Sequence No.: 29 — **Autosampler Location: 37**
Sample ID: 20806050106 — **Date Collected: 6/9/2008 12:27:09 PM**
Analyst: — **Data Type: Original**
Initial Sample Wt: 0.6 g — **Initial Sample Vol:**
Dilution: 1X — **Sample Prep Vol: 30 mL**

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Replicate Data: 20806050106

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.009864	0.19728	0.008	0.012	0.002	12:27:58	Yes
2	0.010376	0.20752	0.009	0.012	0.002	12:28:26	Yes
Mean:	0.010120	0.20240	0.009				
SD:	0.000362	0.007241	0.0003				
%RSD:	3.5774	3.5774	3.20				

Sequence No.: 30 — **Autosampler Location: 38**
Sample ID: 20806050107 — **Date Collected: 6/9/2008 12:28:46 PM**
Analyst: — **Data Type: Original**
Initial Sample Wt: 0.61 g — **Initial Sample Vol:**
Dilution: 1X — **Sample Prep Vol: 30 mL**

Replicate Data: 20806050107

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.013481	0.27411	0.011	0.015	0.002	12:29:35	Yes
2	0.010904	0.22171	0.009	0.013	0.002	12:30:04	Yes
Mean:	0.012192	0.24791	0.010				
SD:	0.001822	0.037049	0.0014				
%RSD:	14.945	14.945	13.64				

Sequence No.: 31 — **Autosampler Location: 39**
Sample ID: 20806050108 — **Date Collected: 6/9/2008 12:30:23 PM**
Analyst: — **Data Type: Original**
Initial Sample Wt: 0.6 g — **Initial Sample Vol:**
Dilution: 1X — **Sample Prep Vol: 30 mL**

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Replicate Data: 20806050108

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.011691	0.23382	0.010	0.013	0.002	12:31:12	Yes
2	0.007451	0.14903	0.007	0.010	0.002	12:31:41	Yes
Mean:	0.009571	0.19143	0.008				
SD:	0.002998	0.059957	0.0023				
%RSD:	31.321	31.321	27.88				

Sequence No.: 32 — **Autosampler Location: 40**
Sample ID: 20806050109 — **Date Collected: 6/9/2008 12:32:00 PM**
Analyst: — **Data Type: Original**
Initial Sample Wt: 0.61 g — **Initial Sample Vol:**
Dilution: 1X — **Sample Prep Vol: 30 mL**

Replicate Data: 20806050109

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.007953	0.16171	0.007	0.010	0.002	12:32:50	Yes
2	0.007708	0.15673	0.007	0.010	0.002	12:33:19	Yes

Mean:	0.007830	0.15922	0.007
SD:	0.000173	0.003524	0.0001
%RSD:	2.2136	2.2136	1.93

Sequence No.: 33 **Autosampler Location: 41**
Sample ID: 20806050110 **Date Collected: 6/9/2008 12:33:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: 0.6 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 30 mL**

Replicate Data: 20806050110

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.009701	0.19402	0.008	0.012	0.002	12:34:29	Yes
2	0.008246	0.16492	0.007	0.010	0.002	12:34:58	Yes
Mean:	0.008973	0.17947	0.008				
SD:	0.001029	0.020576	0.0008				
%RSD:	11.465	11.465	10.13				

Sequence No.: 34 **Autosampler Location: 42**
Sample ID: 611569 **Date Collected: 6/9/2008 12:35:19 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: 0.6 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 30 mL**

Replicate Data: 611569

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.001097	-0.021949	0.000	0.003	0.001	12:36:09	Yes
2	-0.000971	-0.019425	0.000	0.003	0.001	12:36:38	Yes
Mean:	-0.001034	-0.020687	0.000				
SD:	0.000089	0.001785	0.0001				
%RSD:	8.6276	8.6276	60.52				

Sequence No.: 35 **Autosampler Location: 43**
Sample ID: 611570 **Date Collected: 6/9/2008 12:36:58 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: 0.6 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 30 mL**

Replicate Data: 611570

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.28347	5.6693	0.217	0.220	0.035	12:37:49	Yes
2	0.28183	5.6366	0.216	0.219	0.035	12:38:17	Yes
Mean:	0.28265	5.6530	0.216				
SD:	0.001159	0.023184	0.0009				
%RSD:	0.41012	0.41012	0.41				

Sequence No.: 36 **Autosampler Location: 44**
Sample ID: 20806052205 **Date Collected: 6/9/2008 12:38:38 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: 0.6 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 30 mL**

Replicate Data: 20806052205

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.025199	0.50397	0.020	0.023	0.004	12:39:28	Yes
2	0.024109	0.48218	0.019	0.023	0.004	12:39:57	Yes
Mean:	0.024654	0.49308	0.020				
SD:	0.000771	0.015411	0.0006				
%RSD:	3.1255	3.1255	2.98				

Sequence No.: 37 Autosampler Location: 45
Sample ID: 20806052206 Date Collected: 6/9/2008 12:40:19 PM
Analyst: Data Type: Original
Initial Sample Wt: 0.6 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20806052206

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.32511	6.5021	0.249	0.252	0.040	12:41:10	Yes
2	0.32376	6.4751	0.248	0.251	0.040	12:41:38	Yes
Mean:	0.32443	6.4886	0.248				
SD:	0.000955	0.019099	0.0007				
%RSD:	0.29434	0.29434	0.29				

Sequence No.: 38 Autosampler Location: 46
Sample ID: 20806052207 Date Collected: 6/9/2008 12:41:59 PM
Analyst: Data Type: Original
Initial Sample Wt: 0.6 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20806052207

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.31589	6.3179	0.242	0.245	0.039	12:42:50	Yes
2	0.31194	6.2387	0.239	0.242	0.039	12:43:19	Yes
Mean:	0.31391	6.2783	0.240				
SD:	0.002798	0.055962	0.0021				
%RSD:	0.89135	0.89135	0.89				

Sequence No.: 39 Autosampler Location: 5
Sample ID: 1800 Date Collected: 6/9/2008 12:43:41 PM
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	0.005197	5.1972	0.199	0.202	0.033	12:44:31	Yes
2	0.005171	5.1707	0.198	0.201	0.033	12:45:00	Yes
Mean:	0.005184	5.1839	0.198				
SD:	0.000019	0.018780	0.0007				
%RSD:	0.36228	0.36228	0.36				

QC value within limits for Hg 253.7 Recovery = 103.68%
All analyte(s) passed QC.

Sequence No.: 40 Autosampler Location: 1
Sample ID: 1900 Date Collected: 6/9/2008 12:45:21 PM
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	0.000008	0.007991	0.001	0.004	0.001	12:46:09	Yes
2	-0.000022	-0.022205	0.000	0.003	0.001	12:46:38	Yes
Mean:	-0.000007	-0.007107	0.001				
SD:	0.000021	0.021352	0.0008				
%RSD:	300.42	300.42	129.18				

QC value within limits for Hg 253.7 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 41
Sample ID: 612517
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 5X
Autosampler Location: 47
Date Collected: 6/9/2008 12:46:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 612517

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.002929	0.011717	0.001	0.005	0.001	12:47:49	Yes
2	0.003107	0.012427	0.001	0.005	0.001	12:48:17	Yes
Mean:	0.003018	0.012072	0.001				
SD:	0.000125	0.000502	0.0000				
%RSD:	4.1567	4.1567	1.41				

Sequence No.: 42
Sample ID: 20806052208
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X
Autosampler Location: 48
Date Collected: 6/9/2008 12:48:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806052208

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.040523	0.82396	0.032	0.036	0.006	12:49:27	Yes
2	0.038561	0.78406	0.031	0.034	0.005	12:49:55	Yes
Mean:	0.039542	0.80401	0.032				
SD:	0.001387	0.028210	0.0011				
%RSD:	3.5087	3.5087	3.41				

Sequence No.: 43
Sample ID: 20806052209
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X
Autosampler Location: 49
Date Collected: 6/9/2008 12:50:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806052209

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.018844	0.37688	0.015	0.019	0.003	12:51:01	Yes
2	0.018419	0.36838	0.015	0.018	0.003	12:51:29	Yes
Mean:	0.018631	0.37263	0.015				
SD:	0.000300	0.006009	0.0002				
%RSD:	1.6127	1.6127	1.52				

Sequence No.: 44
Sample ID: 20806052210
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X
Autosampler Location: 50
Date Collected: 6/9/2008 12:51:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806052210

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.008440	0.16880	0.007	0.011	0.002	12:52:36	Yes
2	0.008508	0.17016	0.007	0.011	0.002	12:53:05	Yes
Mean:	0.008474	0.16948	0.007				
SD:	0.000048	0.000960	0.0000				
%RSD:	0.56663	0.56663	0.50				

Sequence No.: 45
Sample ID: 20806052211
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 51
Date Collected: 6/9/2008 12:53:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806052211

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005963	0.11926	0.005	0.009	0.001	12:54:12	Yes
2	0.006259	0.12518	0.006	0.009	0.001	12:54:40	Yes
Mean:	0.006111	0.12222	0.006				
SD:	0.000209	0.004187	0.0002				
%RSD:	3.4257	3.4257	2.87				

Sequence No.: 46
Sample ID: 612366
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

RL DJH 6/9/08

Autosampler Location: 52
Date Collected: 6/9/2008 12:54:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 612366

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.021001	0.42002	0.017	0.020	0.003	12:55:48	Yes
2	0.019641	0.39282	0.016	0.019	0.003	12:56:17	Yes
Mean:	0.020321	0.40642	0.016				
SD:	0.000962	0.019237	0.0007				
%RSD:	4.7333	4.7333	4.47				

Sequence No.: 47
Sample ID: 612367
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 53
Date Collected: 6/9/2008 12:56:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 612367

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.30148	6.0296	0.231	0.234	0.037	12:57:25	Yes
2	0.29697	5.9394	0.227	0.230	0.037	12:57:53	Yes
Mean:	0.29923	5.9845	0.229				
SD:	0.003187	0.063737	0.0024				
%RSD:	1.0650	1.0650	1.06				

Sequence No.: 48
Sample ID: 20806072301
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 54
Date Collected: 6/9/2008 12:58:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806072301

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.025596	0.51192	0.020	0.024	0.004	12:59:02	Yes
2	0.025439	0.50878	0.020	0.024	0.004	12:59:31	Yes
Mean:	0.025517	0.51035	0.020				
SD:	0.000111	0.002215	0.0001				
%RSD:	0.43405	0.43405	0.41				

Sequence No.: 49
Sample ID: 612368
Analyst:

Autosampler Location: 55
Date Collected: 6/9/2008 12:59:50 PM
Data Type: Original

Initial Sample Wt: 0.6 g
Dilution: 1X
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 612368

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.024260	0.48519	0.019	0.023	0.004	13:00:39	Yes
2	0.024004	0.48007	0.019	0.022	0.004	13:01:08	Yes
Mean:	0.024132	0.48263	0.019				
SD:	0.000181	0.003620	0.0001				
%RSD:	0.74998	0.74998	0.71				

Sequence No.: 50
Sample ID: 612369
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X
Autosampler Location: 56
Date Collected: 6/9/2008 1:01:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 612369

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.30389	6.0778	0.232	0.236	0.037	13:02:17	Yes
2	0.29754	5.9508	0.228	0.231	0.037	13:02:45	Yes
Mean:	0.30072	6.0143	0.230				
SD:	0.004490	0.089800	0.0034				
%RSD:	1.4931	1.4931	1.49				

Sequence No.: 51
Sample ID: 1800
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 6/9/2008 1:03:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005232	5.2318	0.200	0.204	0.032	13:03:56	Yes
2	0.005217	5.2173	0.200	0.203	0.032	13:04:25	Yes
Mean:	0.005225	5.2245	0.200				
SD:	0.000010	0.010263	0.0004				
%RSD:	0.19643	0.19643	0.20				

QC value within limits for Hg 253.7 Recovery = 104.49%
All analyte(s) passed QC.

Sequence No.: 52
Sample ID: 1900
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 6/9/2008 1:04:46 PM
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	-0.000021	-0.021086	0.000	0.003	0.001	13:05:34	Yes
2	0.000001	0.001483	0.001	0.004	0.001	13:06:03	Yes
Mean:	-0.000010	-0.009801	0.001				
SD:	0.000016	0.015959	0.0006				
%RSD:	162.82	162.82	115.35				

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

Sequence No.: 53
Sample ID: 612518
Autosampler Location: 57
Date Collected: 6/9/2008 1:06:22 PM

171492

Analyst:
Initial Sample Wt: 0.6 g
Dilution: 5X

Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 612518

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.007360	-0.029441	-0.000	0.003	0.001	13:07:12	Yes
2	-0.000640	-0.002561	0.001	0.004	0.001	13:07:40	Yes
Mean:	-0.004000	-0.016001	0.000				
SD:	0.004752	0.019007	0.0007				
%RSD:	118.78	118.78	248.95				

Sequence No.: 54
Sample ID: 20806072302
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X

Autosampler Location: 58
Date Collected: 6/9/2008 1:08:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806072302

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.008456	0.17193	0.007	0.011	0.002	13:08:50	Yes
2	0.008071	0.16411	0.007	0.010	0.002	13:09:19	Yes
Mean:	0.008263	0.16802	0.007				
SD:	0.000272	0.005529	0.0002				
%RSD:	3.2909	3.2909	2.89				

Sequence No.: 55
Sample ID: 20806072303
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 59
Date Collected: 6/9/2008 1:09:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806072303

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.017041	0.34082	0.014	0.017	0.003	13:10:30	Yes
2	0.015970	0.31941	0.013	0.016	0.003	13:10:59	Yes
Mean:	0.016506	0.33011	0.013				
SD:	0.000757	0.015137	0.0006				
%RSD:	4.5855	4.5855	4.28				

Sequence No.: 56
Sample ID: 20806072304
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 60
Date Collected: 6/9/2008 1:11:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806072304

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.10470	2.0941	0.081	0.084	0.013	13:12:10	Yes
2	0.10290	2.0580	0.079	0.083	0.013	13:12:39	Yes
Mean:	0.10380	2.0760	0.080				
SD:	0.001275	0.025500	0.0010				
%RSD:	1.2283	1.2283	1.21				

Sequence No.: 57
Sample ID: 20806072305
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X

Autosampler Location: 61
Date Collected: 6/9/2008 1:13:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806072305

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.010276	0.20895	0.009	0.012	0.002	13:13:51	Yes
2	0.008853	0.18000	0.008	0.011	0.002	13:14:19	Yes
Mean:	0.009564	0.19447	0.008				
SD:	0.001007	0.020467	0.0008				
%RSD:	10.524	10.524	9.38				

RR DIH 6/9/08

Sequence No.: 58
Sample ID: 20806072306
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X

Autosampler Location: 62
Date Collected: 6/9/2008 1:14:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806072306

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.007285	0.14812	0.007	0.010	0.001	13:15:32	Yes
2	0.006542	0.13302	0.006	0.009	0.001	13:16:00	Yes
Mean:	0.006913	0.14057	0.006				
SD:	0.000525	0.010679	0.0004				
%RSD:	7.5969	7.5969	6.50				

Sequence No.: 59
Sample ID: 20806072307
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 63
Date Collected: 6/9/2008 1:16:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806072307

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.007036	0.14071	0.006	0.010	0.001	13:17:09	Yes
2	0.007789	0.15578	0.007	0.010	0.002	13:17:37	Yes
Mean:	0.007412	0.14824	0.007				
SD:	0.000533	0.010653	0.0004				
%RSD:	7.1864	7.1864	6.20				

Sequence No.: 60
Sample ID: 20806072308
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 64
Date Collected: 6/9/2008 1:17:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806072308

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.003178	0.063564	0.003	0.007	0.001	13:18:42	Yes
2	0.002903	0.058057	0.003	0.006	0.001	13:19:11	Yes
Mean:	0.003041	0.060810	0.003				
SD:	0.000195	0.003894	0.0001				
%RSD:	6.4037	6.4037	4.61				

Sequence No.: 61
Sample ID: 20806072309
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X

Autosampler Location: 65
Date Collected: 6/9/2008 1:19:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806072309

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.006266	0.12741	0.006	0.009	0.001	13:20:17	Yes
2	0.005452	0.11085	0.005	0.008	0.001	13:20:46	Yes
Mean:	0.005859	0.11913	0.005				
SD:	0.000576	0.011708	0.0004				
%RSD:	9.8277	9.8277	8.20				

Sequence No.: 62 **Autosampler Location: 66**
Sample ID: 20806072401 **Date Collected: 6/9/2008 1:21:04 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: 0.6 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 30 mL**

Replicate Data: 20806072401

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.20244	4.0488	0.155	0.158	0.025	13:21:52	Yes
2	0.19931	3.9862	0.153	0.156	0.024	13:22:21	Yes
Mean:	0.20087	4.0175	0.154				
SD:	0.002211	0.044215	0.0017				
%RSD:	1.1006	1.1006	1.09				

Sequence No.: 63 **Autosampler Location: 5**
Sample ID: 1800 **Date Collected: 6/9/2008 1:22:39 PM**
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	0.005214	5.2144	0.200	0.203	0.032	13:23:30	Yes
2	0.005209	5.2086	0.199	0.203	0.032	13:23:59	Yes
Mean:	0.005211	5.2115	0.199				
SD:	0.000004	0.004098	0.0002				
%RSD:	0.078628	0.078628	0.08				

QC value within limits for Hg 253.7 Recovery = 104.23%
All analyte(s) passed QC.

Sequence No.: 64 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 6/9/2008 1:24:19 PM**
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	0.000004	0.004303	0.001	0.004	0.001	13:25:08	Yes
2	0.000003	0.002500	0.001	0.004	0.001	13:25:36	Yes
Mean:	0.000003	0.003401	0.001				
SD:	0.000001	0.001275	0.0000				
%RSD:	37.476	37.476	4.71				

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

Sequence No.: 65 **Autosampler Location: 67**
Sample ID: 20806072201 **Date Collected: 6/9/2008 1:25:55 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: 0.61 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 30 mL**

171495

Replicate Data: 20806072201

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.078315	1.5924	0.062	0.065	0.010	13:26:44	Yes
2	0.076902	1.5637	0.060	0.064	0.010	13:27:13	Yes
Mean:	0.077609	1.5780	0.061				
SD:	0.000999	0.020315	0.0008				
%RSD:	1.2874	1.2874	1.27				

Sequence No.: 66
Sample ID: 20806072202
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X

Autosampler Location: 68
Date Collected: 6/9/2008 1:27:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806072202

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.15443	3.1401	0.121	0.124	0.019	13:28:21	Yes
2	0.15120	3.0743	0.118	0.121	0.019	13:28:49	Yes
Mean:	0.15281	3.1072	0.119				
SD:	0.002286	0.046486	0.0018				
%RSD:	1.4961	1.4961	1.48				

Sequence No.: 67
Sample ID: 20806072203
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 69
Date Collected: 6/9/2008 1:29:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806072203

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.011993	0.23986	0.010	0.013	0.002	13:29:58	Yes
2	0.010662	0.21325	0.009	0.012	0.002	13:30:26	Yes
Mean:	0.011328	0.22655	0.010				
SD:	0.000941	0.018820	0.0007				
%RSD:	8.3070	8.3070	7.52				

Sequence No.: 68
Sample ID: 20806072204
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 70
Date Collected: 6/9/2008 1:30:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806072204

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.020591	0.41182	0.017	0.020	0.003	13:31:35	Yes
2	0.019262	0.38524	0.016	0.019	0.003	13:32:04	Yes
Mean:	0.019926	0.39853	0.016				
SD:	0.000940	0.018798	0.0007				
%RSD:	4.7169	4.7169	4.45				

Sequence No.: 69
Sample ID: 1800
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/9/2008 1:32:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1800

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

171496

1	0.005295	5.2953	0.203	0.206	0.032	13:33:13	Yes
2	0.005231	5.2310	0.200	0.203	0.032	13:33:42	Yes
Mean:	0.005263	5.2632	0.201				
SD:	0.000045	0.045499	0.0017				
%RSD:	0.86448	0.86448	0.86				

QC value within limits for Hg 253.7 Recovery = 105.26%
All analyte(s) passed QC.

Sequence No.: 70 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 6/9/2008 1:34:03 PM**
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	-0.000022	-0.022225	0.000	0.003	0.001	13:34:51	Yes
2	-0.000026	-0.026308	-0.000	0.003	0.001	13:35:20	Yes
Mean:	-0.000024	-0.024266	-0.000				
SD:	0.000003	0.002887	0.0001				
%RSD:	11.897	11.897	458.32				

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

171497

Analysis Begun

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

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID:
Results Data Set: 2080609 S
Results Library: C:\data-AA\met\Results\Results.mdb

Method Loaded
Method Name: Mercury
Method Last Saved: 6/9/2008 10:58:35 AM
Method Description: Mercury

Sequence No.: 1
Autosampler Location: 5
Sample ID: 1800
Date Collected: 6/9/2008 1:47:26 PM
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	0.005168	5.1677	0.198	0.201	0.033	13:48:16	Yes
2	0.005158	5.1579	0.197	0.201	0.033	13:48:45	Yes
Mean:	0.005163	5.1628	0.198				
SD:	0.000007	0.006904	0.0003				
%RSD:	0.13372	0.13372	0.13				

QC value within limits for Hg 253.7 Recovery = 103.26%
All analyte(s) passed QC.

Sequence No.: 2
Autosampler Location: 1
Sample ID: 1900
Date Collected: 6/9/2008 1:49:06 PM
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	-0.000006	-0.005725	0.001	0.004	0.001	13:49:54	Yes
2	-0.000019	-0.019078	0.000	0.003	0.001	13:50:23	Yes
Mean:	-0.000012	-0.012402	0.000				
SD:	0.000009	0.009442	0.0004				
%RSD:	76.139	76.139	84.05				

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

Sequence No.: 3
Autosampler Location: 77
Sample ID: 20806050101
Date Collected: 6/9/2008 1:50:42 PM
Analyst:
Data Type: Original
Initial Sample Wt: 0.6 g
Initial Sample Vol:
Dilution: 1X
Sample Prep Vol: 30 mL

Replicate Data: 20806050101

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.007614	0.15229	0.007	0.010	0.002	13:51:33	Yes
2	0.007646	0.15292	0.007	0.010	0.002	13:52:01	Yes
Mean:	0.007630	0.15260	0.007				
SD:	0.000022	0.000447	0.0000				
%RSD:	0.29320	0.29320	0.25				

171498

Sequence No.: 4
Sample ID: 611407
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X
Autosampler Location: 78
Date Collected: 6/9/2008 1:52:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 611407

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.008309	0.16617	0.007	0.011	0.002	13:53:10	Yes
2	0.007275	0.14550	0.006	0.010	0.002	13:53:39	Yes
Mean:	0.007792	0.15584	0.007				
SD:	0.000731	0.014617	0.0006				
%RSD:	9.3795	9.3795	8.14				

Sequence No.: 5
Sample ID: 20806050103
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X
Autosampler Location: 79
Date Collected: 6/9/2008 1:53:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806050103

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.008401	0.16801	0.007	0.011	0.002	13:54:44	Yes
2	0.007123	0.14247	0.006	0.010	0.002	13:55:13	Yes
Mean:	0.007762	0.15524	0.007				
SD:	0.000903	0.018063	0.0007				
%RSD:	11.636	11.636	10.10				

Sequence No.: 6
Sample ID: 20806050106
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X
Autosampler Location: 80
Date Collected: 6/9/2008 1:55:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806050106

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.007119	0.14237	0.006	0.010	0.002	13:56:19	Yes
2	0.007272	0.14545	0.006	0.010	0.002	13:56:48	Yes
Mean:	0.007196	0.14391	0.006				
SD:	0.000109	0.002174	0.0001				
%RSD:	1.5104	1.5104	1.30				

Sequence No.: 7
Sample ID: 20806050108
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X
Autosampler Location: 81
Date Collected: 6/9/2008 1:57:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806050108

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.007228	0.14456	0.006	0.010	0.002	13:57:54	Yes
2	0.007475	0.14949	0.007	0.010	0.002	13:58:22	Yes
Mean:	0.007351	0.14703	0.007				
SD:	0.000174	0.003487	0.0001				
%RSD:	2.3716	2.3716	2.04				

Sequence No.: 8
Autosampler Location: 82

Sample ID: 612366
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Date Collected: 6/9/2008 1:58:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 612366

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.002068	0.041368	0.002	0.006	0.001	13:59:30	Yes
2	0.002324	0.046479	0.003	0.006	0.001	13:59:58	Yes
Mean:	0.002196	0.043924	0.003				
SD:	0.000181	0.003613	0.0001				
%RSD:	8.2267	8.2267	5.35				

Sequence No.: 9
Sample ID: 20806072305
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X

Autosampler Location: 83
Date Collected: 6/9/2008 2:00:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20806072305

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.003776	0.076771	0.004	0.007	0.001	14:01:06	Yes
2	0.002538	0.051607	0.003	0.006	0.001	14:01:34	Yes
Mean:	0.003157	0.064189	0.003				
SD:	0.000875	0.017793	0.0007				
%RSD:	27.720	27.720	20.26				

Sequence No.: 10
Sample ID: 1800
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/9/2008 2:01:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005059	5.0593	0.194	0.197	0.032	14:02:44	Yes
2	0.005104	5.1042	0.195	0.199	0.033	14:03:13	Yes
Mean:	0.005082	5.0818	0.195				
SD:	0.000032	0.031748	0.0012				
%RSD:	0.62474	0.62474	0.62				

QC value within limits for Hg 253.7 Recovery = 101.64%
All analyte(s) passed QC.

Sequence No.: 11
Sample ID: 1900
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 6/9/2008 2:03:33 PM
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	-0.000020	-0.020230	0.000	0.003	0.001	14:04:22	Yes
2	-0.000008	-0.007864	0.001	0.004	0.001	14:04:51	Yes
Mean:	-0.000014	-0.014047	0.000				
SD:	0.000009	0.008744	0.0003				
%RSD:	62.251	62.251	91.18				

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

ICP SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	6-5-08 16:25 / 21:25	BATCH NO:	375043
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 375043 [DIGM/18282]	611565	1.25	50		HNO3 336-89-49
2	QC ACCOUNT	LCS for HBN 375043 [DIGM/18282	611566	1.25			
3	4482	SHELL 1	20806052201	1.25			HCL 336-89-18
4	4482	SHELL 2	20806052202	1.25			
5	4482	SHELL 3	20806052203	1.25			H2O2 336-86-12
6	4482	4WSED3	20806052205	1.25			
7	4482	4WSED3 MS	20806052206	1.25			
8	4482	4WSED3 MSD	20806052207	1.25			
9	4482	4WSED2	20806052208	1.25			
10	4482	SE600	20806052209	1.25			
11	4482	SWSED8	20806052210	1.25			
12	4482	2WSED10	20806052211	1.25			
13	4482	4WSED1	20806052204	1.25	↓		
14							
15							
16							
17							SPIKING SOLUTIONS (LCS/MS)
18							
19							GCALI-1 - 250uL 336-89-2
20							
21							GCALI-2 - 250uL 336-89-3
22							
23							ORGANOMETALLIC ICP SPIKE 0.025g
24							
25							
26							
27							
28							

COMMENTS:

BLOCK ID	TECHNICIAN	DATE
AR	JTC	6-5-08
REPIPET BOTTLES VERIFIED	**REVIEW**	**DATE**
JTC	CLB	6/9/08

ICP SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	6-5-08 17:40 | 19:40	BATCH NO:	375072
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 375072 [DIGM/18284]	611721	50	50		HNO3 336-89-19
2	QC ACCOUNT	LCS for HBN 375072 [DIGM/18284	611722				
3	4482	SE-060408-EB	20806052212				HCL 336-89-18
4	4482	SE-060408-FB	20806052213				
5	0267	27316-060508-N09R (1)	20806054301				H2O2
6	QC ACCOUNT	27316-060508-N09... (611663DUP)	611723				
7	QC ACCOUNT	27316-060508-N09R... (611663MS)	611724	↓	↓		
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							SPIKING SOLUTIONS (LCS/MS)
18							
19							GCALI-1 - 250uL
20							336-89-2
21							GCALI-2 - 250uL
22							336-89-3
23							ORGANOMETALLIC ICP SPIKE 0.025g
24							
25							
26							
27							
28							

COMMENTS:

BLOCK ID	TECHNICIAN	DATE
B1 133-1-22.08	JL	6-5-08
REPIPET BOTTLES VERIFIED	REVIEW	DATE
JL	CLB	6/9/08

1430

171502

HG SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	6-5-08 17:40 | 19:40	BATCH NO:	375073
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 375073 [DIGM/18285]	611750	30	40		HNO3 330-89-19
2	QC ACCOUNT	LCS for HBN 375073 [DIGM/18285	611751				
3	4482	SE-060408-EB	20806052212				H2SO4 334/86-18
4	4482	SE-060408-FB	20806052213				
5	0267	27316-060508-N09R (1)	20806054301				Aqua Regia
6	QC ACCOUNT	27316-060508-N09... (611663DUP)	611752				
7	QC ACCOUNT	27316-060508-N09R... (611663MS)	611753	↓	↓		KMN04 330-89-17
8							
9							K2S2O8 330-88-14
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 173-20-7
22							
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
B1 133-172-08	JCL	6-5-08
REPIPET BOTTLES VERIFIED	**REVIEW**	**DATE**
JCL	CLB	6/9/08

171503

HG SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	6-5-08 16:25 / 16:50	BATCH NO:	375044
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 375044 [DIGM/18283]	611569	0.60	30		HNO3
2	QC ACCOUNT	LCS for HBN 375044 [DIGM/18283	611570	0.60			
3	4482	4WSED3	20806052205	0.60			H2SO4
4	4482	4WSED3 MS	20806052206	0.60			
5	4482	4WSED3 MSD	20806052207	0.60			Aqua Regia
6	4482	4WSED2	20806052208	0.61			336-88-15
7	4482	SE600	20806052209	0.60			KMN04
8	4482	SWSED8	20806052210	0.61			336-89-17
9	4482	2WSED10	20806052211	0.60			K2S2O6
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							173-80-7
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 / 33-122-08	JTC	6-5-08
REPIPET BOTTLES VERIFIED	**REVIEW**	**DATE**
JTC	CLB	6/9/08

171504

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20806052201	SHELL 1	Solid	06/04/2008 10:10	06/05/2008 08:57

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/06/2008 15:20	JEM	375140

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	0.440	0.010	0.010	%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20806052202	SHELL 2	Solid	06/04/2008 10:15	06/05/2008 08:57

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/06/2008 15:20	JEM	375140

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	0.870	0.010	0.010	%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20806052203	SHELL 3	Solid	06/04/2008 10:20	06/05/2008 08:57

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/06/2008 15:20	JEM	375140

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	0.300	0.010	0.010	%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20806052204	4WSED1 (0-0.5)	Solid	06/04/2008 10:40	06/05/2008 08:57

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/06/2008 15:20	JEM	375140

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	25.0	0.010	0.010	%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20806052205	**4WSED3 (0-0.5)**	Solid	06/04/2008 12:00	06/05/2008 08:57

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/06/2008 15:20	JEM	375140

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	14.2	0.010	0.010	%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20806052205	4WSED3 (0-0.5)	Solid	06/04/2008 12:00	06/05/2008 08:57

SW-846 9060 TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/11/2008 17:14	RLY	375512

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	16300	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20806052208	4WSED2 (0-0.5)	Solid	06/04/2008 12:45	06/05/2008 08:57

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/06/2008 15:20	JEM	375140

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	33.3	0.010	0.010	%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20806052208	4WSED2 (0-0.5)	Solid	06/04/2008 12:45	06/05/2008 08:57

SW-846 9060 TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/11/2008 16:40	RLY	375512

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	21500	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20806052209	SE600	Solid	06/04/2008 00:00	06/05/2008 08:57

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/06/2008 15:20	JEM	375140

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	32.7	0.010	0.010	%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20806052209	SE600	Solid	06/04/2008 00:00	06/05/2008 08:57

SW-846 9060 TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/11/2008 16:47	RLY	375512

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	10700	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20806052210	SWSED8 (1-2)	Solid	06/04/2008 13:45	06/05/2008 08:57

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/06/2008 15:20	JEM	375140

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	26.4	0.010	0.010	%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20806052210	SWSED8 (1-2)	Solid	06/04/2008 13:45	06/05/2008 08:57

SW-846 9060 TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/11/2008 16:55	RLY	375512

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	6660	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20806052211	**2WSED10 (1-2)**	Solid	06/04/2008 14:40	06/05/2008 08:57

SM 2540G Dry Weight

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/06/2008 15:20	JEM	375140

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	19.5	0.010	0.010	%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20806052211	2WSED10 (1-2)	Solid	06/04/2008 14:40	06/05/2008 08:57

SW-846 9060 TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/11/2008 17:05	RLY	375512

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	22700	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20806052212	SE-060408-EB	Water	06/04/2008 15:00	06/05/2008 08:57

SW-846 9060 TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/09/2008 01:45	BMC	375152

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	4.4	1.0	0.31	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20806052213	SE-060408-FB	Water	06/04/2008 15:35	06/05/2008 08:57

SW-846 9060 TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/09/2008 02:05	BMC	375152

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.0U	1.0	0.31	mg/L

General Chemistry Quality Control Summary

Analytical Batch 375152	Client ID	MB375152			LCS375152		
Prep Batch N/A	GCAL ID	612339			612340		
	Sample Type	Method Blank			LCS		
	Analytical Date	06/08/2008 18:24			06/08/2008 15:45		
	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	50.6	101	80 - 120

Analytical Batch 375152	Client ID	Aluminous Water (T-24)			611325MS		
Prep Batch N/A	GCAL ID	20806051101			612342		
	Sample Type	SAMPLE			MS		
	Analytical Date	06/08/2008 23:52			06/09/2008 00:32		
	Matrix	Water			Water		
SW-846 9060 TOC		**Units** **Result**	mg/L **RDL**	**Spike Added**	**Result**	**% R**	**Control Limits % R**
C-012 Total Organic Carbon		67.6	5.0	250	298	92	75 - 125

Analytical Batch 375152	Client ID	Aluminous Water (T-24)		611325DUP		
Prep Batch N/A	GCAL ID	20806051101		612341		
	Sample Type	SAMPLE		DUP		
	Analytical Date	06/08/2008 23:52		06/09/2008 00:09		
	Matrix	Water		Water		
SW-846 9060 TOC		**Units** **Result**	mg/L **RDL**	**Result**	**RPD**	**RPD Limit**
C-012 Total Organic Carbon		67.6	5.0	66.6	1	25

Analytical Batch 375512	Client ID	MB375512			LCS375512		
Prep Batch N/A	GCAL ID	613898			613899		
	Sample Type	Method Blank			LCS		
	Analytical Date	06/11/2008 15:12			06/11/2008 15:20		
	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	10000	10100	101	69 - 128

General Chemistry Quality Control Summary

Analytical Batch 375512	Client ID	4WSED3 (0-0.5)		611484DUP		
Prep Batch N/A	GCAL ID	20806052205		613900		
	Sample Type	SAMPLE		DUP		
	Analytical Date	06/11/2008 17:14		06/11/2008 17:26		
	Matrix	Solid		Solid		
SW-846 9060 TOC	Units	Result	mg/kg RDL	Result	RPD	RPD Limit
C-012 Total Organic Carbon		16300	200	17000	4	25

Analytical Batch 375512	Client ID	4WSED3 (0-0.5)		611484DUP		
Prep Batch N/A	GCAL ID	20806052205		613902		
	Sample Type	SAMPLE		DUP		
	Analytical Date	06/11/2008 17:14		06/11/2008 18:35		
	Matrix	Solid		Solid		
SW-846 9060 TOC	Units	Result	mg/kg RDL	Result	RPD	RPD Limit
C-012 Total Organic Carbon		16300	200	16000	2	25

TOTAL SOLIDS AND MOISTURE ANALYSIS FOR DRY WEIGHT CORRECTION

OVEN ID:								
HBN	375028	375148		ANALYST:	JEM		DATE:	6/6/2008
SOLI	10708	10711		REVIEW:	BEA 6/9/08		TIME:	15:20:00
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
20806050801	50	0.9897	11.6185	8.7199	10.6288	7.7302	27.27	72.73
20806050802	51	1.0201	10.5942	9.3786	9.5741	8.3585	12.70	87.30
20806050803	52	1.0297	10.2870	9.5513	9.2573	8.5216	7.95	92.05
20806050804	53	0.9771	11.3617	10.1649	10.3846	9.1878	11.52	88.48
20806052201	54	1.0060	10.9016	10.8585	9.8956	9.8525	0.44	99.56
20806052202	55	1.0221	11.0062	10.9195	9.9841	9.8974	0.87	99.13
20806052203	56	1.0308	12.0127	11.9803	10.9819	10.9495	0.30	99.70
20806052204	57	1.0182	11.0066	8.5064	9.9884	7.4882	25.03	74.97
20806052205	58	0.9776	11.7385	10.2115	10.7609	9.2339	14.19	85.81
20806052206	58	0.9776	11.7385	10.2115	10.7609	9.2339	14.19	85.81
20806052207	58	0.9776	11.7385	10.2115	10.7609	9.2339	14.19	85.81
20806052208	61	1.0015	11.7797	8.1916	10.7782	7.1901	33.29	66.71
20806052209	62	0.9962	11.2415	7.8867	10.2453	6.8905	32.74	67.26
20806052210	63	1.0358	11.7727	8.9380	10.7369	7.9022	26.40	73.60
20806052211	64	1.0338	11.1255	9.1583	10.0917	8.1245	19.49	80.51
20806054603	65	1.0046	11.6212	11.1311	10.6166	10.1265	4.62	95.38
TS % = (Final Sample Mass x 100) / Initial Sample Mass								
TM % = 100-TS%								
Balance ID: Mettler AX504								

171523

TOC STANDARD IDs

ANALYST: Bmg/RZY
DATE: 06/6-9/08
HBN# 375080
375081
~~375~~ Acct 6/9/08
375079
375152

Total Organic Carbon 415.1/9060/5310B

TC CCV Lot# 7344-08 (SAME AS ICAL STANDARD)
TC CCV Expiration Date 12-12-09
IC CCV Lot# 7263-22
IC CCV Expiration Date 9-24-09
TC ICV/LCS Lot # 736-41-9
TC ICV/LCS Expiration Date 07-08
IC ICV/LCS Lot# 736-41-10
IC ICV/LCS Expiration Date 07-08
TC Calibration Date 06-04-08
TC Calibration Expiration Date 06-0409
IC Calibration Date 06-04-08
IC Calibration Expiration Date 06-0409
Instrument No. : 5

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: SAB 6/10/08

Revision 0: 1/3/07

171524

C:\TOC3201\Data\2008_06_06_001.t32

	Analysis	Sample Name	Sample ID	Manual Diluti	Result	Date / Time	
1	TOC	CCV TC	3373,BMC	1.000	TOC:51.60m	6/6/2008 19:35:13	
2	TOC	CCV IC	3373,BMC	1.000	TOC:1.308m	6/6/2008 19:54:39	
3	TOC	611789 MB/LCSD	3373,BMC	1.000	TOC:~~0.3122~~	6/6/2008 20:13:08	0/0
4	TOC	611790 LCS TC	3373,BMC	1.000	TOC:50.25m	6/6/2008 20:30:57	49.73
5	TOC	611790 LCS IC	3373,BMC	1.000	TOC:2.663m	6/6/2008 20:51:21	48.03
6	TOC	20805223901	3373,BMC	1 ~~5~~000	TOC:116.1m	6/6/2008 21:12:50	
7	TOC	20805223902	3373,BMC	1 ~~5~~000	TOC:6.846m	6/6/2008 21:31:13	
8	TOC	20806032401	3373,BMC	1 ~~5~~000	TOC:4.699m	6/6/2008 21:48:29	
9	TOC	20806032402	3373,BMC	1 ~~5~~000	TOC:22.27m	6/6/2008 22:16:51	
10	TOC	20806032403	3373,BMC	1.000	TOC:1.198m	6/6/2008 22:39:12	
11	TOC	20806032404	3373,BMC	1.000	TOC:3.734m	6/6/2008 22:58:39	
12	TOC	20806032405	3373,BMC	1.000	TOC:11.00m	6/6/2008 23:17:10	
13	TOC	CCV TC	3373,BMC	1.000	TOC:~~50.39m~~	6/6/2008 23:39:20	50.29
14	TOC	CCV IC	3373,BMC	1.000	TOC:2.646m	6/6/2008 23:58:14	
15	TOC	CCB	3373,BMC	1.000	TOC:0.3354	6/7/2008 00:14:34	
16	TOC	20806032406	3373,BMC	1.000	TOC:2.514m	6/7/2008 00:41:20	
17	TOC	20806032407	3373,BMC	1.000	TOC:2.846m	6/7/2008 00:59:31	
18	TOC	20806032408	3373,BMC	1.000	TOC:27.79m	6/7/2008 01:19:23	
19	TOC	20806032409	3373,BMC	1.000	TOC:10.01m	6/7/2008 01:39:25	
20	TOC	20806032410	3373,BMC	1.000	TOC:6.215m	6/7/2008 01:57:54	
21	TOC	20806032411	3373,BMC	1.000	TOC:4.690m	6/7/2008 02:16:22	
22	TOC	20806032412	3373,BMC	1.000	TOC:4.456m	6/7/2008 02:34:24	
23	TOC	20806032413	3373,BMC	1.000	TOC:3.419m	6/7/2008 02:52:47	
24	TOC	20806032414	3373,BMC	1.000	TOC:2.039m	6/7/2008 03:12:29	
25	TOC	20806032415	3373,BMC	1.000	TOC:4.009m	6/7/2008 03:30:24	
26	TOC	CCV TC	3373,BMC	1.000	TOC:~~50.27~~m	6/7/2008 03:52:28	50.27
27	TOC	CCV IC	3373,BMC	1.000	TOC:1.714m	6/7/2008 04:11:21	
28	TOC	CCB	3373,BMC	1.000	TOC:0.3187	6/7/2008 04:29:39	
29	TOC	CCV TC	3373,BMC	1.000	TOC:~~50.20m~~	6/7/2008 11:16:02	50.14
30	TOC	CCV IC	3373,BMC	1.000	TOC:1.503m	6/7/2008 11:34:55	
31	TOC	CCB	3373,BMC	1.000	TOC:~~0.3241~~	6/7/2008 11:55:13	0.00879
32	TOC	20805220201	3373,BMC	5 ~~1~~.000	TOC:~~13.03~~m	6/7/2008 12:12:28	13.14x5=65.8
33	TOC	611791 Dup	3373,BMC	5 ~~1~~.000	TOC:~~14.03~~m	6/7/2008 12:26:32	13.56x5=67.8
34	TOC	20806055801	3373,BMC	5 ~~1~~.000	TOC:1.986m	6/7/2008 12:50:01	x5=9.93
35	TOC	611792 MS	3373,BMC	5 ~~1~~.000	TOC:51.73m	6/7/2008 13:08:34	x5=258.65
36	TOC	20806055802	3373,BMC	5 ~~1~~.000	TOC:2.326m	6/7/2008 13:30:11	x5=11.63
37	TOC	611793 MB	3378,BMC	1.000	TOC:~~0.7219~~	6/7/2008 13:56:25	0
38	TOC	611794 LCS	3378,BMC	1.000	TOC:1.393m	6/7/2008 14:59:59	50.42
39	TOC	20806030201	3378,BMC	1.000	TOC:9.850m	6/7/2008 15:17:23	
40	TOC	611795 Dup	3378,BMC	1.000	TOC:9.722m	6/7/2008 15:31:35	
41	TOC	20806031202	3378,BMC	1.000	TOC:8.065m	6/7/2008 15:49:47	
42	TOC	CCV TC	3378,BMC	1.000	TOC:~~49.99~~m	6/7/2008 16:09:32	49.78
43	TOC	CCV IC	3378,BMC	1.000	TOC:-0.0296	6/7/2008 16:28:22	
44	TOC	CCB	3378,BMC	1.000	TOC:~~0.3675~~	6/7/2008 16:44:33	0
45	TOC	611795 MS	3378,BMC	1.000	TOC:63.51m	6/7/2008 17:03:16	
46	TOC	20806031401	3378,BMC	1.000	TOC:3.387m	6/7/2008 17:23:02	
47	TOC	20806032501	3378,BMC	1.000	TOC:3.336m	6/7/2008 17:41:18	
48	TOC	20806032502	3378,BMC	1.000	TOC:3.765m	6/7/2008 17:59:41	
49	TOC	20806032503	3378,BMC	1.000	TOC:3.618m	6/7/2008 18:17:34	
50	TOC	20806032504	3378,BMC	1.000	TOC:3.671m	6/7/2008 18:36:28	
51	TOC	20806032505	3378,BMC	1.000	TOC:3.920m	6/7/2008 18:54:58	
52	TOC	20806032506	3378,BMC	1.000	TOC:4.282m	6/7/2008 19:13:20	
53	TOC	20806032507	3378,BMC	1.000	TOC:8.053m	6/7/2008 19:31:54	
54	TOC	20806032508	3378,BMC	1.000	TOC:9.020m	6/7/2008 19:50:52	
55	TOC	CCV TC	3378,BMC	1.000	TOC:49.78m	6/7/2008 20:12:48	
56	TOC	CCV IC	3378,BMC	1.000	TOC:1.213m	6/7/2008 20:31:37	
57	TOC	CCB	3378,BMC	1.000	TOC:~~0.4355~~	6/7/2008 20:51:51	0.1567

Sample ID is 3377, Bmc Not 3373, Bmc

	Analysis	Sample Name	Sample ID	Manual Diluti	Result	Date / Time	
58	TOC	CCV TC	3378,BMC	1.000	TOC:51.57m	6/8/2008 04:22:51	
59	TOC	CCV IC	3378,BMC	1.000	TOC:2.352m	6/8/2008 04:43:14	
60	TOC	CCB	3378,BMC	1.000	TOC:0.6829	6/8/2008 05:03:37	
61	TOC	20806032509	3378,BMC	1.000	TOC:8.530m	6/8/2008 05:27:50	
62	TOC	20806032510	3378,BMC	1.000	TOC:8.286m	6/8/2008 05:46:15	
63	TOC	20806032511	3378,BMC	1.000	TOC:8.262m	6/8/2008 06:04:57	
64	TOC	20806032512	3378,BMC	1.000	TOC:8.223m	6/8/2008 06:23:18	
65	TOC	20806033302	3378,BMC	1.000	TOC:7.452m	6/8/2008 06:41:37	
66	TOC	20806033303	3378,BMC	1.000	TOC:7.908m	6/8/2008 07:03:47	
67	TOC	20806033304	3378,BMC	1.000	TOC:5.771m	6/8/2008 07:22:03	
68	TOC	20806040604	3378,BMC	1.000	TOC:6.901m	6/8/2008 07:38:59	
69	TOC	20806040606	3378,BMC	1.000	TOC:6.110m	6/8/2008 07:58:03	
70	TOC	CCV TC	3378,BMC	1.000	TOC:48.48m	6/8/2008 08:17:52	
71	TOC	CCV IC	3378,BMC	1.000	TOC:1.212m	6/8/2008 08:36:11	
72	TOC	CCB/611785 MB	3376,BMC	1.000	TOC:0.5497	6/8/2008 08:56:28	
73	TOC	611786 LCS TC	3376,BMC	1.000	TOC:51.12m	6/8/2008 09:14:17	51.08
74	TOC	611786 LCS IC	3376,BMC	1.000	TOC:1.199m	6/8/2008 09:38:34	49.08
75	TOC	20805282304	3376,BMC	1.000	TOC:2.546m	6/8/2008 09:55:08	
76	TOC	20805283003	3376,BMC	1.000	TOC:7.871m	6/8/2008 10:11:59	
77	TOC	611787 DUP	3376,BMC	1.000	TOC:7.914m	6/8/2008 10:25:55	
78	TOC	20805283004	3376,BMC	1.000	TOC:8.548m	6/8/2008 10:42:46	
79	TOC	611788 MS	3376,BMC	1.000	TOC:60.97m	6/8/2008 11:00:31	
80	TOC	20805285801	3376,BMC	1.000	TOC:5.414m	6/8/2008 11:17:38	
81	TOC	20805303601	3376,BMC	1.000	TOC:19.11m	6/8/2008 11:35:10	
82	TOC	CCV TC	3376,BMC	1.000	TOC:50.88m	6/8/2008 11:53:03	52.32
83	TOC	CCV IC	3376,BMC	1.000	TOC:2.773m	6/8/2008 12:11:47	
84	TOC	CCB	3376,BMC	1.000	TOC:0.3675	6/8/2008 12:27:59	0.02405
85	TOC	20805287601	3376,BMC	1.000	TOC:5.611m	6/8/2008 12:45:02	
86	TOC	20805290216	3376,BMC	1.000	TOC:11.24m	6/8/2008 13:02:06	
87	TOC	20805290217	3376,BMC	1.000	TOC:11.73m	6/8/2008 13:19:25	
88	TOC	20805290218	3376,BMC	1.000	TOC:14.23m	6/8/2008 13:36:49	
89	TOC	20805290219	3376,BMC	1.000	TOC:10.83m	6/8/2008 13:53:59	
90	TOC	20805291601	3376,BMC	1.000	TOC:2.332m	6/8/2008 14:10:28	
91	TOC	20805292401	3376,BMC	1.000	TOC:18.50m	6/8/2008 14:27:45	
92	TOC	20805292601	3376,BMC	1.000	TOC:10.97m	6/8/2008 14:44:50	
93	TOC	20805292801	3376,BMC	~~5~~ 1.000	TOC:~~13.91m~~	6/8/2008 15:01:51	13.57 - 69.85
94	TOC	20805301701	3376,BMC	1.000	TOC:3.287m	6/8/2008 15:18:50	
95	TOC	CCV TC	3376,BMC	1.000	TOC:50.60m	6/8/2008 15:45:56	
96	TOC	CCV IC	3376,BMC	1.000	TOC:1.712m	6/8/2008 16:05:00	
97	TOC	CCB	3376,BMC	1.000	TOC:0.3260	6/8/2008 16:21:13	
98	TOC	20805303301	3376,BMC	1.000	TOC:19.57m	6/8/2008 16:41:33	
99	TOC	20805303401	3376,BMC	1.000	TOC:9.866m	6/8/2008 17:04:52	
100	TOC	20805303402	3376,BMC	1.000	TOC:7.002m	6/8/2008 17:22:29	
101	TOC	20806042101	3376,BMC	1.000	TOC:4.083m	6/8/2008 17:42:22	
102	TOC	20806042102	3376,BMC	1.000	TOC:5.730m	6/8/2008 18:02:02	
103	TOC	612339 MB	3379,BMC	1.000	TOC:~~0.2617~~	6/8/2008 18:24:35	0.07692
104	TOC	612340 LCS TC post clean	3379,BMC	1.000	TOC:0.0786	6/8/2008 18:43:01	
105	TOC	612340 LCS IC post clean	3379,BMC	1.000	TOC:2.952m	6/8/2008 19:03:34	
106	TOC	20805211401	3379,BMC	~~5~~ 1.000	TOC:0.4272	6/8/2008 19:33:40	
107	TOC	20805211402	3379,BMC	~~5~~ 1.000	TOC:-0.0378	6/8/2008 19:58:42	
108	TOC	CCV TC	3379,BMC	1.000	TOC:49.91m	6/8/2008 20:19:09	
109	TOC	CCV IC	3379,BMC	1.000	TOC:-1.209	6/8/2008 20:39:02	
110	TOC	CCB	3379,BMC	1.000	TOC:1.170m	6/8/2008 21:00:39	
111	TOC	20805271901	3379,BMC	~~5~~ 1.000	TOC:0.6437	6/8/2008 21:22:26	
112	TOC	20805271902	3379,BMC	~~5~~ 1.000	TOC:~~-5.758~~	6/8/2008 21:49:04	
113	TOC	20805287201	3379,BMC	1.000	TOC:10.40m	6/8/2008 22:08:19	
114	TOC	20806043703	3379,BMC	1.000	TOC:11.68m	6/8/2008 22:32:03	

C:\TOC3201\Data\2008_06_06_001.t32

	Analysis	Sample Name	Sample ID	Manual Diluti	Result	Date / Time	
115	TOC	20806043704	3379,BMC	1.000	TOC:10.90m	6/8/2008 22:50:11	
116	TOC	20806043801	3379,BMC	1.000	TOC:21.72m	6/8/2008 23:13:32	
117	TOC	20806045801	3379,BMC	1.000	TOC:7.287m	6/8/2008 23:30:50	
118	TOC	20806051101	3379,BMC	1.000	TOC:~~13.80m~~	6/8/2008 23:52:43	13.52
119	TOC	612341 dup	3379,BMC	1.000	TOC:~~13.75m~~	6/9/2008 00:09:51	13.31
120	TOC	612342 MB	3379,BMC	1.000	TOC:~~60.17m~~	6/9/2008 00:32:20	59.69
121	TOC	CCV TC	3379,BMC	1.000	TOC:~~49.51~~m	6/9/2008 00:49:57	
122	TOC	CCV IC	3379,BMC	1.000	TOC:1.396m	6/9/2008 01:08:15	
123	TOC	CCB	3379,BMC	1.000	TOC:0.4450	6/9/2008 01:26:33	
124	TOC	20806052212	3379,BMC	1.000	TOC:~~1.566m~~	6/9/2008 01:45:40	
125	TOC	20806052213	3379,BMC	1.000	TOC:~~0.6490~~	6/9/2008 02:05:59	0.2274
126	TOC	20806053101	3379,BMC	1.000	TOC:8602m	6/9/2008 02:47:31	RR
127	TOC	20806053102	3379,BMC	1.000	TOC:5290m	6/9/2008 03:26:54	RR
128	TOC	20806053103	3379,BMC	1.000	TOC:5477m	6/9/2008 04:01:03	RR
129	TOC	20806053104	3379,BMC	1.000	TOC:7765m	6/9/2008 04:35:39	RR
130	TOC	20806053105	3379,BMC	1.000	TOC:5198m	6/9/2008 05:19:48	RR
131	TOC	20806054001	3379,BMC	1.000	TOC:5.902m	6/9/2008 05:44:59	RR
132	TOC	20806054002	3379,BMC	1.000	TOC:-0.5108	6/9/2008 06:09:18	ORR
133	TOC	20806054003	3379,BMC	1.000	TOC:9.145m	6/9/2008 06:30:49	RR
134	TOC	CCV TC	3379,BMC	1.000	TOC:48.78m	6/9/2008 06:55:17	
135	TOC	CCV IC	3379,BMC	1.000	TOC:2.227m	6/9/2008 07:18:13	
136	TOC	CCB	3379,BMC	1.000	TOC:~~0.7948~~	6/9/2008 07:40:58	0.4790
137	TOC	20806054001	3379,BMC	1.000	TOC:2.893m	6/9/2008 08:02:05	
138	TOC	20806054002	3379,BMC	1.000	TOC:3.147m	6/9/2008 08:23:18	
139	TOC	20806054003	3379,BMC	1.000	TOC:3.042m	6/9/2008 08:44:52	
140	TOC	CCV TC	3379,BMC	1.000	TOC:49.23m	6/9/2008 09:09:59	
141	TOC	CCV IC	3379,BMC	1.000	TOC:2.240m	6/9/2008 09:30:51	
142	TOC	CCB	3379,BMC	1.000	TOC:0.8448	6/9/2008 09:51:08	

wrong vial

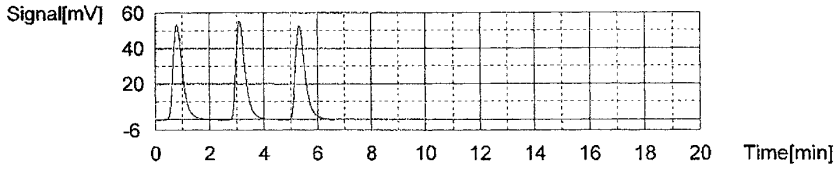
Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:8.065mg/L TC:37.78mg/L IC:29.72mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	130.1	37.49mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/7/2008 15:37:22
2	131.3	37.84mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/7/2008 15:39:45
3	131.9	38.02mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/7/2008 15:42:12

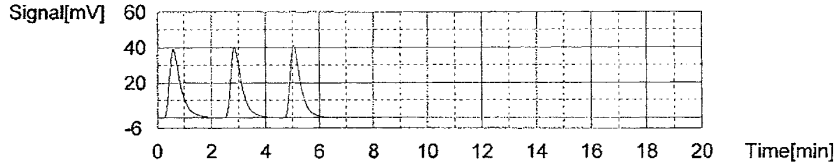
Mean Area 131.1
Mean Conc. 37.78mg/L
SD Conc 0.2672



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.3	29.73mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/7/2008 15:45:02
2	113.3	29.73mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/7/2008 15:47:24
3	113.2	29.70mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/7/2008 15:49:47

Mean Area 113.3
Mean Conc. 29.72mg/L
SD Conc 0.01543



Sample

Sample Name: CCV TC
Sample ID: 3378,BMC
Origin: TOC3.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:49.99mg/L TC:49.78mg/L IC:-0.2162mg/L

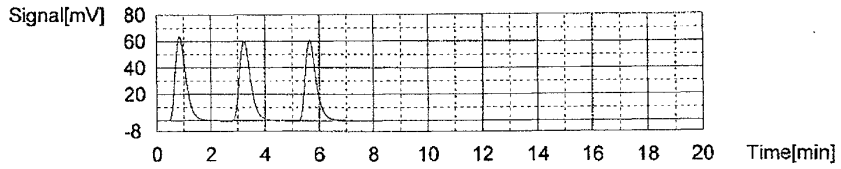
1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	172.1	49.74mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/7/2008 15:55:37
2	173.3	50.09mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/7/2008 15:58:13
3	171.3	49.50mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/7/2008 16:00:49

171528

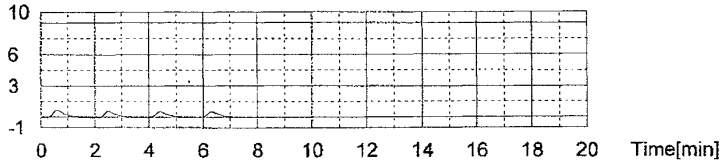
Mean Area 172.2
Mean Conc. 49.78mg/L
SD Conc 0.2935



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.619	-0.1217mg/L	50uL	1	E	IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/7/2008 16:03:18
2	1.353	-0.1928mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/7/2008 16:05:22
3	1.236	-0.2241mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/7/2008 16:07:27
4	1.207	-0.2318mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/7/2008 16:09:32

Mean Area 1.265
Mean Conc. -0.2162mg/L
SD Conc 0.02066



Sample

Sample Name: CCV IC
Sample ID: 3378,BMC
Origin: TOC3.met
Status Completed
Chk. Result

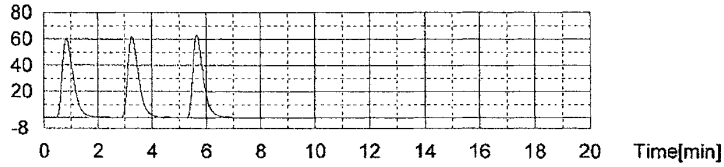
Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:-0.02968mg/L TC:49.16mg/L IC:49.19mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	170.3	49.21mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/7/2008 16:15:24
2	170.7	49.33mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/7/2008 16:17:58
3	169.4	48.95mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/7/2008 16:20:33

Mean Area 170.1
Mean Conc. 49.16mg/L
SD Conc 0.1941

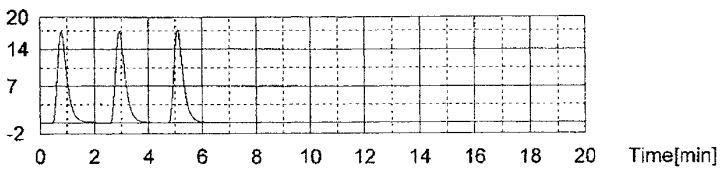


Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	188.7	49.88mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/7/2008 16:23:27
2	184.4	48.73mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/7/2008 16:25:54
3	185.3	48.97mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/7/2008 16:28:22

171529

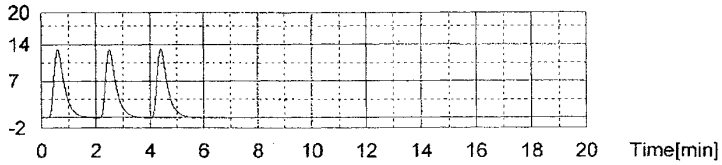
Mean Area 42.39
Mean Conc. 11.92mg/L
SD Conc 0.1660



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.28	8.608mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/8/2008 15:14:40
2	34.21	8.589mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/8/2008 15:16:45
3	34.62	8.699mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/8/2008 15:18:50

Mean Area 34.37
Mean Conc. 8.632mg/L
SD Conc 0.05862



Sample

Sample Name: CCV TC / LCS TC
Sample ID: 3376,BMC
Origin: TOC3.met
Status Completed
Chk. Result

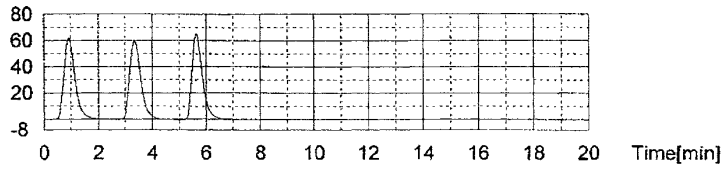
Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:50.60mg/L TC:50.26mg/L IC:-0.3399mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	173.3	50.09mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/8/2008 15:34:15
2	172.6	49.88mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/8/2008 15:36:47
3	175.8	50.82mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/8/2008 15:39:17

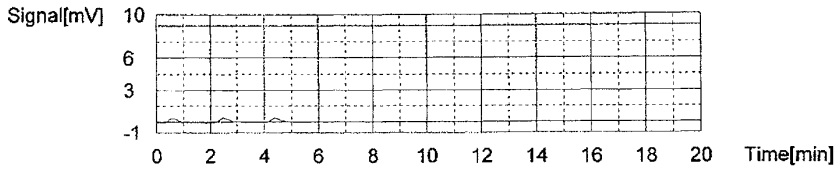
Mean Area 173.9
Mean Conc. 50.26mg/L
SD Conc 0.4905



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8251	-0.3339mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/8/2008 15:41:46
2	0.8110	-0.3377mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/8/2008 15:43:51
3	0.7718	-0.3481mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/8/2008 15:45:56

Mean Area 0.8026
Mean Conc. -0.3399mg/L
SD Conc 0.00738



Sample

Sample Name: CCV IC / LCS IC
Sample ID: 3376,BMC
OrigIn: TOC3.met
Status Completed
Chk. Result

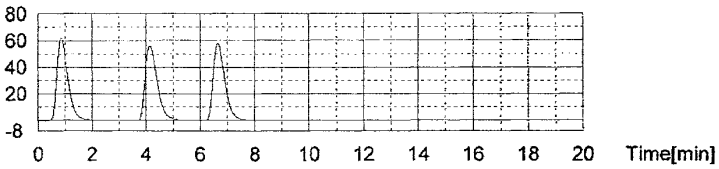
Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:1.712mg/L TC:50.18mg/L IC:48.46mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	175.3	50.67mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/8/2008 15:52:43
2	173.2	50.06mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/8/2008 15:55:24
3	172.3	49.80mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/8/2008 15:57:57

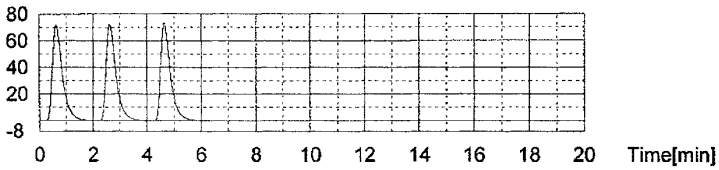
Mean Area 173.6
Mean Conc. 50.18mg/L
SD Conc 0.4489



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	184.2	48.68mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/8/2008 16:00:32
2	183.2	48.41mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/8/2008 16:02:48
3	182.8	48.30mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/8/2008 16:05:00

Mean Area 183.4
Mean Conc. 48.46mg/L
SD Conc 0.1927



Sample

Sample Name: CCB / MB
Sample ID: 3376,BMC
Origin: TOC3.met
Status Completed
Chk. Result

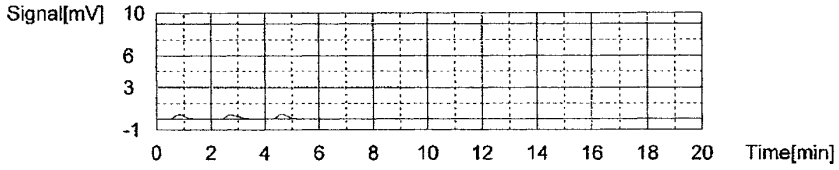
Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:0.3268mg/L TC:-0.08111mg/L IC:-0.4071mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.150	-0.1041mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/8/2008 16:10:24
2	1.329	-0.05195mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/8/2008 16:12:29
3	1.208	-0.08723mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/8/2008 16:14:34

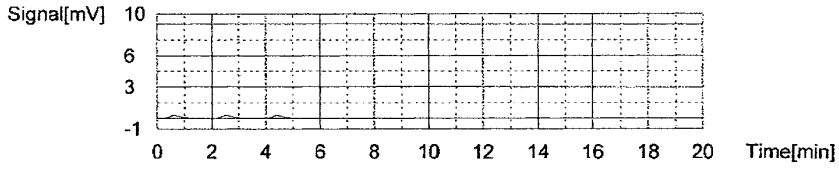
Mean Area 1.229
Mean Conc. -0.08111mg/L
SD Conc 0.02663



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5736	-0.4011mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/8/2008 16:17:03
2	0.5527	-0.4067mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/8/2008 16:19:08
3	0.5276	-0.4134mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/8/2008 16:21:13

Mean Area 0.5513
Mean Conc. -0.4071mg/L
SD Conc 0.00616



Sample

Sample Name: 20805303301
Sample ID: 3376,BMC
Origin: TOC3.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:19.57mg/L TC:51.83mg/L IC:32.26mg/L

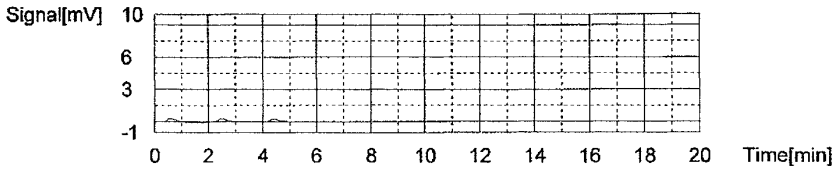
1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	177.3	51.25mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/8/2008 16:27:03
2	180.0	52.04mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/8/2008 16:29:29
3	180.5	52.19mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/8/2008 16:31:53

171532

Mean Area 0.3982
Mean Conc. -0.4480mg/L
SD Conc 0.00823



Sample

Sample Name: 612342
Sample ID: 3379,BMC
Origin: TOC3.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	TOC	5 1.000	TOC:~~60.17~~mg/L TC:59.69mg/L IC:-0.4762mg/L

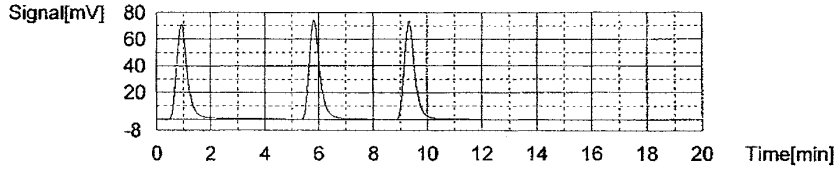
SAB2 6/10/08 298.45 298.45 0

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	205.8	59.56mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 00:18:16
2	209.2	60.55mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 00:21:56
3	203.7	58.95mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 00:25:41

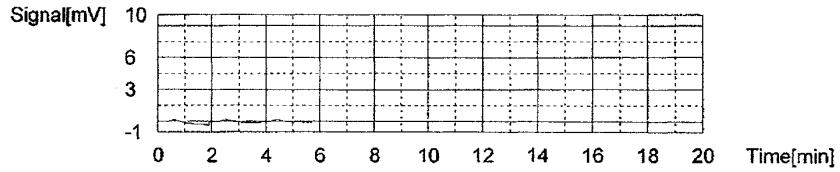
Mean Area 206.2
Mean Conc. 59.69mg/L
SD Conc 0.8092



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.2831	-0.4788mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 00:28:10
2	0.2992	-0.4745mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 00:30:15
3	0.2953	-0.4755mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 00:32:20

Mean Area 0.2925
Mean Conc. -0.4762mg/L
SD Conc 0.00224



Sample

Sample Name: CCV TC
Sample ID: 3379,BMC
Origin: TOC3.met
Status Completed
Chk. Result

1461

171533

Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:49.51mg/L TC:49.44mg/L IC:-0.07414mg/L

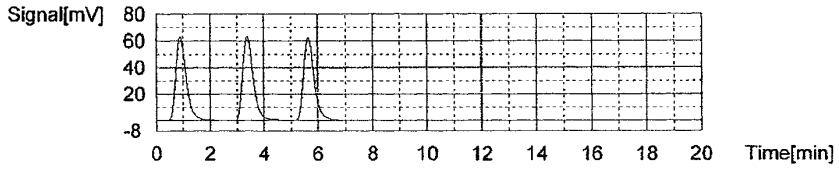
99%

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	170.2	49.18mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 00:38:20
2	171.9	49.68mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 00:40:47
3	171.1	49.45mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 00:43:18

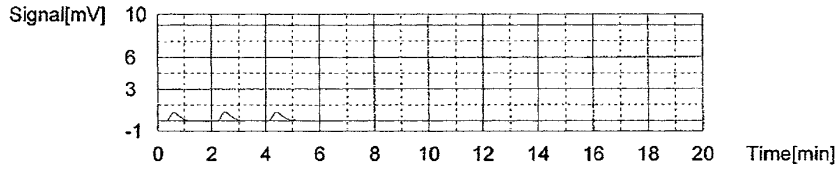
Mean Area 171.1
Mean Conc. 49.44mg/L
SD Conc 0.2480



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.764	-0.08296mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 00:45:47
2	1.820	-0.06799mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 00:47:52
3	1.807	-0.07146mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 00:49:57

Mean Area 1.797
Mean Conc. -0.07414mg/L
SD Conc 0.00783



Sample

Sample Name: CCV IC
Sample ID: 3379,BMC
Origin: TOC3.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:1.396mg/L TC:50.02mg/L IC:48.62mg/L

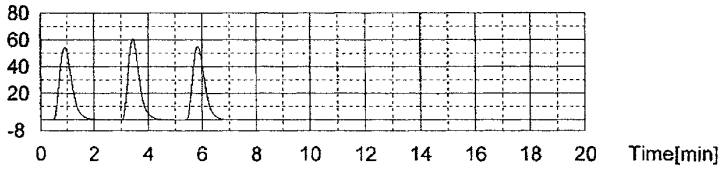
97%

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	173.6	50.18mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 00:56:02
2	174.3	50.38mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 00:58:36
3	171.3	49.50mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 01:01:13

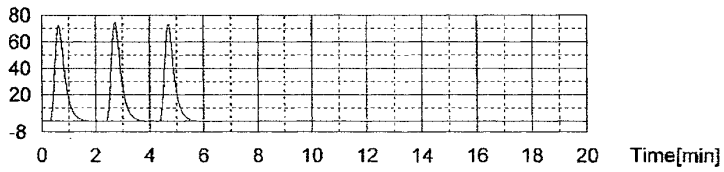
Mean Area 173.1
Mean Conc. 50.02mg/L
SD Conc 0.4576



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	186.4	49.27mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 01:03:54
2	183.6	48.52mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 01:06:04
3	182.0	48.09mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 01:08:15

Mean Area 184.0
Mean Conc. 48.62mg/L
SD Conc 0.5952



Sample

Sample Name: CCB
Sample ID: 3379,BMC
Origin: TOC3.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:0.4450mg/L TC:0.1361mg/L IC:-0.3089mg/L

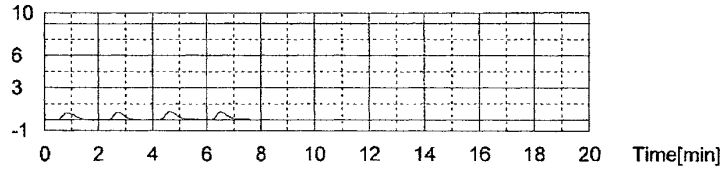
0.1361 0

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.074	0.1653mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 01:13:39
2	1.896	0.1134mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 01:15:44
3	2.221	0.2081mg/L	50uL	1	E	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 01:17:49
4	1.952	0.1297mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 01:19:54

Mean Area 1.974
Mean Conc. 0.1361mg/L
SD Conc 0.02654

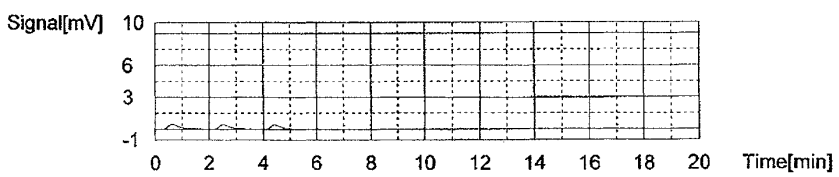


Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9539	-0.2995mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 01:22:23
2	0.9449	-0.3019mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 01:24:28
3	0.8567	-0.3255mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 01:26:33

171535

Mean Area 0.9185
Mean Conc. -0.3089mg/L
SD Conc 0.01436



Sample

Sample Name: 20806052212
Sample ID: 3379,BMC
Origin: TOC3.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:4.566mg/L TC:4.408mg/L IC:-0.1577mg/L

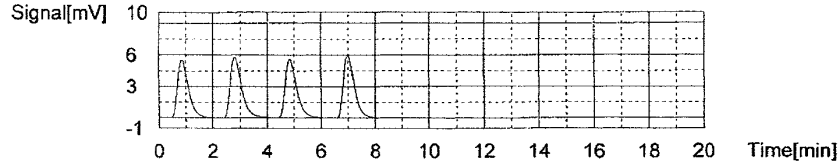
SA82 6/10/08
4.408
0

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.48	4.074mg/L	50uL	1	E	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 01:32:13
2	16.47	4.363mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 01:34:26
3	16.44	4.354mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 01:36:46
4	16.97	4.508mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 01:39:02

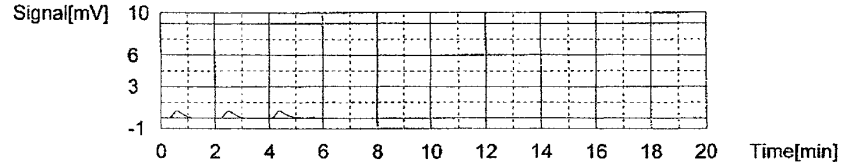
Mean Area 16.63
Mean Conc. 4.408mg/L
SD Conc 0.08680



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.458	-0.1647mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 01:41:30
2	1.506	-0.1519mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 01:43:35
3	1.489	-0.1565mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 01:45:40

Mean Area 1.484
Mean Conc. -0.1577mg/L
SD Conc 0.00650



Sample

Sample Name: 20806052213
Sample ID: 3379,BMC
Origin: TOC3.met
Status Completed
Chk. Result

171536

Type	Anal.	Manual Dilution	Result SABA 6/10/08
Unknown	TOC	1.000	TOC:0.6490mg/L TC:0.2276mg/L IC:-0.4215mg/L

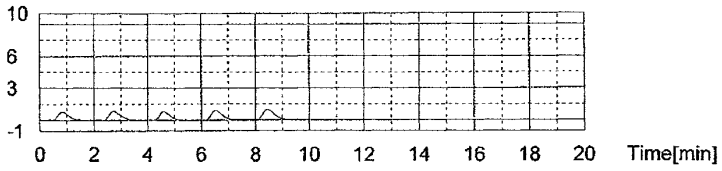
0.2276 0

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.195	0.2005mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 01:51:05
2	2.473	0.2816mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 01:53:11
3	2.195	0.2005mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 01:55:16
4	2.576	0.3116mg/L	50uL	1	E	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 01:57:21
5	2.820	0.3828mg/L	50uL	1	E	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 01:59:26

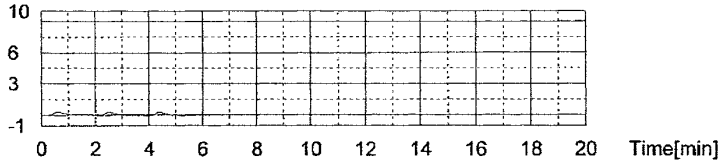
Mean Area 2.288
Mean Conc. 0.2276mg/L
SD Conc 0.04680



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5418	-0.4096mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 02:01:49
2	0.4805	-0.4260mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 02:03:54
3	0.4702	-0.4288mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 02:05:59

Mean Area 0.4975
Mean Conc. -0.4215mg/L
SD Conc 0.01035



Sample

Sample Name: 20806053101 R/R
Sample ID: 3379,BMC
Origin: TOC3.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:8602mg/L TC:8608mg/L IC:6.394mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7298	2127mg/L	50uL	1	R	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 02:14:25
2	1407	9015mg/L	50uL	22	R	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 02:20:46
3	584.2	8494mg/L	50uL	50		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 02:26:44
4	577.7	8400mg/L	50uL	50		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 02:29:18
5	614.1	8930mg/L	50uL	50		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 02:31:59
6	672.4	9780mg/L	50uL	50	E	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 02:34:39
7	709.7	10324mg/L	50uL	50	E	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 02:37:22

171537

Sample

Sample Name: CCV TC
Sample ID: 3379,BMC
Origin: TOC3.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:48.78mg/L TC:49.47mg/L IC:0.6882mg/L

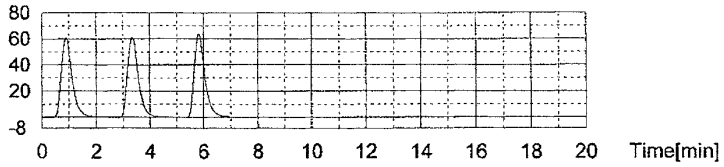
99%

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	167.8	48.48mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 06:36:55
2	171.7	49.62mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 06:39:36
3	174.0	50.29mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 06:42:10

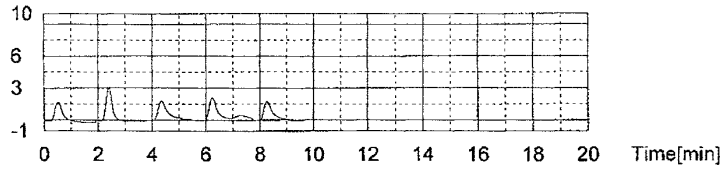
Mean Area 171.2
Mean Conc. 49.47mg/L
SD Conc 0.9138



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.080	0.2688mg/L	50uL	1	E	IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 06:46:46
2	4.787	0.7250mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 06:48:51
3	4.127	0.5486mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 06:50:56
4	5.034	0.7910mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 06:53:08
5	3.663	0.4246mg/L	50uL	1	E	IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 06:55:17

Mean Area 4.649
Mean Conc. 0.6882mg/L
SD Conc 0.1253



Sample

Sample Name: CCV IC
Sample ID: 3379,BMC
Origin: TOC3.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:2.227mg/L TC:51.02mg/L IC:48.79mg/L

98%

1. Det

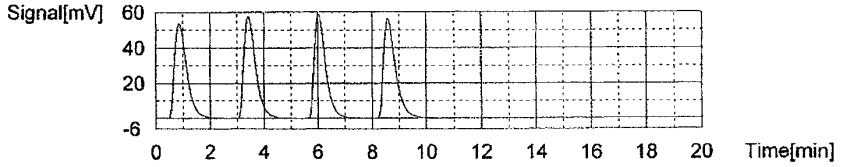
Anal.: TC

1466

171538

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	170.9	49.39mg/L	50uL	1	E	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 07:01:13
2	177.2	51.22mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 07:04:01
3	176.9	51.14mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 07:06:45
4	175.4	50.70mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 07:09:35

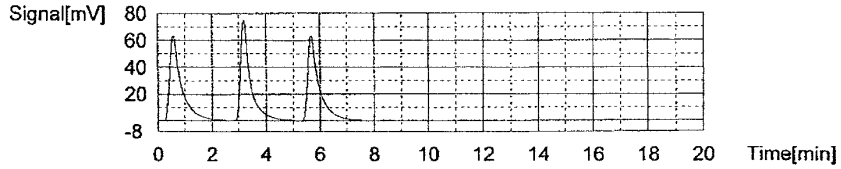
Mean Area 176.5
Mean Conc. 51.02mg/L
SD Conc 0.2812



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	185.4	49.00mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 07:12:47
2	185.3	48.97mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 07:15:26
3	183.2	48.41mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 07:18:13

Mean Area 184.6
Mean Conc. 48.79mg/L
SD Conc 0.3320



Sample

Sample Name: CCB
Sample ID: 3379,BMC
Origin: TOC3.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:0.7948mg/L TC:0.4790mg/L IC:-0.3158mg/L

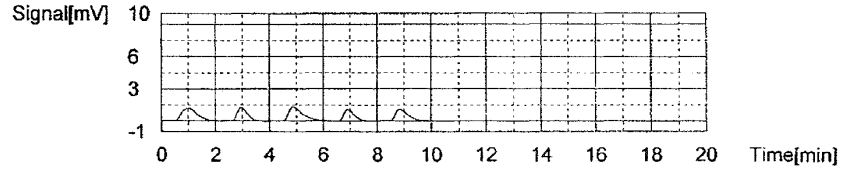
0.4790

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.721	0.9370mg/L	50uL	1	E	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 07:23:50
2	3.257	0.5102mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 07:25:55
3	4.508	0.8749mg/L	50uL	1	E	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 07:28:10
4	2.834	0.3868mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 07:30:15
5	3.359	0.5399mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 07:32:20

Mean Area 3.150
Mean Conc. 0.4790mg/L
SD Conc 0.08116

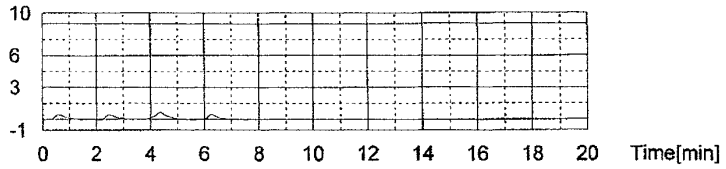


Anal.: IC

171539

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9083	-0.3117mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 07:34:43
2	0.8828	-0.3185mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 07:36:48
3	1.417	-0.1757mg/L	50uL	1	E	IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 07:38:53
4	0.8871	-0.3173mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 07:40:58

Mean Area 0.8927
Mean Conc. -0.3158mg/L
SD Conc 0.00365



Sample

Sample Name: 20806054001
Sample ID: 3379,BMC
Origin: TOC3.met
Status Completed
Chk. Result

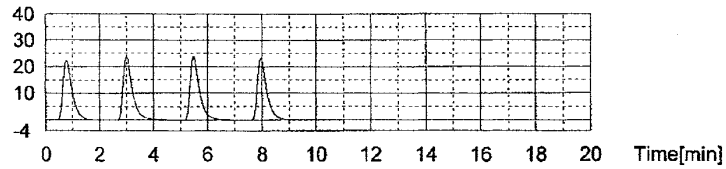
Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:2.893mg/L TC:16.01mg/L IC:13.11mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	52.56	14.88mg/L	50uL	1	E	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 07:46:41
2	57.15	16.22mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 07:49:21
3	56.74	16.10mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 07:52:01
4	55.34	15.70mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/9/2008 07:54:28

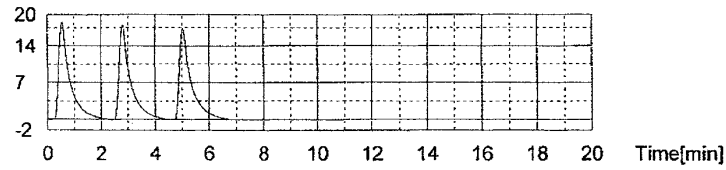
Mean Area 56.41
Mean Conc. 16.01mg/L
SD Conc 0.2767



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	51.69	13.26mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 07:57:16
2	51.45	13.20mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 07:59:41
3	50.28	12.88mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/9/2008 08:02:05

Mean Area 51.14
Mean Conc. 13.11mg/L
SD Conc 0.2016



171540

TOC STANDARD IDs

ANALYST: fbmc
DATE: 06-04-08
HBN# Calibration

Total Organic Carbon 415.1/9060/5310B

TC CCV Lot# 7344-08 (SAME AS ICAL STANDARD)
TC CCV Expiration Date 12-12-09
IC CCV Lot# 7263-22
IC CCV Expiration Date 9-24-09
TC ICV/LCS Lot # 736-41-9
TC ICV/LCS Expiration Date 07-08
IC ICV/LCS Lot# 736-41-10
IC ICV/LCS Expiration Date 07-08
TC Calibration Date 06-04-08
TC Calibration Expiration Date 06-04-09
IC Calibration Date 06-04-08
IC Calibration Expiration Date 06-0409
Instrument No.: 5

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

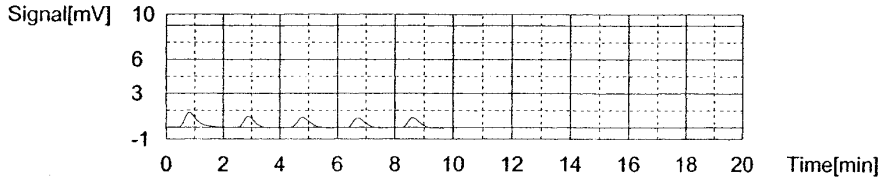
LL CK - after ICAL : 100 uL of CCV stock standard (1000 mg/L) diluted to a final volume of 100 mL with deionized water

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: fbm 6/13/08

Mean Area 2.578
Mean Conc. 0.000mg/L
SD Conc 0.000



Sample

Sample Name: Untitled
Sample ID: Untitled
Origin:
Status Completed
Chk. Result

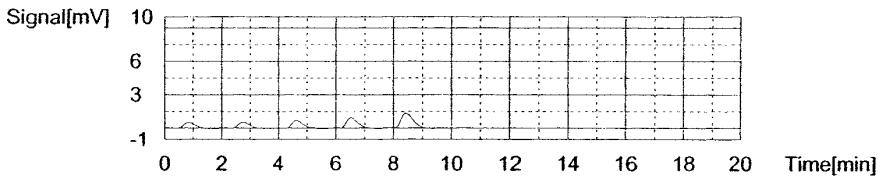
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.000mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.502	0.000mg/L	50uL	1			6/4/2008 16:56:06
2	1.511	0.000mg/L	50uL	1			6/4/2008 16:58:10
3	2.007	0.000mg/L	50uL	1			6/4/2008 17:00:13
4	2.608	0.000mg/L	50uL	1	E		6/4/2008 17:02:15
5	3.808	0.000mg/L	50uL	1	E		6/4/2008 17:04:19

Mean Area 1.673
Mean Conc. 0.000mg/L
SD Conc 0.000



Sample

Sample Name: Untitled
Sample ID: Untitled
Origin:
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.000mg/L

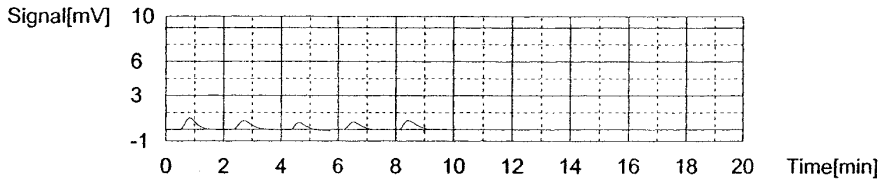
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.878	0.000mg/L	50uL	1	E		6/4/2008 17:09:00
2	2.363	0.000mg/L	50uL	1			6/4/2008 17:11:56
3	1.800	0.000mg/L	50uL	1	E		6/4/2008 17:14:53
4	1.971	0.000mg/L	50uL	1			6/4/2008 17:17:50
5	2.439	0.000mg/L	50uL	1			6/4/2008 17:22:32

171542

Mean Area 2.258
Mean Conc. 0.000mg/L
SD Conc 0.000



Cal. Curve

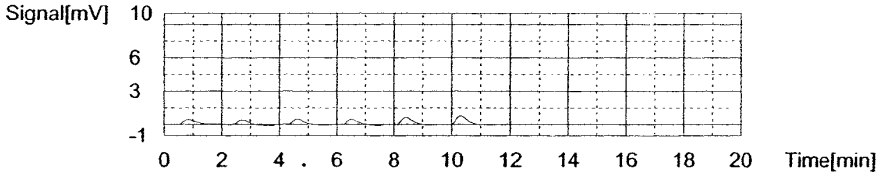
Sample Name: Untitled
Sample ID: Untitled
Cal. Curve: TC_Cal_0_1_15_30_60_100.2008_06_04_17_22_32.cal
Status Completed

Type	Anal.
Standard	TC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.173	50uL	1	*******		6/4/2008 17:28:04
2	1.228	50uL	1	*******		6/4/2008 17:30:09
3	1.402	50uL	1	*******		6/4/2008 17:32:14
4	1.383	50uL	1	*******		6/4/2008 17:34:20
5	1.807	50uL	1	*******	E	6/4/2008 17:36:25
6	2.154	50uL	1	*******	E	6/4/2008 17:38:30

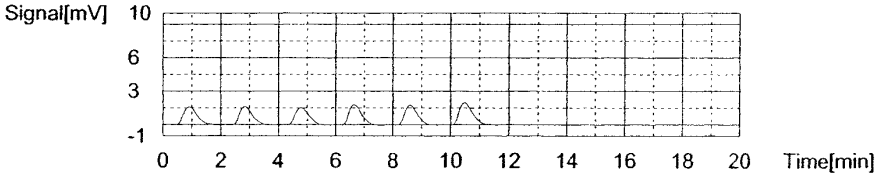
Mean Area 1.297



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	5.044	50uL	1	*******		6/4/2008 17:43:54
2	5.001	50uL	1	*******		6/4/2008 17:45:59
3	5.182	50uL	1	*******		6/4/2008 17:48:04
4	5.577	50uL	1	*******	E	6/4/2008 17:50:11
5	5.487	50uL	1	*******		6/4/2008 17:52:16
6	6.403	50uL	1	*******	E	6/4/2008 17:54:29

Mean Area 5.179

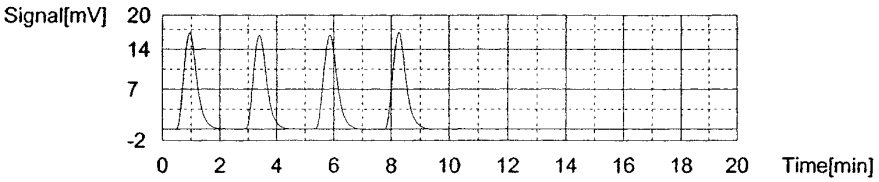


Conc: 15.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	53.20	50uL	1	*******		6/4/2008 18:00:22
2	53.18	50uL	1	*******		6/4/2008 18:03:00
3	54.00	50uL	1	*******		6/4/2008 18:05:36
4	54.07	50uL	1	*******		6/4/2008 18:08:13

171543

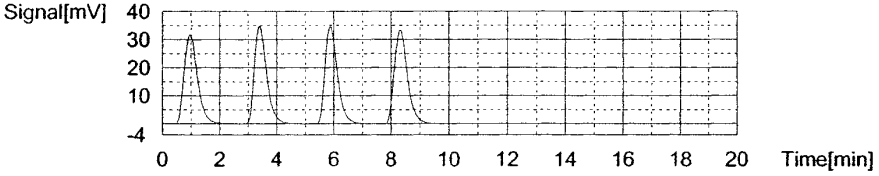
Mean Area 53.61



Conc: 30.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	103.1	50uL	1	********		6/4/2008 18:14:15
2	103.9	50uL	1	********		6/4/2008 18:16:53
3	105.2	50uL	1	********		6/4/2008 18:19:28
4	105.3	50uL	1	********		6/4/2008 18:22:08

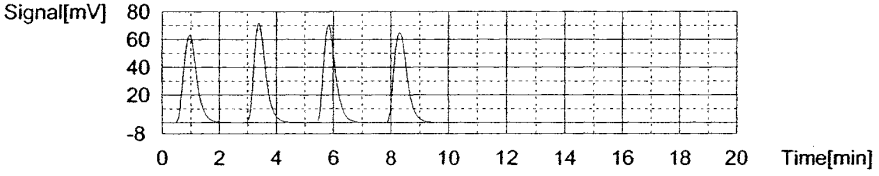
Mean Area 104.4



Conc: 60.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	201.8	50uL	1	********		6/4/2008 18:28:11
2	206.5	50uL	1	********		6/4/2008 18:30:48
3	208.0	50uL	1	********		6/4/2008 18:33:25
4	207.2	50uL	1	********		6/4/2008 18:36:06

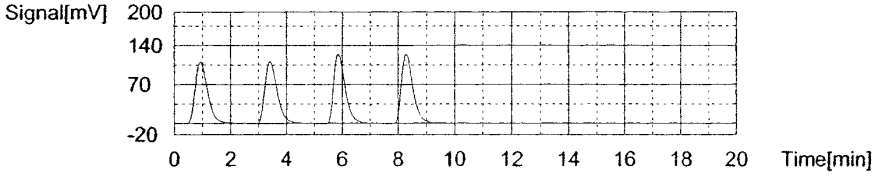
Mean Area 205.9



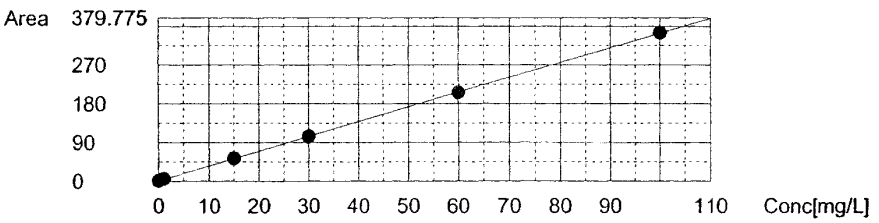
Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	338.5	50uL	1	********		6/4/2008 18:42:07
2	341.1	50uL	1	********		6/4/2008 18:44:48
3	350.7	50uL	1	********		6/4/2008 18:47:24
4	350.7	50uL	1	********		6/4/2008 18:50:04

Mean Area 345.3



Slope:	3.430
Intercept	1.507
r^2	1.0000
r	1.0000
Zero Shift	No



171544

Cal. Curve

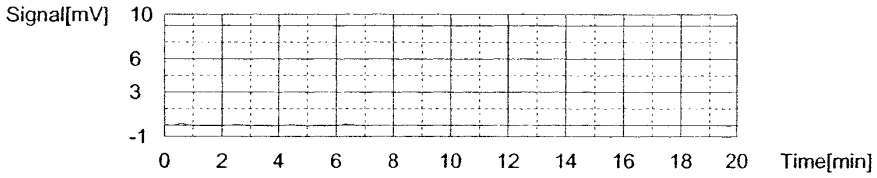
Sample Name: Untitled
Sample ID: Untitled
Cal. Curve: IC_Cal_0_1_15_30_60_100.2008_06_04_18_50_05.cal
Status Completed

Type	Anal.
Standard	IC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.2497	50uL	1	********		6/4/2008 18:55:33
2	0.1260	50uL	1	********		6/4/2008 18:57:38
3	0.1257	50uL	1	********		6/4/2008 18:59:43
4	0.1502	50uL	1	********		6/4/2008 19:01:55

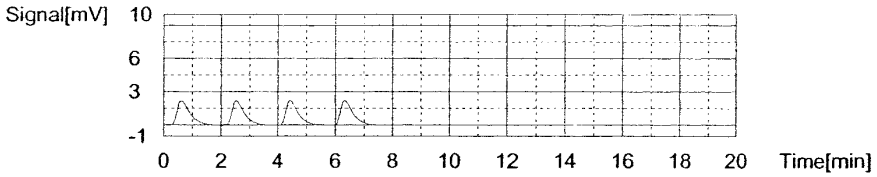
Mean Area 0.1629



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	6.249	50uL	1	********		6/4/2008 19:07:28
2	6.338	50uL	1	********		6/4/2008 19:09:33
3	6.303	50uL	1	********		6/4/2008 19:11:38
4	6.344	50uL	1	********		6/4/2008 19:13:43

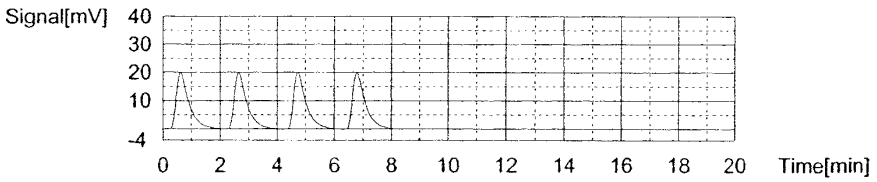
Mean Area 6.309



Conc: 15.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	60.57	50uL	1	********		6/4/2008 19:19:24
2	60.75	50uL	1	********		6/4/2008 19:21:45
3	61.11	50uL	1	********		6/4/2008 19:24:00
4	61.14	50uL	1	********		6/4/2008 19:26:15

Mean Area 60.89

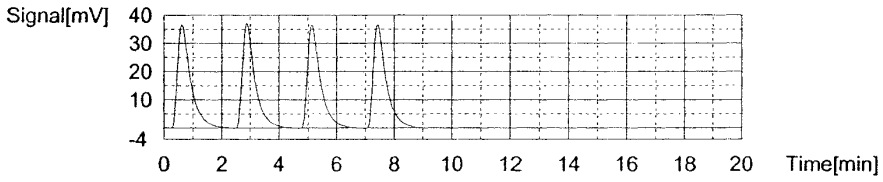


Conc: 30.00mg/L

171545

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	111.8	50uL	1	********		6/4/2008 19:32:09
2	113.8	50uL	1	********		6/4/2008 19:34:35
3	113.8	50uL	1	********		6/4/2008 19:37:04
4	113.0	50uL	1	********		6/4/2008 19:39:30

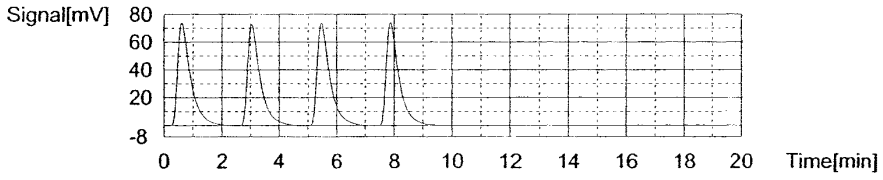
Mean Area 113.1



Conc: 60.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	225.9	50uL	1	********		6/4/2008 19:45:35
2	224.8	50uL	1	********		6/4/2008 19:48:11
3	228.0	50uL	1	********		6/4/2008 19:50:47
4	227.4	50uL	1	********		6/4/2008 19:53:22

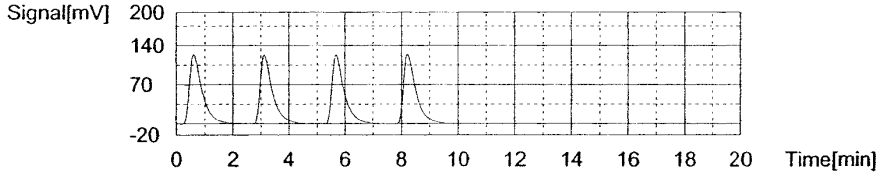
Mean Area 226.5



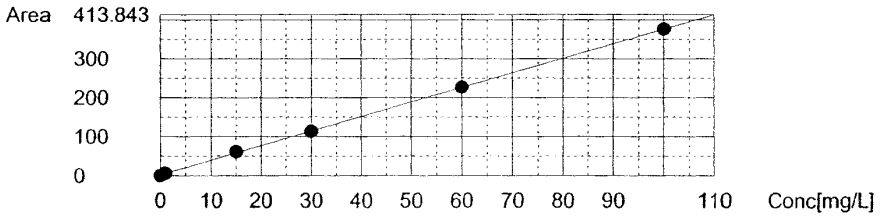
Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	375.4	50uL	1	********		6/4/2008 19:59:31
2	374.7	50uL	1	********		6/4/2008 20:02:16
3	378.0	50uL	1	********		6/4/2008 20:05:00
4	376.7	50uL	1	********		6/4/2008 20:07:45

Mean Area 376.2



Slope:	3.741
Intercept	2.074
r^2	0.9999
r	0.9999
Zero Shift	No



Sample

Sample Name:	ICV 25 TC
Sample ID:	Untitled
Origin:	TOC4.met
Status	Completed
Chk. Result	

171546

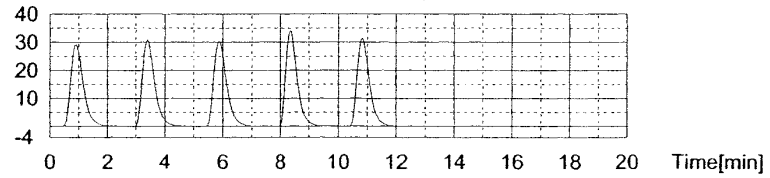
Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:27.07mg/L TC:26.65mg/L IC:-0.4216mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	88.99	25.51mg/L	50uL	1	E	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 20:13:55
2	91.97	26.38mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 20:16:35
3	93.21	26.74mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 20:19:16
4	94.03	26.98mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 20:21:54
5	92.39	26.50mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 20:24:26

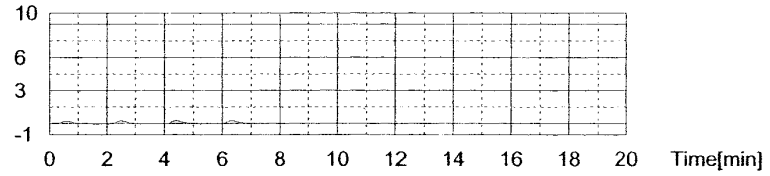
Mean Area 92.90
Mean Conc. 26.65mg/L
SD Conc 0.2661



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4439	-0.4358mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 20:26:55
2	0.4835	-0.4252mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 20:29:00
3	0.4970	-0.4216mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 20:31:06
4	0.5629	-0.4040mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 20:33:12

Mean Area 0.4968
Mean Conc. -0.4216mg/L
SD Conc 0.01322



Sample

Sample Name: ICV 75 TC
Sample ID: Untitled
Origin: TOC4.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:79.38mg/L TC:78.97mg/L IC:-0.4009mg/L

1. Det

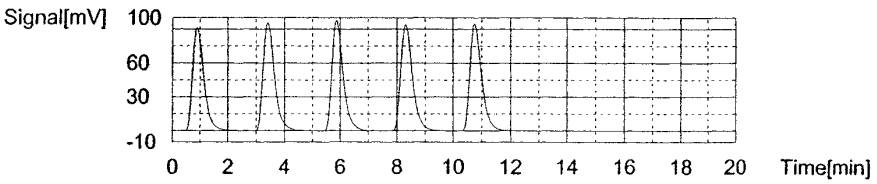
ICV 106%

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	261.3	75.75mg/L	50uL	1	E	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 20:39:18
2	268.6	77.87mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 20:41:58
3	275.6	79.91mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 20:44:34
4	274.6	79.62mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 20:47:13
5	270.7	78.49mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 20:49:49

171547

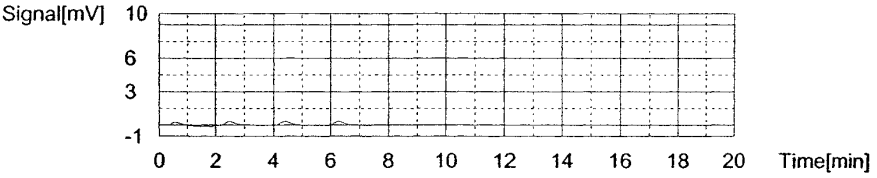
Mean Area 272.4
Mean Conc. 78.97mg/L
SD Conc 0.9583



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4631	-0.4307mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 20:52:18
2	0.6222	-0.3881mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 20:54:23
3	0.5991	-0.3943mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 20:56:28
4	0.6136	-0.3904mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 20:58:33

Mean Area 0.5745
Mean Conc. -0.4009mg/L
SD Conc 0.02001



Sample

Sample Name: LLCK 1.0
Sample ID: Untitled
Origin: TOC4.met
Status Completed
Chk. Result

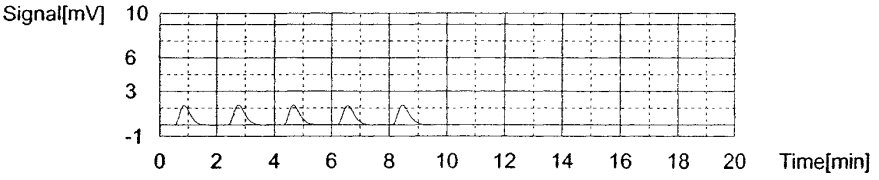
Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:1.435mg/L TC:0.9688mg/L IC:-0.4661mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.586	0.8977mg/L	50uL	1	E	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 21:04:02
2	4.854	0.9758mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 21:06:07
3	4.855	0.9761mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 21:08:12
4	4.720	0.9367mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 21:10:17
5	4.891	0.9866mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 21:12:22

Mean Area 4.830
Mean Conc. 0.9688mg/L
SD Conc 0.02196

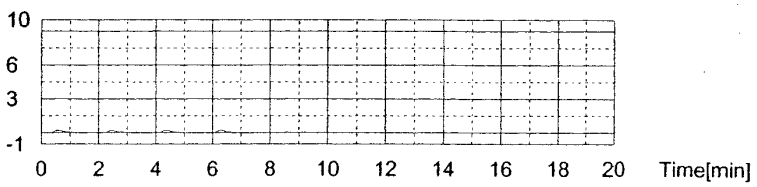


Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.3255	-0.4674mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 21:14:51
2	0.3176	-0.4695mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 21:16:56
3	0.3249	-0.4676mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 21:19:01
4	0.3534	-0.4600mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 21:21:06

171548

Mean Area 0.3303
Mean Conc. -0.4661mg/L
SD Conc 0.00422



Sample

Sample Name: ICV 25 IC
Sample ID: Untitled
Origin: TOC4.met
Status Completed
Chk. Result

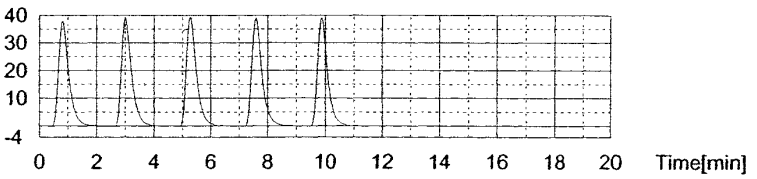
Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:2.485mg/L TC:27.89mg/L IC:25.40mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	93.47	26.81mg/L	50uL	1	E	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 21:26:52
2	96.92	27.82mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 21:29:20
3	97.89	28.10mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 21:31:49
4	97.63	28.03mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 21:34:17
5	96.18	27.60mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 21:36:43

Mean Area 97.16
Mean Conc. 27.89mg/L
SD Conc 0.2241

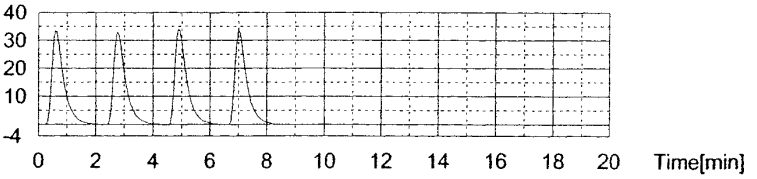


Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	97.13	25.41mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 21:39:27
2	95.95	25.09mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 21:41:46
3	98.13	25.67mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 21:44:04
4	97.25	25.44mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 21:46:23

Mean Area 97.12
Mean Conc. 25.40mg/L
SD Conc 0.2394

10270



Sample

1477

171549

Sample Name: ICV 75 IC
Sample ID: Untitled
Origin: TOC4.met
Status Completed
Chk. Result

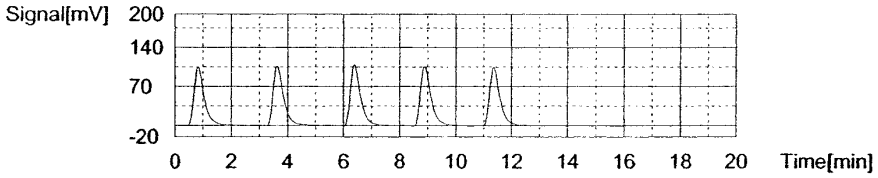
Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:5.193mg/L TC:80.34mg/L IC:75.15mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	267.2	77.47mg/L	50uL	1	E	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 21:52:46
2	276.4	80.15mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 21:55:42
3	278.7	80.82mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 21:58:23
4	279.6	81.08mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 22:01:02
5	273.6	79.33mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 22:03:51

Mean Area 277.1
Mean Conc. 80.34mg/L
SD Conc 0.7814

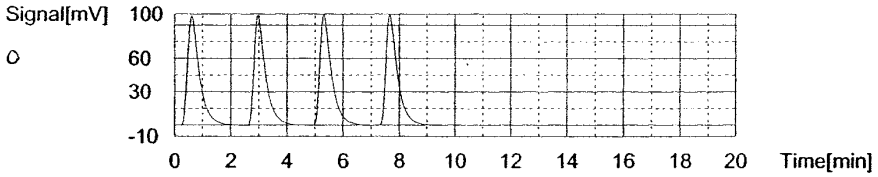


Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	282.7	75.00mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 22:06:41
2	282.9	75.06mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 22:09:05
3	284.3	75.43mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 22:11:34
4	283.1	75.11mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 22:14:04

Mean Area 283.3
Mean Conc. 75.15mg/L
SD Conc 0.1921

100%



Sample

Sample Name: LLCK 1.0
Sample ID: Untitled
Origin: TOC4.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:0.5946mg/L TC:1.205mg/L IC:0.6102mg/L

1. Det

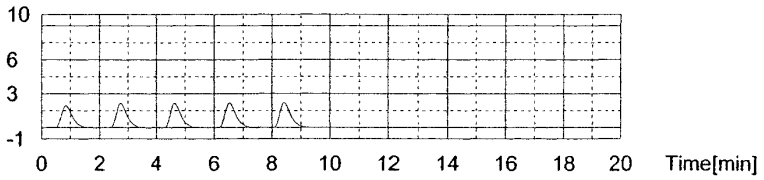
Anal.: TC

1478

171550

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.148	1.062mg/L	50uL	1	E	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 22:19:28
2	5.664	1.212mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 22:21:33
3	5.540	1.176mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 22:23:37
4	5.699	1.222mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 22:25:42
5	5.654	1.209mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 22:27:46

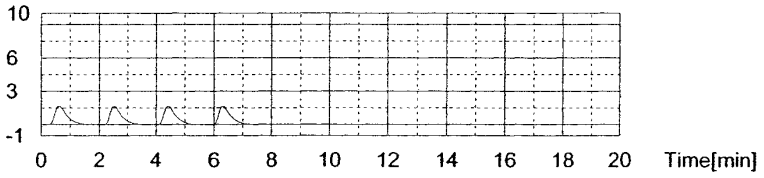
Mean Area 5.639
Mean Conc. 1.205mg/L
SD Conc 0.02009



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.342	0.6061mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 22:30:15
2	4.383	0.6170mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 22:32:20
3	4.381	0.6165mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 22:34:24
4	4.323	0.6010mg/L	50uL	1		IC_Cal_0_1_15_30_60_100.2008_06_04_18	6/4/2008 22:36:29

Mean Area 4.357
Mean Conc. 0.6102mg/L
SD Conc 0.00792



Sample

Sample Name: ICB
Sample ID: Untitled
Origin: TOC4.met
Status Completed
Chk. Result

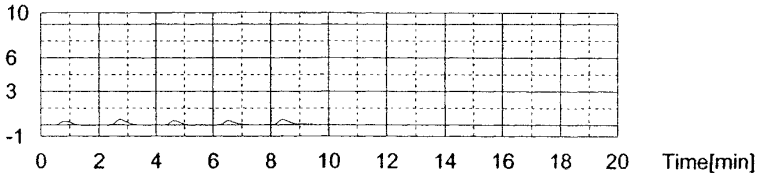
Type	Anal.	Manual Dilution	Result
Unknown	TOC	1.000	TOC:0.3416mg/L TC:-0.1611mg/L IC:-0.5027mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8313	-0.1971mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 22:41:56
2	1.211	-0.08635mg/L	50uL	1	E	TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 22:44:01
3	0.9811	-0.1534mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 22:46:05
4	0.9641	-0.1583mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 22:48:10
5	1.042	-0.1356mg/L	50uL	1		TC_Cal_0_1_15_30_60_100.2008_06_04_17	6/4/2008 22:50:15

Mean Area 0.9546
Mean Conc. -0.1611mg/L
SD Conc 0.02588



Anal.: IC

171551

	Analysis	Sample Name	Sample ID	Result	Date / Time	Vial
1	SSM-TC	080611 TC Cal Curve Solid			6/11/2008 14:02:34	0, 0, 0, 0,
2	SSM-TC	LLC 200 ug		SSM-TC:155.5ug	6/11/2008 14:32:31	0
3	SSM-TC	CCV 10,000 ug	103%	SSM-TC:10272ug	6/11/2008 14:41:35	0
4	SSM-TC	CCB/METHOD BLANK		SSM-TC:-162.4ppm	6/11/2008 15:12:47	0
5	SSM-TC	ICV/LCS 10000PPM	101%	SSM-TC:10082ppm	6/11/2008 15:20:38	0
6	SSM-TC	20806052205 RR		SSM-TC:0.000ppm	6/11/2008 16:16:59	0
7	SSM-TC	20806052208		SSM-TC:21507ppm	6/11/2008 16:40:09	0
8	SSM-TC	20806052209		SSM-TC:10658ppm	6/11/2008 16:47:56	0
9	SSM-TC	20806052210		SSM-TC:6662ppm	6/11/2008 16:55:31	0
10	SSM-TC	20806052211 Post Filtration		SSM-TC:22685ppm	6/11/2008 17:05:14	0
11	SSM-TC	20806052205 RR		SSM-TC:16325ppm	6/11/2008 17:14:26	0
12	SSM-TC	20806052205 DUP 1		SSM-TC:16981ppm	6/11/2008 17:26:42	0
13	SSM-TC	20806052205 DUP 2		SSM-TC:11629ppm	6/11/2008 17:44:07	0
14	SSM-TC	20806052205 DUP 3		SSM-TC:12296ppm	6/11/2008 18:05:21	0
15	SSM-TC	20806052205 DUP 4		SSM-TC:15318ppm	6/11/2008 18:15:54	0
16	SSM-TC	20806052205 Dup 2		SSM-TC:15993ppm	6/11/2008 18:35:35	0
17	SSM-TC	CCV 10000 ug	103%	SSM-TC:10329ug	6/11/2008 18:53:05	0
18	SSM-TC	CCB		SSM-TC:-162.4ug	6/11/2008 19:00:31	

TOC Solid

Instr.Information

System	SSM
Instrument Options	TOC/SSM/
Catalyst	Regular Sensitivity

Cal. Curve

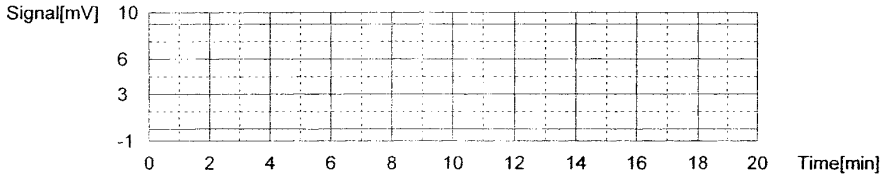
Sample Name:	080611 TC Cal Curve Solid
Sample ID:	
Cal. Curve:	TOCS0611.2008_06_11_13_19_03.cal
Status	Completed

Type	Anal.
Standard	SSM-TC

AbsC: 0.000ug

No.	Area	CNV	Weight	Rem.	Ex.	Date / Time
1	0.000	0.000	0.000mg	*******		6/11/2008 13:25:37

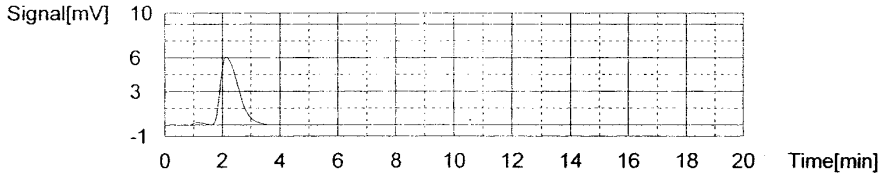
Mean Area 0.000
Mean CNV 0.000



AbsC: 80.00ug

No.	Area	CNV	Weight	Rem.	Ex.	Date / Time
1	26.21	26.21	0.2000mg	*******		6/11/2008 13:34:22

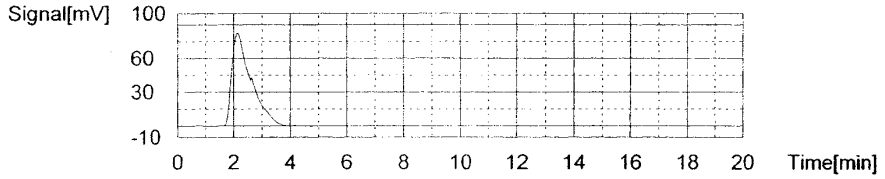
Mean Area 26.21
Mean CNV 26.21



AbsC: 4400ug

No.	Area	CNV	Weight	Rem.	Ex.	Date / Time
1	390.4	390.4	11.00mg	*******		6/11/2008 13:40:17

Mean Area 390.4
Mean CNV 390.4

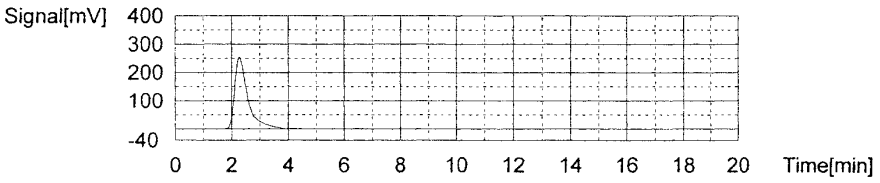


AbsC: 9800ug

No.	Area	CNV	Weight	Rem.	Ex.	Date / Time
1	822.5	822.5	24.50mg	*******		6/11/2008 13:46:46

171553

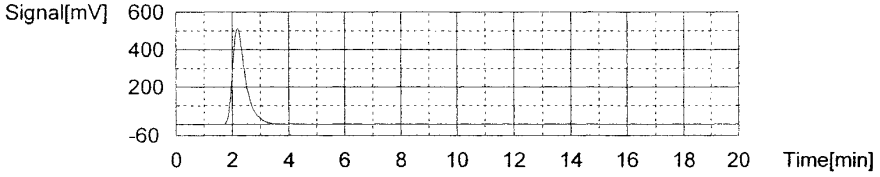
Mean Area 822.5
Mean CNV 822.5



AbsC: 20360ug

No.	Area	CNV	Weight	Rem.	Ex.	Date / Time
1	1677	1677	50.90mg	*******		6/11/2008 13:55:08

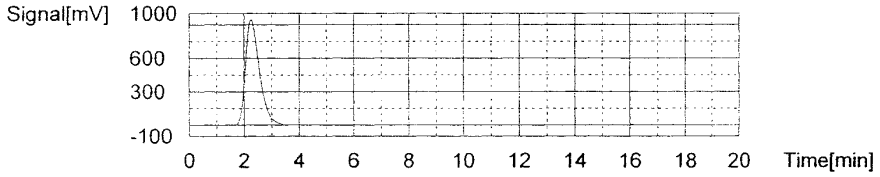
Mean Area 1677
Mean CNV 1677



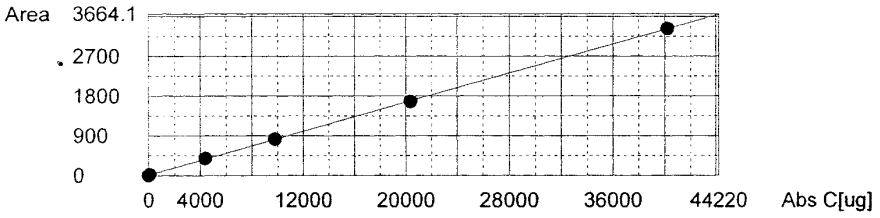
AbsC: 40200ug

No.	Area	CNV	Weight	Rem.	Ex.	Date / Time
1	3331	3331	100.5mg	*******		6/11/2008 14:02:34

Mean Area 3331
Mean CNV 3331



Slope: 0.08240
Intercept 13.38
r^2 0.9999
r 1.0000
Zero Shift No



Sample

Sample Name: LLC 200 ug
Sample ID:
Origin: TOCS0611.cal
Status Completed
Chk. Result

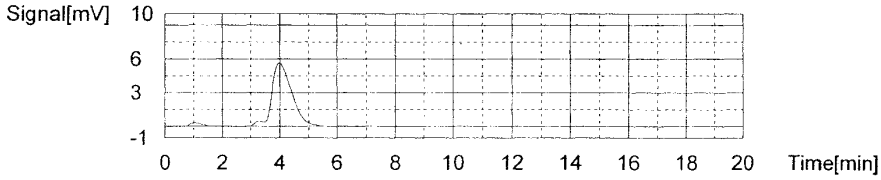
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:155.5ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.5366	0.5366	-155.9ug	-155.9ug	100.0mg	100uL	E	TOCS0611.2008_06_11_13_19_03.cal	6/11/2008 14:26:28
2	26.19	26.19	155.5ug	155.5ug	100.0mg	100uL		TOCS0611.2008_06_11_13_19_03.cal	6/11/2008 14:32:31

Mean Area 26.19
Mean CNV 26.19
Mean Conc. 155.5ug



Sample

Sample Name: CCV 10,000 ug
Sample ID:
Origin: TOCS0611.cal
Status Completed
Chk. Result

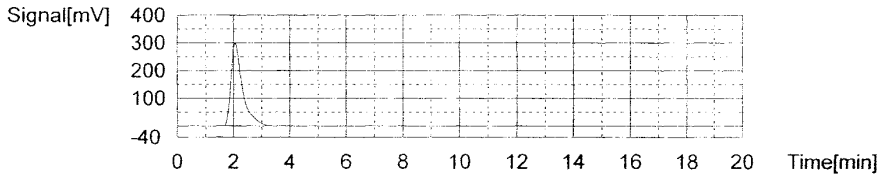
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:10272ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	859.8	859.8	10272ug	10272ug	100.0mg	100uL		TOCS0611.2008_06_11_13_19_03.cal	6/11/2008 14:41:35

Mean Area 859.8
Mean CNV 859.8
Mean Conc. 10272ug



Sample

Sample Name: CCB/METHOD BLANK
Sample ID:
Origin: TOCS0611.cal
Status Completed
Chk. Result

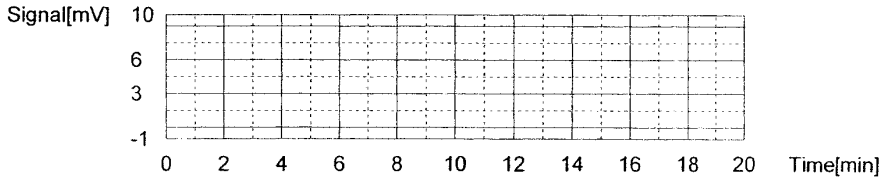
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:-162.4ppm

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	-162.4ug	-162.4ppm	1000mg	1000uL		TOCS0611.2008_06_11_13_19_03.cal	6/11/2008 15:12:47

Mean Area 0.000
Mean CNV 0.000
Mean Conc. -162.4ppm



Sample

Sample Name: ICV/LCS 10000PPM
Sample ID:
Origin: TOCS0611.cal
Status Completed
Chk. Result

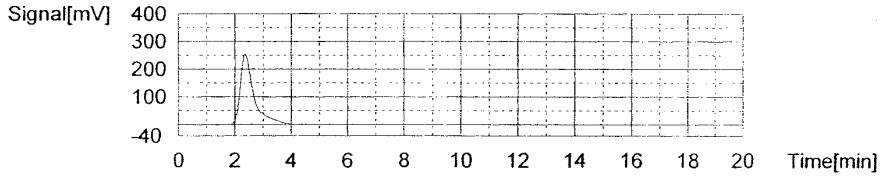
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:10082ppm

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	844.1	844.1	10082ug	10082ppm	1000mg	1000uL		TOCS0611.2008_06_11_13_19_03.cal	6/11/2008 15:20:38

Mean Area 844.1
Mean CNV 844.1
Mean Conc. 10082ppm



Sample

Sample Name: 20806052205
Sample ID:
Origin: TOCS0611.cal
Status Aborted
Chk. Result

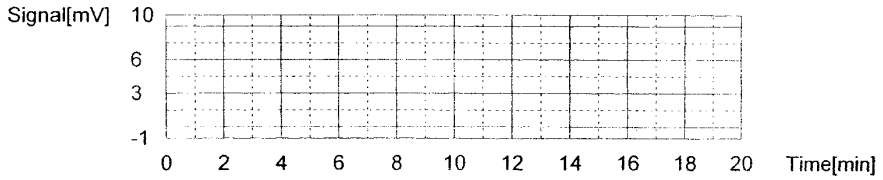
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:0.000ppm

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time

Mean Area 0.000
Mean CNV 0.000
Mean Conc. 0.000ppm



Sample

Sample Name: 20806052208
Sample ID:
Origin: TOCS0611.cal
Status Completed
Chk. Result

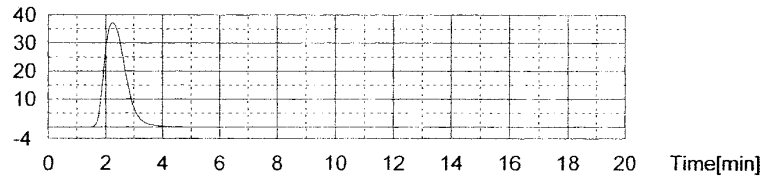
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:21507ppm

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	190.6	190.6	2151ug	21507ppm	100.0mg	100uL		TOCS0611.2008_06_11_13_19_03.cal	6/11/2008 16:40:09

Mean Area 190.6
Mean CNV 190.6
Mean Conc. 21507ppm



Sample

Sample Name: 20806052209
Sample ID:
Origin: TOCS0611.cal
Status Completed
Chk. Result

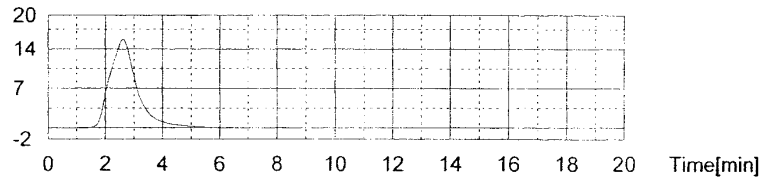
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:10658ppm

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	101.2	101.2	1066ug	10658ppm	100.0mg	100uL		TOCS0611.2008_06_11_13_19_03.cal	6/11/2008 16:47:56

Mean Area 101.2
Mean CNV 101.2
Mean Conc. 10658ppm



Sample

171557

Sample Name: 20806052210
Sample ID:
Origin: TOCS0611.cal
Status Completed
Chk. Result

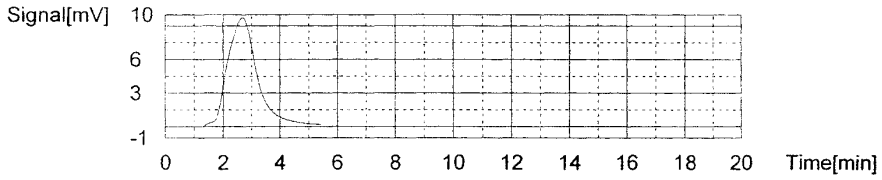
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:6662ppm

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	68.27	68.27	666.2ug	6662ppm	100.0mg	100uL		TOCS0611.2008_06_11_13_19_03.cal	6/11/2008 16:55:31

Mean Area 68.27
Mean CNV 68.27
Mean Conc. 6662ppm



Sample

Sample Name: 20806052211
Sample ID:
Origin: TOCS0611.cal
Status Completed
Chk. Result

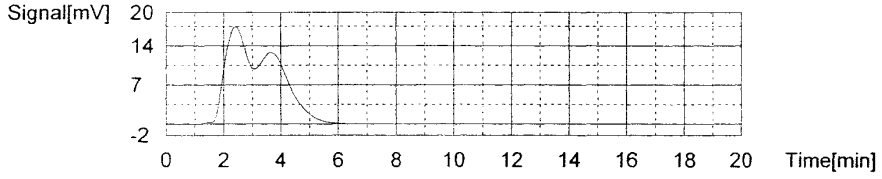
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:22685ppm

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	200.3	200.3	2268ug	22685ppm	100.0mg	100uL		TOCS0611.2008_06_11_13_19_03.cal	6/11/2008 17:05:14

Mean Area 200.3
Mean CNV 200.3
Mean Conc. 22685ppm



Sample

Sample Name: 20806052205
Sample ID:
Origin: TOCS0611.cal
Status Completed
Chk. Result

171558

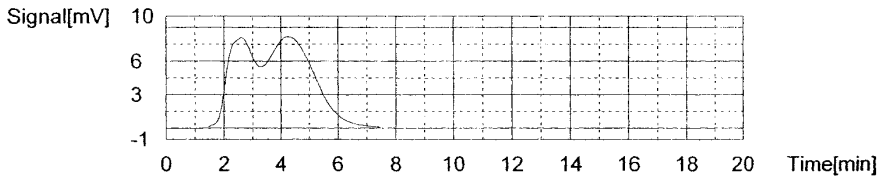
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:16325ppm

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	147.9	147.9	1633ug	16325ppm	100.0mg	100uL		TOCS0611.2008_06_11_13_19_03.cal	6/11/2008 17:14:26

Mean Area 147.9
Mean CNV 147.9
Mean Conc. 16325ppm



Sample

Sample Name: 20806052205 DUP 1
Sample ID:
Origin: TOCS0611.cal
Status Completed
Chk. Result

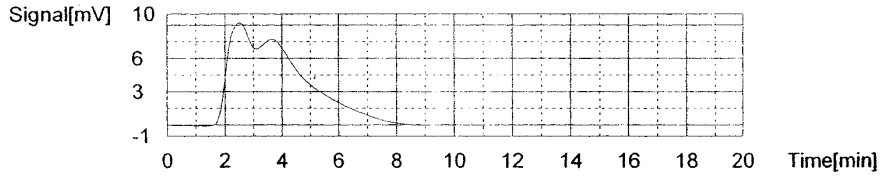
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:16981ppm

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	153.3	153.3	1698ug	16981ppm	100.0mg	100uL		TOCS0611.2008_06_11_13_19_03.cal	6/11/2008 17:26:42

Mean Area 153.3
Mean CNV 153.3
Mean Conc. 16981ppm



Sample

Sample Name: 20806052205 DUP 2
Sample ID:
Origin: TOCS0611.cal
Status Completed
Chk. Result

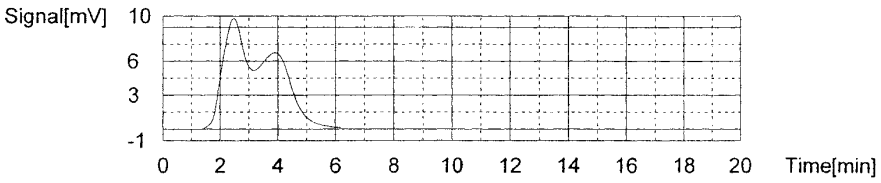
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:11629ppm

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	109.2	109.2	1163ug	11629ppm	100.0mg	100uL		TOCS0611.2008_06_11_13_19_03.cal	6/11/2008 17:44:07

Mean Area 109.2
Mean CNV 109.2
Mean Conc. 11629ppm



Sample

Sample Name: 20806052205 DUP 3
Sample ID:
Origin: TOCS0611.cal
Status Completed
Chk. Result

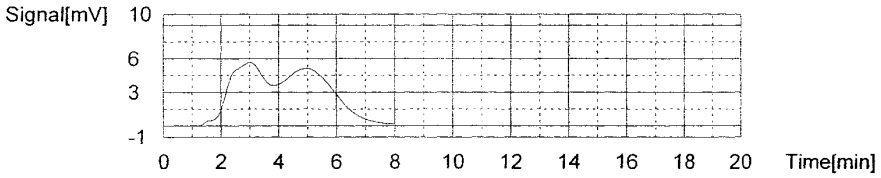
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:12296ppm

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	114.7	114.7	1230ug	12296ppm	100.0mg	100uL		TOCS0611.2008_06_11_13_19_03.cal	6/11/2008 18:05:21

Mean Area 114.7
Mean CNV 114.7
Mean Conc. 12296ppm



Sample

Sample Name: 20806052205 DUP 4
Sample ID:
Origin: TOCS0611.cal
Status Completed
Chk. Result

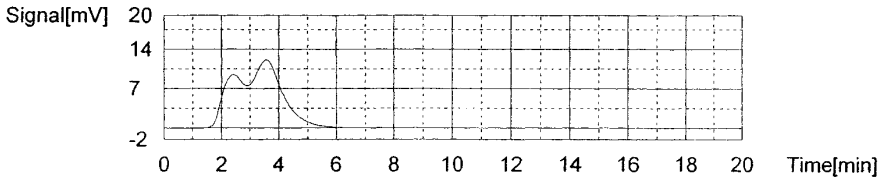
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:15318ppm

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	139.6	139.6	1532ug	15318ppm	100.0mg	100uL		TOCS0611.2008_06_11_13_19_03.cal	6/11/2008 18:15:54

Mean Area 139.6
Mean CNV 139.6
Mean Conc. 15318ppm



Sample

Sample Name: 20806052205
Sample ID:
Origin: TOCS0611.cal
Status Completed
Chk. Result

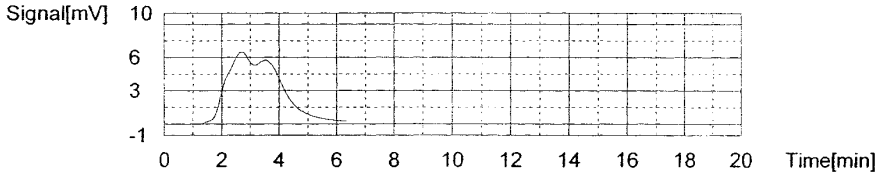
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	2.000	1.000mg/uL	SSM-TC:15993ppm

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	79.27	79.27	799.6ug	15993ppm	100.0mg	100uL		TOCS0611.2008_06_11_13_19_03.cal	6/11/2008 18:35:35

Mean Area 79.27
Mean CNV 79.27
Mean Conc. 15993ppm



Sample

Sample Name: CCV 10000 ug
Sample ID:
Origin: TOCS0611.cal
Status Completed
Chk. Result

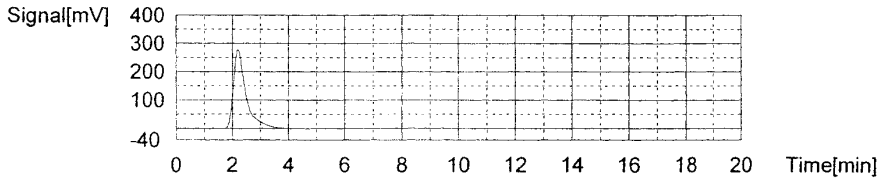
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:10329ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	864.5	864.5	10329ug	10329ug	0.000mg	0uL		TOCS0611.2008_06_11_13_19_03.cal	6/11/2008 18:53:05

Mean Area	864.5
Mean CNV	864.5
Mean Conc.	10329ug



Sample

Sample Name:	CCB
Sample ID:	
Origin:	TOCS0611.cal
Status	Completed
Chk. Result	

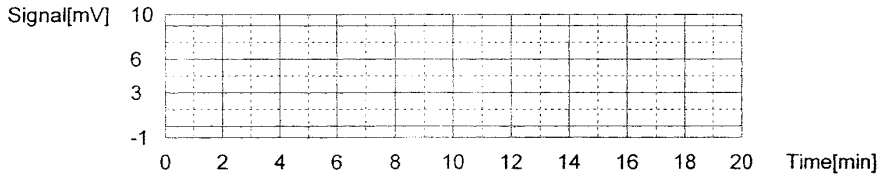
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:-162.4ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	-162.4ug	-162.4ug	1000mg	1000uL		TOCS0611.2008_06_11_13_19_03.cal	6/11/2008 19:00:31

Mean Area	0.000
Mean CNV	0.000
Mean Conc.	-162.4ug



171562

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and Associates
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LETTER OF TRANSMITTAL

11955 LAKELAND PARK BLVD., SUITE 100, BATON ROUGE , LA 70809, TELEPHONE: (225) 293-2460, FAX: (225) 293-2463 www.geoengineers.com

To: Ms. Elizabeth P. Martin
Gulf Coast Analytical Laboratories, Inc.
7979 GSRI Avenue
Baton Rouge, Louisiana 70820

Date: June 11, 2008

File: 16257-001-00

Regarding: Laboratory Testing

We are sending: ☒ Attached ☐ Under Separate Cover

Copies	Date	Description
1 each		Laboratory data relative to the above.

These are transmitted as checked below:

☒ For Your Use ☒ As Requested ☐ Returned

☐ For Review and Comment ☐ Other (see remarks)

We are sending via:

☐ US Mail ☐ Overnight ☐ Courier

Remarks:

Copy To:

Signed: David S. Eley

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171563

PROJECT NO. 16257-001-00
FILE NO. 08-75
TABLE 6

LABORATORY DATA
% Passing No. 200 Sieve
ASTM D 1140
Method A

GCAL SAMPLE DESCRIPTION	CAPOZZOLI SAMPLE NO.	% PASSING NO. 200 SIEVE	NOTES
4SWED3	1	82.3	In addition to the fine sand retained in the #200 sieve, trace amounts of shell fragments and organic matter were present.
2WSED8	2	97.2	
2WSED10	3	96.3	
4SWED2	4	88.1	In addition to the fine sand retained in the #200 sieve, trace amounts of organic matter were present.
SE600	5	95.5	

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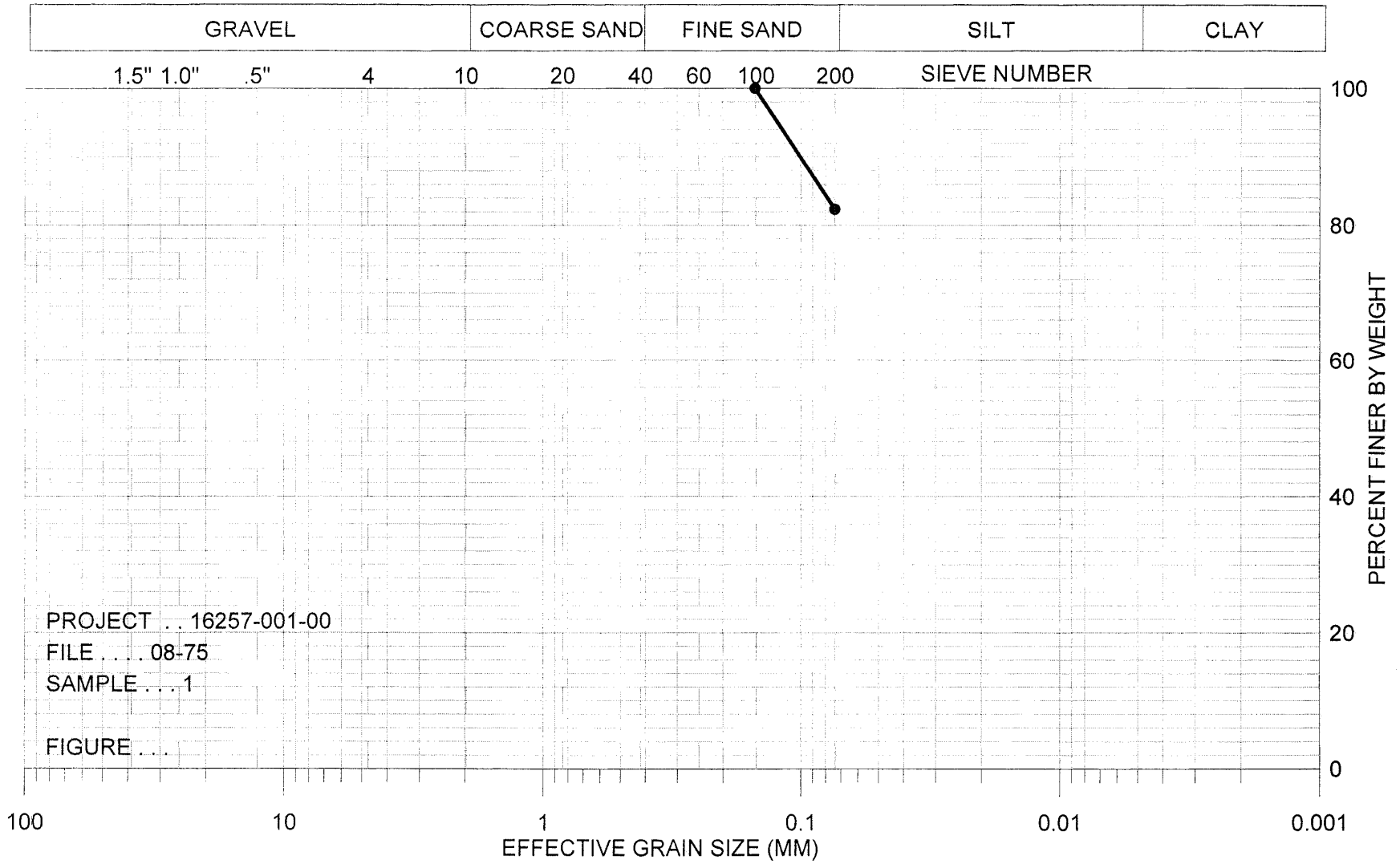
1492

171564

GRAIN SIZE CURVE



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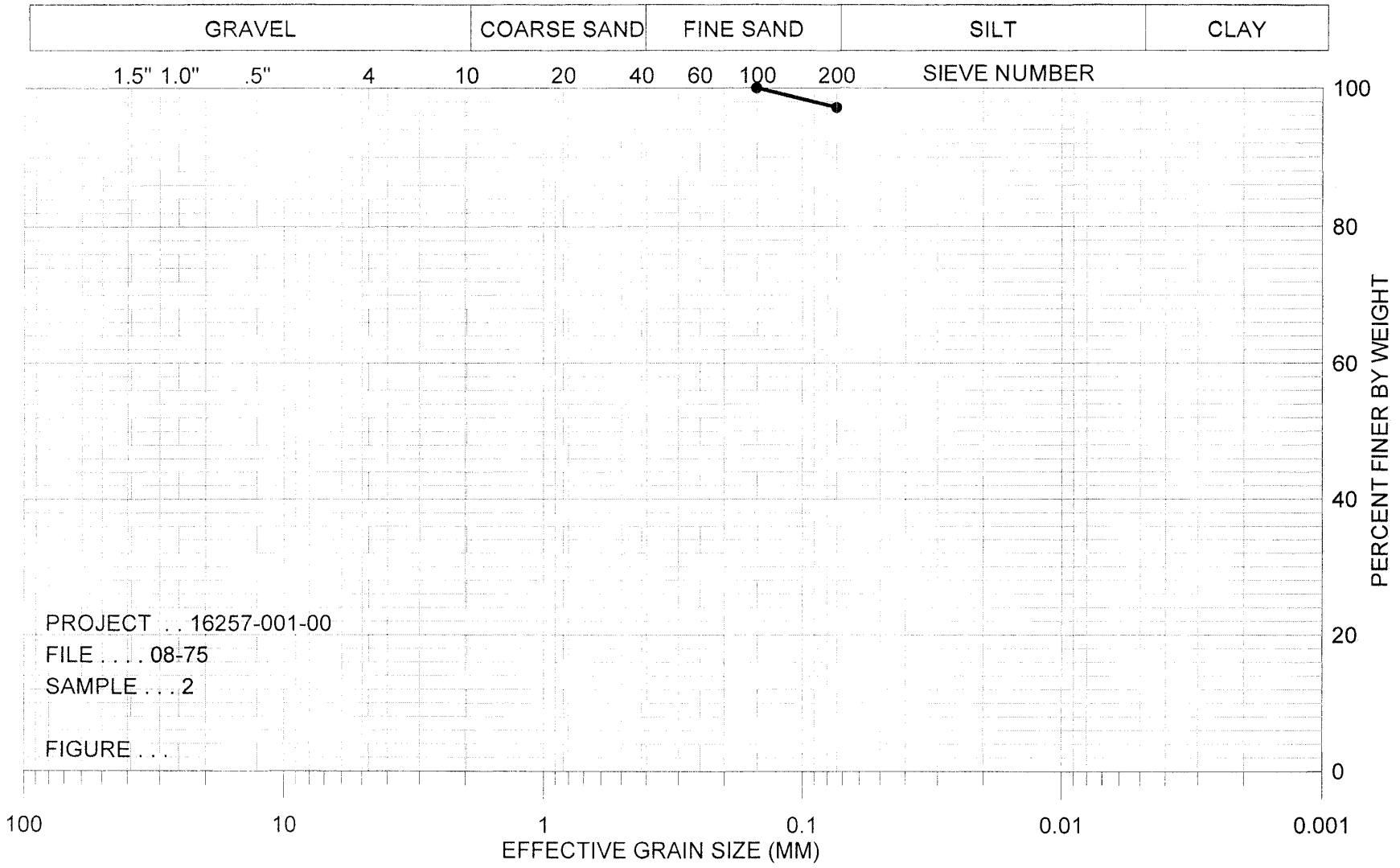
171565

GRAIN SIZE CURVE



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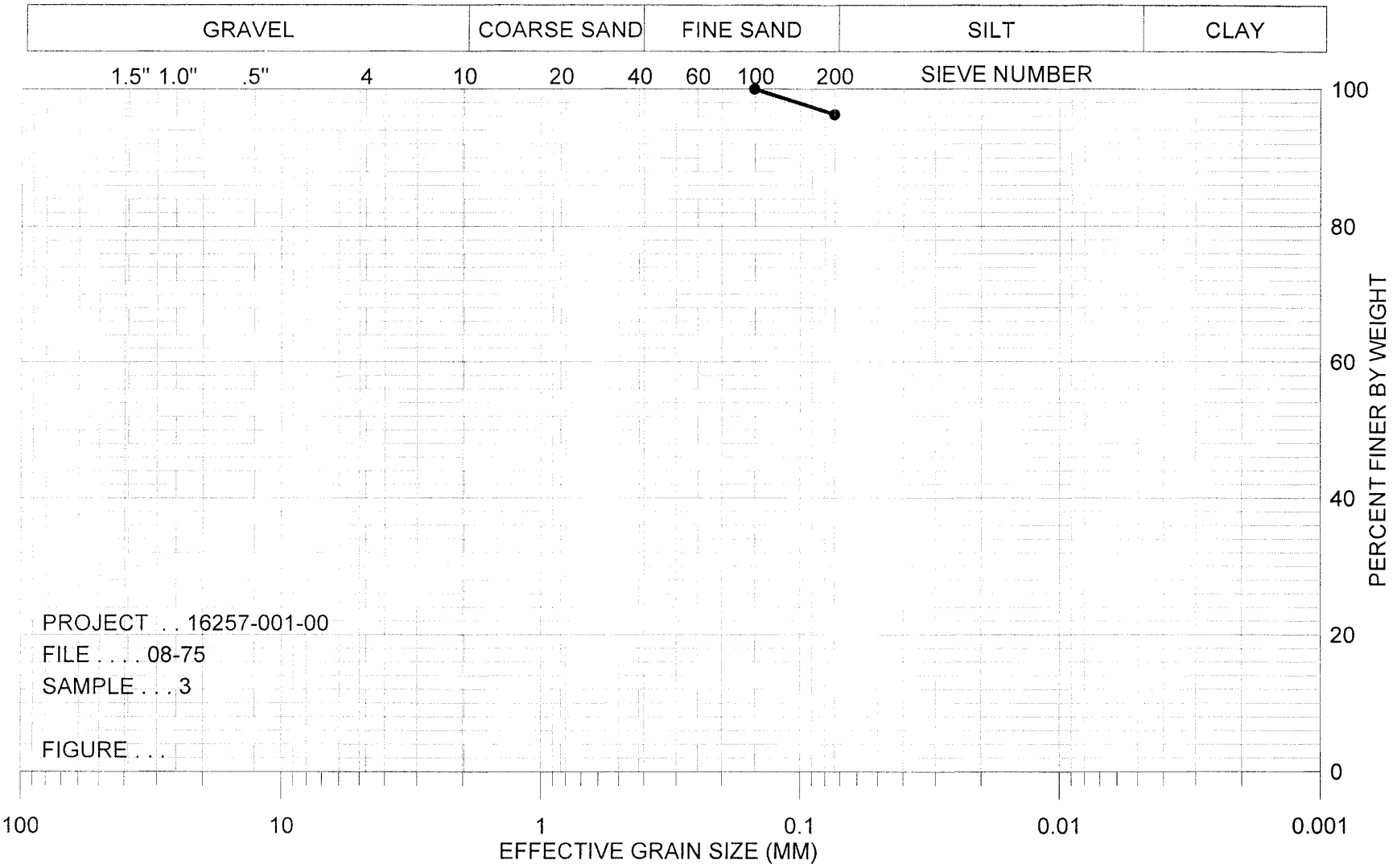
171566

GRAIN SIZE CURVE



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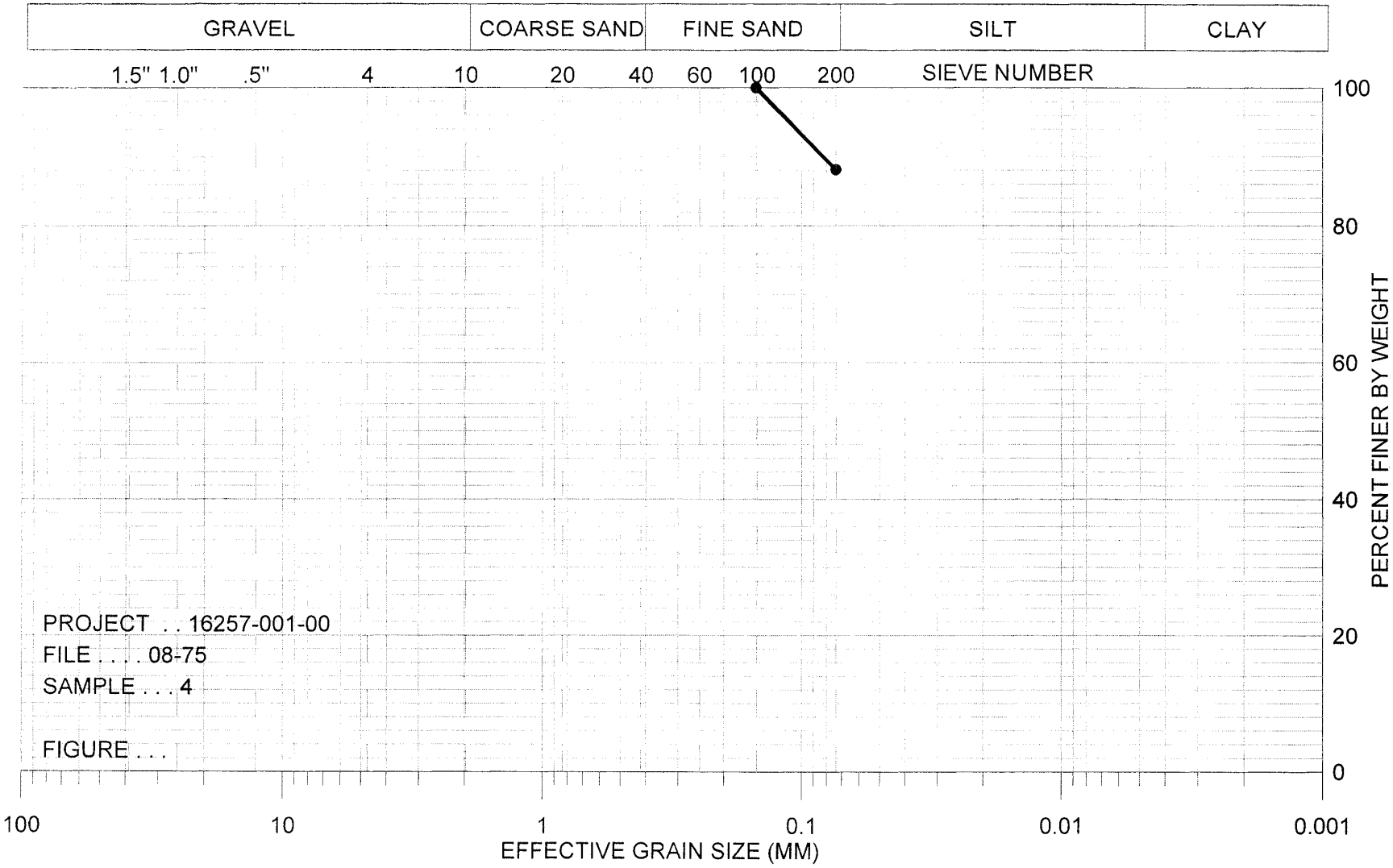
1495

171567

GRAIN SIZE CURVE



1496

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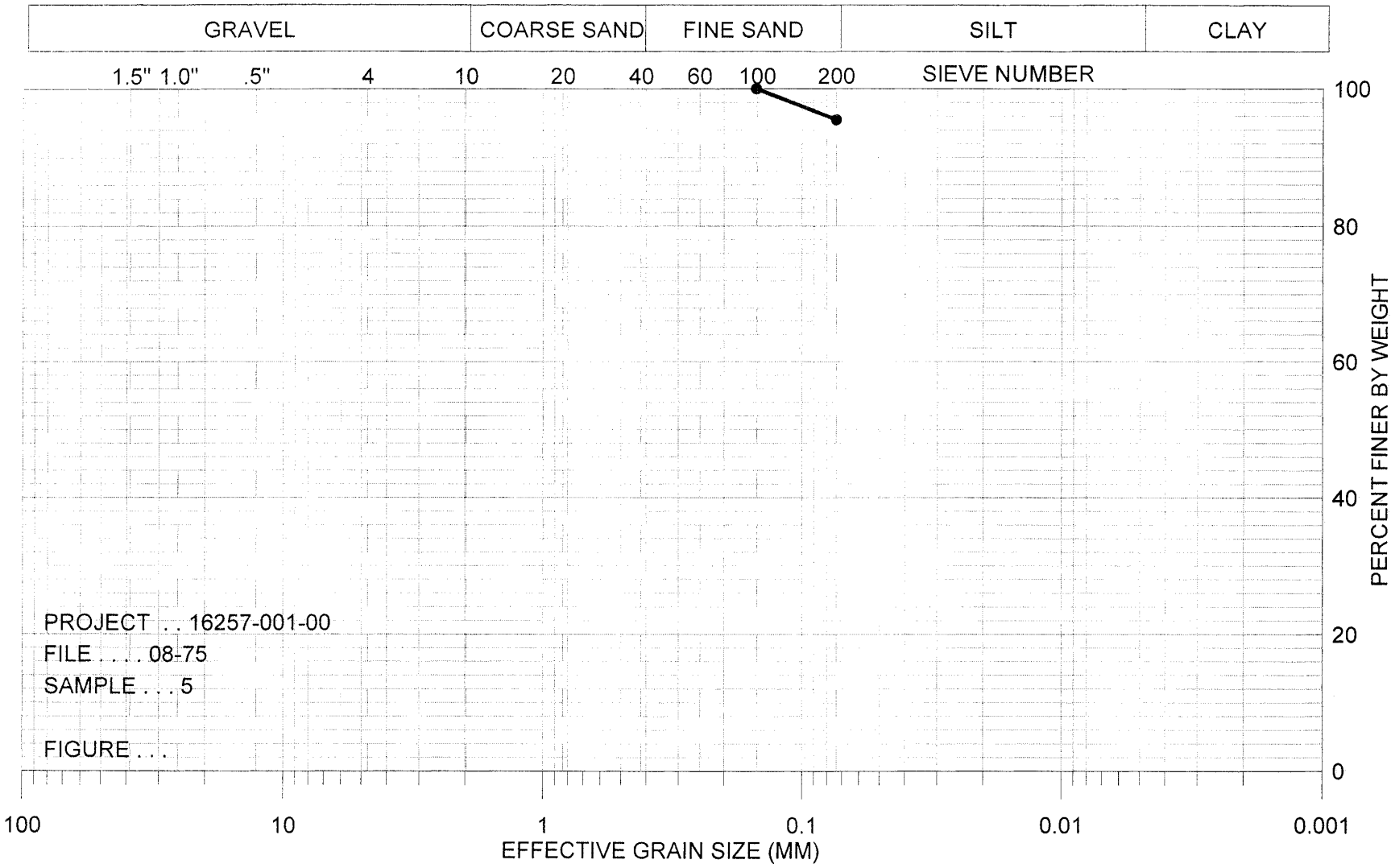
171568

GRAIN SIZE CURVE



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171569

PBW/7482/20806052 22/6-10-08

CHAIN-OF-CUSTODY RECORD AND REQUEST FOR ANALYSIS

PASTOR, BEHLING & WHEELER, LLC

001030

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
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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.: 13525J PROJECT NAME: Gulco PAGE: 1 OF: 2

SAMPLER (Signature): [signature] PROJECT MANAGER: Eric Pastor DATE: 6/4/08

METHOD OF SHIPMENT: FedEx CARRIER/WAYBILL NO.: — DESTINATION: GCAC

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.			HOLD	RUSH	STANDARD	
	Shell 1	6/4/08	1050	OT				✓		2	G	1		See attached list		✓		See attached list 1
	Shell 2		1015	↓				✓		2	|	1				✓		2
	Shell 3		1020	↓				✓		2	|	1				✓		3
*	4WSED 1 (0-0.5)		1040	SE				✓		2	|	1				✓		4
*	4 WSED 3 (0-0.5)		1200	SE				✓		V	|	9				✓		MS/MSD 5, 6, 7
*	4 WSED 2 (0-0.5)		1245	↓				✓		V	|	3				✓		8
	SE600		—	↓				✓		V	|	3				✓		9
*	8 W SED 8 ~~(0-0.5)~~ (1-2)		1345	↓				✓		V	|	3				✓		10
	V = various				TOTAL NUMBER OF CONTAINERS									LABORATORY COMMENTS/CONDITION OF SAMPLES				Cooler Temp:

RELINQUISHED BY:			DATE	TIME	RECEIVED BY:		
SIGNATURE	PRINTED NAME	COMPANY			SIGNATURE	PRINTED NAME	COMPANY
[signature]	Eric Pastor	PBW	6/4/08	1645			
FedEx			6-5-08	857	[signature]	Michelle Rabeir	GCAC
							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

* ID correction per client request.
Email attached.
EPM 6/11/08

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PBW14482/208060522/6-10-08

CHAIN-OF-CUSTODY RECORD AND REQUEST FOR ANALYSIS

PASTOR, BEHLING & WHEELER, LLC

001031

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.: 1352J4 PROJECT NAME: GUHCO PAGE: 2 OF: 2

SAMPLER (Signature): [signature] PROJECT MANAGER: Eric Pastor DATE: 6/4/

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 1440	Matrix*	HCl	HNO_3	H_2SO_4	COLD		FILTRATION*	VOLUME (ml/oz)	TYPE*	NO.	VOCs					HOLD	RUSH	STANDARD	
*	2W SED 10 (1-2)	6/4/08	~~1547~~	SE							✓	✓	3	See Attached						✓		11
	SE-060408-EB		1530	↓									9							✓		12
	SE-060408 FB		1535	↓									9							✓		13
	Trip Blank-1		—	AQ									3	✓						✓		14
	Trip Blank 2		—	↓									3	✓						✓		15
	Trip Blank 3	↓	—	↓									3	✓						✓		16
					TOTAL NUMBER OF CONTAINERS									LABORATORY COMMENTS/CONDITION OF SAMPLES								Cooler Temp:

RELINQUISHED BY:			DATE	TIME	RECEIVED BY:		
SIGNATURE	PRINTED NAME	COMPANY			SIGNATURE	PRINTED NAME	COMPANY
[signature]	Eric Pasto	PBW	6/4/08	1645			
FedEx			6-5-08	857	[signature]	Michelle Raboin	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

* ID correction per client request email attached EPM 06/11/08

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TABLE 3 - PROPOSED WETLAND SEDIMENT SAMPLE ANALYSES

Sample Location(s)	Sample Depth (ft)	Analytical Parameter
4WSED1	0-0.5	Zinc
4WSED2, 4WSED3	0-0.5	VOCs[1] SVOCs[2] Pesticides[3] Metals[4] PCBs[5] Grain-size Total organic carbon

Notes:
(1) All VOCs listed in Table B-4 of Field Sampling Plan
(2) All SVOCs listed in Table B-4 of Field Sampling Plan
(3) All pesticides listed in Table B-4 of Field Sampling Plan
(4) All metals listed in Table B-4 of Field Sampling Plan except chromium (VI)
(5) All PCBs listed in Table B-4 of Field Sampling Plan

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PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	208060522	**Type:**	D
Desc:		**Report:**	REVIEW_RPT
Work ID:	Gulfco Marine Maintenance Site	**Status:**	WP
Project Seq:	73436	**Created:**	6/5/2008 9:45
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**
20806052201-1	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20806052202-1	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20806052203-1	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20806052204-1	2	NONE			X			X	OK
20806052204-2	16	NONE			X			X	OK
20806052204-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20806052205-1	2	NONE			X			X	OK
20806052205-2	16	NONE			X			X	OK
20806052205-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20806052206-1	2	NONE			X			X	OK
20806052206-2	16	NONE			X			X	OK
20806052206-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20806052207-1	2	NONE			X			X	OK
20806052207-2	16	NONE			X			X	OK
20806052207-3	4	NONE			X			X	OK

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20806052208-1	2	NONE			X			X	OK
20806052208-2	16	NONE			X			X	OK
20806052208-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20806052209-1	2	NONE			X			X	OK
20806052209-2	16	NONE			X			X	OK
20806052209-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20806052210-1	2	NONE			X			X	OK
20806052210-2	16	NONE			X			X	OK
20806052210-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20806052211-1	2	NONE			X			X	OK
20806052211-2	16	NONE			X			X	OK
20806052211-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20806052212-1	4	HCL	✓					X	OK
20806052212-2	OC	HNO3	✓					X	OK
20806052212-3	LA	NONE			X			X	OK
20806052212-4	LA	NONE			X			X	OK
20806052212-5	LA	NONE			X			X	OK
20806052212-6	40	HCL			✓	✓			OK
20806052212-7	40	HCL			✓	✓			OK
20806052212-8	40	HCL			✓				OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20806052213-1	4	HCL	✓					X	OK
20806052213-2	OC	HNO3	✓					X	OK
20806052213-3	LA	NONE			X			X	OK
20806052213-4	LA	NONE			X			X	OK
20806052213-5	LA	NONE			X			X	OK
20806052213-6	40	HCL			✓	✓			OK
20806052213-7	40	HCL			✓	✓			OK
20806052213-8	40	HCL			✓	✓			OK

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			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20806052214-1	40	HCL			✓	✓			OK
20806052214-2	40	HCL			-	✓			OK
20806052214-3	40	HCL			✓	✓			OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20806052215-1	40	HCL			✓	✓			OK
20806052215-2	40	HCL			✓	-			OK
20806052215-3	40	HCL			✓	-			OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20806052216-1	40	HCL			✓	✓			OK
20806052216-2	40	HCL			✓	-			OK
20806052216-3	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 A CUSTODIAN mr

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 07/15/2008

GCAL Report 208071047

Deliver To	Pastor, Behling, & Wheeler 2201 Double Creek Drive Suite 4004 Round Rock, TX 78664 512-671-3434
Attn	Jen Pavesi

Customer Pastor, Behling, & Wheeler

Project Gulfco Marine Maintenance Site

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 208071047

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.

METALS

In the SW-846 6010B analysis for prep batch 392525, the MS and/or MSD recoveries were outside the control limits for Antimony and Boron. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. A post-digestion spike was performed on the QC sample for this batch with recoveries of 88% for Antimony and 85% for Boron.

In the SW-846 6010B analysis for prep batch 392477, the MS and/or MSD recoveries were outside the control limits for Antimony and Boron. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. A post-digestion spike was performed on the QC sample for this batch with recoveries of 85% for Antimony and 83% for Boron.

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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 208071047

THIS REPORT CONTAINS 31 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20807104701	4WSED3 (0-0.5)A	Solid	06/04/2008 12:00	06/05/2008 08:57
20807104702	4WSED3 (0-0.5)B	Solid	06/04/2008 12:00	06/05/2008 08:57
20807104703	4WSED3 (0-0.5)MS A	Solid	06/04/2008 12:00	06/05/2008 08:57
20807104704	4WSED3 (0-0.5)MS B	Solid	06/04/2008 12:00	06/05/2008 08:57
20807104705	4WSED3 (0-0.5)MSD A	Solid	06/04/2008 12:00	06/05/2008 08:57
20807104706	4WSED3 (0-0.5)MSD B	Solid	06/04/2008 12:00	06/05/2008 08:57
20807104707	4WSED2 (0-0.5)A	Solid	06/04/2008 12:45	06/05/2008 08:57
20807104708	4WSED2 (0-0.5)B	Solid	06/04/2008 12:45	06/05/2008 08:57
20807104709	2WSED8 (1-2) A	Solid	06/04/2008 13:45	06/05/2008 08:57
20807104710	2WSED8 (1-2) B	Solid	06/04/2008 13:45	06/05/2008 08:57
20807104711	2WSED10 (1-2) A	Solid	06/04/2008 14:40	06/05/2008 08:57
20807104712	2WSED10 (1-2) B	Solid	06/04/2008 14:40	06/05/2008 08:57

U.S. EPA - CLP
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208071047

SOW No.:

EPA Sample No.	*Lab Sample ID*
4WSED3 (0-0.5)A	20807104701
4WSED3 (0-0.5)B	20807104702
4WSED3 (0-0.5)MS A	20807104703
4WSED3 (0-0.5)MS B	20807104704
4WSED3 (0-0.5)MSD A	20807104705
4WSED3 (0-0.5)MSD B	20807104706
4WSED2 (0-0.5)A	20807104707
4WSED2 (0-0.5)B	20807104708
2WSED8 (1-2) A	20807104709
2WSED8 (1-2) B	20807104710
2WSED10 (1-2) A	20807104711
2WSED10 (1-2) B	20807104712

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: 4WSED3 (0-0.5)A

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208071047

Level: (low / med) | % Solids: 85.80 | Lab Sample ID: 20807104701

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1200

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Antimony	1.44	mg/kg	B	0.19	2.80	SW-846 6010B	P
Boron	4.66	mg/kg	U	1.29	4.66	SW-846 6010B	P
Selenium	1.86	mg/kg	U	0.16	1.86	SW-846 6010B	P
Tin	4.61	mg/kg	B	0.78	4.66	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED3 (0-0.5)B

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208071047

Level: (low / med) | % Solids: 85.80 | Lab Sample ID: 20807104702

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1200

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Antimony	1.04	mg/kg	B	0.19	2.80	SW-846 6010B	P
Boron	4.66	mg/kg	U	1.29	4.66	SW-846 6010B	P
Selenium	1.86	mg/kg	U	0.16	1.86	SW-846 6010B	P
Tin	3.87	mg/kg	B	0.78	4.66	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED3 (0-0.5)MS A

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208071047

Level: (low / med) | % Solids: 85.80 | Lab Sample ID: 20807104703

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1200

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Antimony	6.25	mg/kg		0.19	2.80	SW-846 6010B	P
Boron	78.8	mg/kg		1.29	4.66	SW-846 6010B	P
Selenium	20.4	mg/kg		0.16	1.86	SW-846 6010B	P
Tin	25.0	mg/kg		0.78	4.66	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED3 (0-0.5)MS B

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208071047

Level: (low / med) | % Solids: 85.80 | Lab Sample ID: 20807104704

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1200

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Antimony	5.34	mg/kg		0.19	2.80	SW-846 6010B	P
Boron	71.8	mg/kg		1.29	4.66	SW-846 6010B	P
Selenium	19.2	mg/kg		0.16	1.86	SW-846 6010B	P
Tin	22.7	mg/kg		0.78	4.66	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED3 (0-0.5)MSD A

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208071047

Level: (low / med) | % Solids: 85.80 | Lab Sample ID: 20807104705

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1200

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Antimony	6.25	mg/kg		0.19	2.80	SW-846 6010B	P
Boron	76.2	mg/kg		1.29	4.66	SW-846 6010B	P
Selenium	21.0	mg/kg		0.16	1.86	SW-846 6010B	P
Tin	25.3	mg/kg		0.78	4.66	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED3 (0-0.5)MSD B

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208071047

Level: (low / med) | % Solids: 85.80 | Lab Sample ID: 20807104706

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1200

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Antimony	5.75	mg/kg		0.19	2.80	SW-846 6010B	P
Boron	72.7	mg/kg		1.29	4.66	SW-846 6010B	P
Selenium	20.5	mg/kg		0.16	1.86	SW-846 6010B	P
Tin	24.4	mg/kg		0.78	4.66	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED2 (0-0.5)A

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208071047

Level: (low / med) | % Solids: 66.70 | Lab Sample ID: 20807104707

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1245

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Antimony	0.65	mg/kg	B	0.24	3.60	SW-846 6010B	P
Boron	13.5	mg/kg		1.66	6.00	SW-846 6010B	P
Selenium	2.40	mg/kg	U	0.21	2.40	SW-846 6010B	P
Tin	3.64	mg/kg	B	1.00	6.00	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 4WSED2 (0-0.5)B

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208071047

Level: (low / med) | % Solids: 66.64 | Lab Sample ID: 20807104708

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1245

Analyte	*Concentration*	*Units*	*C*	*MDL*	*PQL*	*Method*	*Type*
Antimony	0.65	mg/kg	B	0.24	3.60	SW-846 6010B	P
Boron	13.4	mg/kg		1.66	6.00	SW-846 6010B	P
Selenium	2.40	mg/kg	U	0.21	2.40	SW-846 6010B	P
Tin	2.99	mg/kg	B	1.00	6.00	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED8 (1-2) A

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208071047

Level: (low / med) | % Solids: 73.59 | Lab Sample ID: 20807104709

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1345

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Antimony	1.01	mg/kg	B	0.21	3.24	SW-846 6010B	P
Boron	5.39	mg/kg	U	1.49	5.39	SW-846 6010B	P
Selenium	2.16	mg/kg	U	0.18	2.16	SW-846 6010B	P
Tin	3.45	mg/kg	B	0.90	5.39	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED8 (1-2) B

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208071047

Level: (low / med) | % Solids: 73.59 | Lab Sample ID: 20807104710

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1345

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Antimony	1.06	mg/kg	B	0.22	3.26	SW-846 6010B	P
Boron	5.43	mg/kg	U	1.50	5.43	SW-846 6010B	P
Selenium	2.17	mg/kg	U	0.19	2.17	SW-846 6010B	P
Tin	4.04	mg/kg	B	0.91	5.43	SW-846 6010B	P

FORM I - IN

171590

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED10 (1-2) A

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208071047

Level: (low / med) | % Solids: 80.50 | Lab Sample ID: 20807104711

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1440

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Antimony	1.14	mg/kg	B	0.20	2.98	SW-846 6010B	P
Boron	5.17	mg/kg		1.38	4.97	SW-846 6010B	P
Selenium	1.99	mg/kg	U	0.17	1.99	SW-846 6010B	P
Tin	3.68	mg/kg	B	0.83	4.97	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED10 (1-2) B

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 208071047

Level: (low / med) | % Solids: 80.50 | Lab Sample ID: 20807104712

Date Received: 06/05/08 | Time: 0857 | Date Collected: 06/04/08 | Time: 1440

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Antimony	1.13	mg/kg	B	0.20	2.96	SW-846 6010B	P
Boron	6.27	mg/kg		1.36	4.93	SW-846 6010B	P
Selenium	0.22	mg/kg	B	0.17	1.97	SW-846 6010B	P
Tin	3.88	mg/kg	B	0.82	4.93	SW-846 6010B	P

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208071047

Calibration Source: 173-99-8 CPI/EXAXOL Instrument ID: ICP6 ICAL ID: 1

Date Analyzed: 07/14/08 Time: 1222

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	10.0	9.92	99	mg/L	SW-846 6010B	P
Antimony	1.00	1.00	100	mg/L	SW-846 6010B	P
Arsenic	1.00	1.01	101	mg/L	SW-846 6010B	P
Barium	1.00	1.02	102	mg/L	SW-846 6010B	P
Beryllium	1.00	0.990	99	mg/L	SW-846 6010B	P
Boron	5.00	5.16	103	mg/L	SW-846 6010B	P
Cadmium	1.00	0.990	99	mg/L	SW-846 6010B	P
Calcium	10.0	10.0	100	mg/L	SW-846 6010B	P
Chromium	1.00	1.01	101	mg/L	SW-846 6010B	P
Cobalt	1.00	0.980	98	mg/L	SW-846 6010B	P
Copper	1.00	0.990	99	mg/L	SW-846 6010B	P
Iron	10.0	9.98	100	mg/L	SW-846 6010B	P
Lead	1.00	1.00	100	mg/L	SW-846 6010B	P
Lithium	1.00	1.00	100	mg/L	SW-846 6010B	P
Magnesium	10.0	10.3	103	mg/L	SW-846 6010B	P
Manganese	1.00	1.00	100	mg/L	SW-846 6010B	P
Molybdenum	1.00	1.00	100	mg/L	SW-846 6010B	P
Nickel	1.00	1.00	100	mg/L	SW-846 6010B	P
Potassium	10.0	10.0	100	mg/L	SW-846 6010B	P
Selenium	1.00	1.01	101	mg/L	SW-846 6010B	P
Silver	1.00	1.04	104	mg/L	SW-846 6010B	P
Sodium	10.0	10.2	102	mg/L	SW-846 6010B	P
Strontium	1.00	0.950	95	mg/L	SW-846 6010B	P
Thallium	1.00	1.03	103	mg/L	SW-846 6010B	P
Tin	1.00	1.05	105	mg/L	SW-846 6010B	P
Titanium	1.00	0.990	99	mg/L	SW-846 6010B	P
Vanadium	1.00	1.01	101	mg/L	SW-846 6010B	P
Zinc	1.00	0.990	99	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.: 208071047

Calibration Source: 173-99-6 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 1

Date Analyzed: 07/14/08 Time: 1242

CRDL STANDARD

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	0.200	0.260	130	mg/L	SW-846 6010B	P
Antimony	0.0600	0.0580	96	mg/L	SW-846 6010B	P
Arsenic	0.0100	0.00970	97	mg/L	SW-846 6010B	P
Barium	0.0100	0.0100	103	mg/L	SW-846 6010B	P
Beryllium	0.00500	0.00490	97	mg/L	SW-846 6010B	P
Boron	0.500	0.480	96	mg/L	SW-846 6010B	P
Cadmium	0.00500	0.00490	99	mg/L	SW-846 6010B	P
Calcium	0.100	0.300	297	mg/L	SW-846 6010B	P
Chromium	0.0100	0.0100	101	mg/L	SW-846 6010B	P
Cobalt	0.0100	0.00970	97	mg/L	SW-846 6010B	P
Copper	0.0100	0.0110	109	mg/L	SW-846 6010B	P
Iron	0.100	0.110	106	mg/L	SW-846 6010B	P
Lead	0.0150	0.0150	99	mg/L	SW-846 6010B	P
Lithium	0.0500	0.0510	102	mg/L	SW-846 6010B	P
Magnesium	0.100	0.110	106	mg/L	SW-846 6010B	P
Manganese	0.0150	0.0170	112	mg/L	SW-846 6010B	P
Molybdenum	0.0500	0.0490	98	mg/L	SW-846 6010B	P
Nickel	0.0400	0.0400	100	mg/L	SW-846 6010B	P
Potassium	0.500	0.500	100	mg/L	SW-846 6010B	P
Selenium	0.0400	0.0380	94	mg/L	SW-846 6010B	P
Silver	0.0100	0.00990	99	mg/L	SW-846 6010B	P
Sodium	1.00	1.05	105	mg/L	SW-846 6010B	P
Strontium	0.0500	0.0500	100	mg/L	SW-846 6010B	P
Thallium	0.0100	0.00940	94	mg/L	SW-846 6010B	P
Tin	0.100	0.100	100	mg/L	SW-846 6010B	P
Titanium	0.100	0.0970	97	mg/L	SW-846 6010B	P
Vanadium	0.0200	0.0190	97	mg/L	SW-846 6010B	P
Zinc	0.0200	0.0300	150	mg/L	SW-846 6010B	P

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208071047

Calibration Source: 176-1-2 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 1

Date Analyzed: 07/14/08 Time: 1329

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	0.490	99	mg/L	SW-846 6010B	P
Arsenic	0.500	0.500	101	mg/L	SW-846 6010B	P
Barium	0.500	0.510	102	mg/L	SW-846 6010B	P
Beryllium	0.500	0.500	99	mg/L	SW-846 6010B	P
Boron	2.50	2.50	100	mg/L	SW-846 6010B	P
Cadmium	0.500	0.500	101	mg/L	SW-846 6010B	P
Calcium	5.00	5.09	102	mg/L	SW-846 6010B	P
Chromium	0.500	0.510	101	mg/L	SW-846 6010B	P
Cobalt	0.500	0.510	101	mg/L	SW-846 6010B	P
Copper	0.500	0.500	101	mg/L	SW-846 6010B	P
Iron	5.00	5.09	102	mg/L	SW-846 6010B	P
Lead	0.500	0.500	99	mg/L	SW-846 6010B	P
Lithium	0.500	0.510	102	mg/L	SW-846 6010B	P
Magnesium	5.00	5.11	102	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	101	mg/L	SW-846 6010B	P
Potassium	10.0	10.2	102	mg/L	SW-846 6010B	P
Selenium	0.500	0.500	100	mg/L	SW-846 6010B	P
Silicon	5.00	5.05	101	mg/L	SW-846 6010B	P
Silver	0.500	0.500	101	mg/L	SW-846 6010B	P
Sodium	20.0	20.2	101	mg/L	SW-846 6010B	P
Strontium	0.500	0.500	100	mg/L	SW-846 6010B	P
Thallium	0.500	0.510	103	mg/L	SW-846 6010B	P
Tin	0.500	0.510	101	mg/L	SW-846 6010B	P
Titanium	0.500	0.500	101	mg/L	SW-846 6010B	P
Vanadium	0.500	0.510	102	mg/L	SW-846 6010B	P
Zinc	0.500	0.500	100	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.: 208071047

Calibration Source: 176-1-2 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 1

Date Analyzed: 07/14/08 Time: 1456

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.03	101	mg/L	SW-846 6010B	P
Antimony	0.500	0.500	100	mg/L	SW-846 6010B	P
Arsenic	0.500	0.510	103	mg/L	SW-846 6010B	P
Barium	0.500	0.510	102	mg/L	SW-846 6010B	P
Beryllium	0.500	0.500	100	mg/L	SW-846 6010B	P
Boron	2.50	2.48	99	mg/L	SW-846 6010B	P
Cadmium	0.500	0.510	102	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	0.510	101	mg/L	SW-846 6010B	P
Iron	5.00	5.07	101	mg/L	SW-846 6010B	P
Lead	0.500	0.500	101	mg/L	SW-846 6010B	P
Lithium	0.500	0.510	102	mg/L	SW-846 6010B	P
Magnesium	5.00	5.11	102	mg/L	SW-846 6010B	P
Manganese	0.500	0.510	103	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.510	101	mg/L	SW-846 6010B	P
Nickel	0.500	0.510	102	mg/L	SW-846 6010B	P
Potassium	10.0	10.2	102	mg/L	SW-846 6010B	P
Selenium	0.500	0.510	101	mg/L	SW-846 6010B	P
Silicon	5.00	5.03	101	mg/L	SW-846 6010B	P
Silver	0.500	0.510	101	mg/L	SW-846 6010B	P
Sodium	20.0	21.0	105	mg/L	SW-846 6010B	P
Strontium	0.500	0.510	102	mg/L	SW-846 6010B	P
Thallium	0.500	0.520	103	mg/L	SW-846 6010B	P
Tin	0.500	0.510	103	mg/L	SW-846 6010B	P
Titanium	0.500	0.510	101	mg/L	SW-846 6010B	P
Vanadium	0.500	0.510	103	mg/L	SW-846 6010B	P
Zinc	0.500	0.500	101	mg/L	SW-846 6010B	P
Zirconium	0.500	0.500	100	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.: 208071047

Calibration Source: 176-1-2 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 1

Date Analyzed: 07/14/08 Time: 1613

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.10	102	mg/L	SW-846 6010B	P
Antimony	0.500	0.500	101	mg/L	SW-846 6010B	P
Arsenic	0.500	0.510	103	mg/L	SW-846 6010B	P
Barium	0.500	0.510	102	mg/L	SW-846 6010B	P
Beryllium	0.500	0.500	100	mg/L	SW-846 6010B	P
Boron	2.50	2.49	99	mg/L	SW-846 6010B	P
Cadmium	0.500	0.510	101	mg/L	SW-846 6010B	P
Calcium	5.00	5.14	103	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	5.14	103	mg/L	SW-846 6010B	P
Lead	0.500	0.510	101	mg/L	SW-846 6010B	P
Lithium	0.500	0.520	103	mg/L	SW-846 6010B	P
Magnesium	5.00	5.16	103	mg/L	SW-846 6010B	P
Manganese	0.500	0.510	102	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.510	102	mg/L	SW-846 6010B	P
Nickel	0.500	0.500	101	mg/L	SW-846 6010B	P
Potassium	10.0	10.6	106	mg/L	SW-846 6010B	P
Selenium	0.500	0.510	102	mg/L	SW-846 6010B	P
Silicon	5.00	5.09	102	mg/L	SW-846 6010B	P
Silver	0.500	0.500	101	mg/L	SW-846 6010B	P
Sodium	20.0	21.1	105	mg/L	SW-846 6010B	P
Strontium	0.500	0.510	102	mg/L	SW-846 6010B	P
Thallium	0.500	0.520	104	mg/L	SW-846 6010B	P
Tin	0.500	0.510	103	mg/L	SW-846 6010B	P
Titanium	0.500	0.510	101	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	100	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.: 208071047

Calibration Source: 176-1-2 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 1

Date Analyzed: 07/14/08 Time: 1735

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.07	101	mg/L	SW-846 6010B	P
Antimony	0.500	0.490	98	mg/L	SW-846 6010B	P
Arsenic	0.500	0.490	98	mg/L	SW-846 6010B	P
Barium	0.500	0.500	101	mg/L	SW-846 6010B	P
Beryllium	0.500	0.490	99	mg/L	SW-846 6010B	P
Boron	2.50	2.46	98	mg/L	SW-846 6010B	P
Cadmium	0.500	0.500	99	mg/L	SW-846 6010B	P
Calcium	5.00	5.03	101	mg/L	SW-846 6010B	P
Chromium	0.500	0.500	101	mg/L	SW-846 6010B	P
Cobalt	0.500	0.500	100	mg/L	SW-846 6010B	P
Copper	0.500	0.500	100	mg/L	SW-846 6010B	P
Iron	5.00	5.00	100	mg/L	SW-846 6010B	P
Lead	0.500	0.490	98	mg/L	SW-846 6010B	P
Lithium	0.500	0.510	101	mg/L	SW-846 6010B	P
Magnesium	5.00	5.01	100	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	0.500	100	mg/L	SW-846 6010B	P
Potassium	10.0	10.3	103	mg/L	SW-846 6010B	P
Selenium	0.500	0.500	100	mg/L	SW-846 6010B	P
Silicon	5.00	4.99	100	mg/L	SW-846 6010B	P
Silver	0.500	0.500	100	mg/L	SW-846 6010B	P
Sodium	20.0	21.1	105	mg/L	SW-846 6010B	P
Strontium	0.500	0.510	102	mg/L	SW-846 6010B	P
Thallium	0.500	0.510	102	mg/L	SW-846 6010B	P
Tin	0.500	0.500	99	mg/L	SW-846 6010B	P
Titanium	0.500	0.500	101	mg/L	SW-846 6010B	P
Vanadium	0.500	0.510	101	mg/L	SW-846 6010B	P
Zinc	0.500	0.490	99	mg/L	SW-846 6010B	P
Zirconium	0.500	0.500	100	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.: 208071047

Calibration Source: 176-1-2 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 1

Date Analyzed: 07/14/08 Time: 1853

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.09	102	mg/L	SW-846 6010B	P
Antimony	0.500	0.470	95	mg/L	SW-846 6010B	P
Arsenic	0.500	0.470	93	mg/L	SW-846 6010B	P
Barium	0.500	0.490	98	mg/L	SW-846 6010B	P
Beryllium	0.500	0.480	97	mg/L	SW-846 6010B	P
Boron	2.50	2.38	95	mg/L	SW-846 6010B	P
Cadmium	0.500	0.480	96	mg/L	SW-846 6010B	P
Calcium	5.00	5.01	100	mg/L	SW-846 6010B	P
Chromium	0.500	0.490	98	mg/L	SW-846 6010B	P
Cobalt	0.500	0.480	97	mg/L	SW-846 6010B	P
Copper	0.500	0.490	97	mg/L	SW-846 6010B	P
Iron	5.00	4.97	99	mg/L	SW-846 6010B	P
Lead	0.500	0.480	95	mg/L	SW-846 6010B	P
Lithium	0.500	0.500	99	mg/L	SW-846 6010B	P
Magnesium	5.00	4.97	99	mg/L	SW-846 6010B	P
Manganese	0.500	0.490	99	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.480	97	mg/L	SW-846 6010B	P
Nickel	0.500	0.490	97	mg/L	SW-846 6010B	P
Potassium	10.0	10.2	102	mg/L	SW-846 6010B	P
Selenium	0.500	0.490	98	mg/L	SW-846 6010B	P
Silicon	5.00	4.98	100	mg/L	SW-846 6010B	P
Silver	0.500	0.490	98	mg/L	SW-846 6010B	P
Sodium	20.0	21.0	105	mg/L	SW-846 6010B	P
Strontium	0.500	0.510	101	mg/L	SW-846 6010B	P
Thallium	0.500	0.500	100	mg/L	SW-846 6010B	P
Tin	0.500	0.480	96	mg/L	SW-846 6010B	P
Titanium	0.500	0.500	100	mg/L	SW-846 6010B	P
Vanadium	0.500	0.490	99	mg/L	SW-846 6010B	P
Zinc	0.500	0.480	96	mg/L	SW-846 6010B	P
Zirconium	0.500	0.500	99	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.: 208071047

Calibration Source: 176-1-2 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 1

Date Analyzed: 07/14/08 Time: 2012

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.23	105	mg/L	SW-846 6010B	P
Antimony	0.500	0.480	96	mg/L	SW-846 6010B	P
Arsenic	0.500	0.470	95	mg/L	SW-846 6010B	P
Barium	0.500	0.500	100	mg/L	SW-846 6010B	P
Beryllium	0.500	0.490	98	mg/L	SW-846 6010B	P
Boron	2.50	2.40	96	mg/L	SW-846 6010B	P
Cadmium	0.500	0.480	96	mg/L	SW-846 6010B	P
Calcium	5.00	5.52	110	mg/L	SW-846 6010B	P
Chromium	0.500	0.490	99	mg/L	SW-846 6010B	P
Cobalt	0.500	0.490	98	mg/L	SW-846 6010B	P
Copper	0.500	0.490	99	mg/L	SW-846 6010B	P
Iron	5.00	5.10	102	mg/L	SW-846 6010B	P
Lead	0.500	0.480	96	mg/L	SW-846 6010B	P
Lithium	0.500	0.500	100	mg/L	SW-846 6010B	P
Magnesium	5.00	5.00	100	mg/L	SW-846 6010B	P
Manganese	0.500	0.500	100	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.490	98	mg/L	SW-846 6010B	P
Nickel	0.500	0.490	99	mg/L	SW-846 6010B	P
Potassium	10.0	10.3	103	mg/L	SW-846 6010B	P
Selenium	0.500	0.490	97	mg/L	SW-846 6010B	P
Silicon	5.00	5.00	100	mg/L	SW-846 6010B	P
Silver	0.500	0.500	100	mg/L	SW-846 6010B	P
Sodium	20.0	20.7	104	mg/L	SW-846 6010B	P
Strontium	0.500	0.510	103	mg/L	SW-846 6010B	P
Thallium	0.500	0.500	101	mg/L	SW-846 6010B	P
Tin	0.500	0.490	97	mg/L	SW-846 6010B	P
Titanium	0.500	0.510	101	mg/L	SW-846 6010B	P
Vanadium	0.500	0.500	100	mg/L	SW-846 6010B	P
Zinc	0.500	0.500	99	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.: 208071047

Calibration Source: 176-1-2 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 1

Date Analyzed: 07/14/08 Time: 2123

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.28	106	mg/L	SW-846 6010B	P
Antimony	0.500	0.470	94	mg/L	SW-846 6010B	P
Arsenic	0.500	0.460	92	mg/L	SW-846 6010B	P
Barium	0.500	0.490	98	mg/L	SW-846 6010B	P
Beryllium	0.500	0.480	96	mg/L	SW-846 6010B	P
Boron	2.50	2.37	95	mg/L	SW-846 6010B	P
Cadmium	0.500	0.470	94	mg/L	SW-846 6010B	P
Calcium	5.00	5.31	106	mg/L	SW-846 6010B	P
Chromium	0.500	0.490	98	mg/L	SW-846 6010B	P
Cobalt	0.500	0.480	96	mg/L	SW-846 6010B	P
Copper	0.500	0.490	98	mg/L	SW-846 6010B	P
Iron	5.00	5.08	102	mg/L	SW-846 6010B	P
Lead	0.500	0.470	94	mg/L	SW-846 6010B	P
Lithium	0.500	0.490	97	mg/L	SW-846 6010B	P
Magnesium	5.00	4.95	99	mg/L	SW-846 6010B	P
Manganese	0.500	0.490	99	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.480	96	mg/L	SW-846 6010B	P
Nickel	0.500	0.490	97	mg/L	SW-846 6010B	P
Potassium	10.0	10.3	103	mg/L	SW-846 6010B	P
Selenium	0.500	0.470	95	mg/L	SW-846 6010B	P
Silicon	5.00	4.99	100	mg/L	SW-846 6010B	P
Silver	0.500	0.490	99	mg/L	SW-846 6010B	P
Sodium	20.0	20.5	103	mg/L	SW-846 6010B	P
Strontium	0.500	0.510	102	mg/L	SW-846 6010B	P
Thallium	0.500	0.490	98	mg/L	SW-846 6010B	P
Tin	0.500	0.470	94	mg/L	SW-846 6010B	P
Titanium	0.500	0.500	101	mg/L	SW-846 6010B	P
Vanadium	0.500	0.490	99	mg/L	SW-846 6010B	P
Zinc	0.500	0.490	98	mg/L	SW-846 6010B	P
Zirconium	0.500	0.500	100	mg/L	SW-846 6010B	P

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.: 208071047

Lab Sample ID: ICB
ICAL ID: 1

Lab Sample DESC: ICB FOR HBN 392686 [ICP/5114]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6
Date Analyzed: 07/14/08 Time: 1235

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Antimony	0.060	U	mg/L	0.0027	0.060	SW-846 6010B	P
Boron	1.00	U	mg/L	0.030	1.00	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0031	0.040	SW-846 6010B	P
Tin	0.025	U	mg/L	0.00084	0.025	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208071047

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 392686 [ICP/5114]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6
Date Analyzed: 07/14/08 Time: 1336

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Antimony	0.060	U	mg/L	0.0027	0.060	SW-846 6010B	P
Boron	1.00	U	mg/L	0.030	1.00	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0031	0.040	SW-846 6010B	P
Tin	0.025	U	mg/L	0.00084	0.025	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208071047

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 392686 [ICP/5114]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6
Date Analyzed: 07/14/08 Time: 1503

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Antimony	0.060	U	mg/L	0.0027	0.060	SW-846 6010B	P
Boron	1.00	U	mg/L	0.030	1.00	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0031	0.040	SW-846 6010B	P
Tin	0.025	U	mg/L	0.00084	0.025	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208071047

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 392686 [ICP/5114]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6
Date Analyzed: 07/14/08 Time: 1618

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Antimony	0.060	U	mg/L	0.0027	0.060	SW-846 6010B	P
Boron	1.00	U	mg/L	0.030	1.00	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0031	0.040	SW-846 6010B	P
Tin	0.025	U	mg/L	0.00084	0.025	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208071047

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 392686 [ICP/5114]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6
Date Analyzed: 07/14/08 Time: 1741

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Antimony	0.060	U	mg/L	0.0027	0.060	SW-846 6010B	P
Boron	1.00	U	mg/L	0.030	1.00	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0031	0.040	SW-846 6010B	P
Tin	0.025	U	mg/L	0.00084	0.025	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208071047
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB FOR HBN 392686 [ICP/5114]
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP6
Date Analyzed: 07/14/08 Time: 1859

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Antimony	0.060	U	mg/L	0.0027	0.060	SW-846 6010B	P
Boron	1.00	U	mg/L	0.030	1.00	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0031	0.040	SW-846 6010B	P
Tin	0.025	U	mg/L	0.00084	0.025	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208071047

Lab Sample ID: 624290
ICAL ID: 1

Lab Sample DESC: MB624290
Preparation Blank Matrix: (soil / water) Soil

Instrument ID: ICP6
Date Analyzed: 07/14/08 Time: 1914

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Antimony	2.40	U	mg/kg	0.16	2.40	SW-846 6010B	P
Boron	4.00	U	mg/kg	1.11	4.00	SW-846 6010B	P
Selenium	1.60	U	mg/kg	0.14	1.60	SW-846 6010B	P
Tin	4.00	U	mg/kg	0.67	4.00	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208071047

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 392686 [ICP/5114]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6
Date Analyzed: 07/14/08 Time: 2018

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Antimony	0.060	U	mg/L	0.0027	0.060	SW-846 6010B	P
Boron	1.00	U	mg/L	0.030	1.00	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0031	0.040	SW-846 6010B	P
Tin	0.025	U	mg/L	0.00084	0.025	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208071047

Lab Sample ID: 624022
ICAL ID: 1

Lab Sample DESC: MB624022
Preparation Blank Matrix: (soil / water) Soil

Instrument ID: ICP6
Date Analyzed: 07/14/08 Time: 2025

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Antimony	2.40	U	mg/kg	0.16	2.40	SW-846 6010B	P
Boron	4.00	U	mg/kg	1.11	4.00	SW-846 6010B	P
Selenium	1.60	U	mg/kg	0.14	1.60	SW-846 6010B	P
Tin	4.00	U	mg/kg	0.67	4.00	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208071047
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB FOR HBN 392686 [ICP/5114]
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP6
Date Analyzed: 07/14/08 Time: 2129

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Antimony	0.060	U	mg/L	0.0027	0.060	SW-846 6010B	P
Boron	1.00	U	mg/L	0.030	1.00	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0031	0.040	SW-846 6010B	P
Tin	0.025	U	mg/L	0.00084	0.025	SW-846 6010B	P

ICP INTERFERENCE CHECK SAMPLE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208071047

ICP ID Number: ICP6 ICS Source: 173-100-2 SPEX~173-94-3 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	216	205	102			
Antimony	0	1.00		1.02	102			
Arsenic	0	1.00		1.03	103			
Barium	0	0.50		0.52	104			
Beryllium	0	0.50		0.52	104			
Boron	0	1.00		1.02	102			
Cadmium	0	1.00		0.99	99			
Calcium	200	200	206	195	98			
Chromium	0	0.50		0.51	102			
Cobalt	0	0.50		0.49	98			
Copper	0	0.50		0.53	106			
Iron	80.0	80.0	83.0	78.7	98			
Lead	0	1.00		1.01	101			
Magnesium	200	200	208	197	98			
Manganese	0	0.50		0.51	102			
Molybdenum	0	1.00		1.02	102			
Nickel	0	1.00		0.97	97			
Selenium	0	1.00		1.05	105			
Silver	0	1.00		1.08	108			
Thallium	0	1.00		1.07	107			
Vanadium	0	0.50		0.51	102			
Zinc	0	1.00		1.02	102			

MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208071047

Matrix Spike - EPA Sample No: 4WSED3 (0-0.5)A Method SW-846 6010B

SAMPLE NO. : 20807104703

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	#	*QC. LIMITS*
Antimony	mg/kg	23.3	1.44	6.25	21	N	75 - 125
Boron	mg/kg	117	0	78.8	69	N	75 - 125
Selenium	mg/kg	23.3	0	20.4	87		75 - 125
Tin	mg/kg	23.3	4.61	25	88		75 - 125

SAMPLE NO. : 20807104705

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	#	*% RPD*	#	*QC. LIMITS REC*	*RPD*
Antimony	mg/kg	23.3	6.25	21	N	.2		75 - 125	0 - 20
Boron	mg/kg	117	76.2	67	N	3		75 - 125	0 - 20
Selenium	mg/kg	23.3	21	90		3		75 - 125	0 - 20
Tin	mg/kg	23.3	25.3	89		.9		75 - 125	0 - 20

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

* Values outside of QC limits

RPD : 0 out of 4 outside limits

Spike Recovery: 4 out of 8 outside limits

MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208071047

Matrix Spike - EPA Sample No: 4WSED3 (0-0.5)B Method SW-846 6010B

SAMPLE NO. : 20807104704

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*#*	*QC. LIMITS*
Antimony	mg/kg	23.3	1.04	5.34	18	N	75 - 125
Boron	mg/kg	117	0	71.8	63	N	75 - 125
Selenium	mg/kg	23.3	0	19.2	83		75 - 125
Tin	mg/kg	23.3	3.87	22.7	81		75 - 125

SAMPLE NO. : 20807104706

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	*#*	*% RPD*	*#*	*QC. LIMITS REC*	*QC. LIMITS RPD*
Antimony	mg/kg	23.3	5.75	20	N	8		75 - 125	0 - 20
Boron	mg/kg	117	72.7	63	N	1		75 - 125	0 - 20
Selenium	mg/kg	23.3	20.5	88		6		75 - 125	0 - 20
Tin	mg/kg	23.3	24.4	88		7		75 - 125	0 - 20

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

* Values outside of QC limits

RPD : 0 out of 4 outside limits

Spike Recovery: 4 out of 8 outside limits

FORM V (PART 1) - IN

171614

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: GCAL
Sample ID: 4WSED3 (0-0.5)BPDS

Lab Code: LA024
Case No.:
Contract:

Matrix: (soil / water) Soil
SAS No.:
SDG No.: 208071047

Level: (low / med)
Lab Sample ID: 625308

Orig Lab Sample ID: 20807104702

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Antimony	75	125	21.6		1.04	B	23.3	88		mg/kg	SW-846 6010B	P
Boron	75	125	97.9		0	U	117	85		mg/kg	SW-846 6010B	P
Selenium	75	125	21.6		0	U	23.3	93		mg/kg	SW-846 6010B	P
Tin	75	125	22.8		3.87	B	23.3	81		mg/kg	SW-846 6010B	P

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: GCAL
Sample ID: 4WSED3 (0-0.5)APDS
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 208071047
Level: (low / med)
Lab Sample ID: 625310
Orig Lab Sample ID: 20807104701

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Antimony	75	125	21.3		1.44	B	23.3	85		mg/kg	SW-846 6010B	P
Boron	75	125	95.6		0	U	117	83		mg/kg	SW-846 6010B	P
Selenium	75	125	20.7		0	U	23.3	89		mg/kg	SW-846 6010B	P
Tin	75	125	23.3		4.61	B	23.3	80		mg/kg	SW-846 6010B	P

FORM V (PART 2) - IN

171616

LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS624023
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 208071047
Lab Sample ID: 624023
LCS Source: 334-89-2 INORGANIC VENTURES

Analyte	*True*	*Found*	*% R*	*LL*	*UL*	*Units*	*Method*	*Type*
Antimony	20.0	19.0	95	80	120	mg/kg	SW-846 6010B	P
Boron	100	89.2	89	80	120	mg/kg	SW-846 6010B	P
Selenium	20.0	19.1	95	80	120	mg/kg	SW-846 6010B	P
Tin	20.0	19.8	99	80	120	mg/kg	SW-846 6010B	P

FORM VII - IN

171617

LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS624291

Lab Code: LA024
Case No.:
Contract:

Matrix: (soil / water) Soil
SAS No.:
SDG No.: 208071047

Lab Sample ID: 624291
LCS Source: 334-89-2 INORGANIC VENTURES

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Antimony	20.0	18.6	93	80	120	mg/kg	SW-846 6010B	P
Boron	100	89.1	89	80	120	mg/kg	SW-846 6010B	P
Selenium	20.0	18.9	95	80	120	mg/kg	SW-846 6010B	P
Tin	20.0	19.8	99	80	120	mg/kg	SW-846 6010B	P

FORM VII - IN

171618

SERIAL DILUTIONS

Lab Name: GCAL
Sample ID: 4WSED3 (0-0.5)BSD

Lab Code: LA024 Case No.
Contract:

Matrix: (soil / water) Soil
SAS No.: SDG No.: 208071047

Level: (low / med)
Org Lab Sample ID: 20807104702

Lab Sample ID: 625309

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Antimony			1.04	B	0	U	100		mg/kg	SW-846 6010B	P
Boron			0	U	0	U			mg/kg	SW-846 6010B	P
Selenium			0	U	0	U			mg/kg	SW-846 6010B	P
Tin			3.87	B	0	U	100		mg/kg	SW-846 6010B	P

FORM IX - IN

171619

SERIAL DILUTIONS

Lab Name: GCAL
Sample ID: 4WSED3 (0-0.5)ASD

Lab Code: LA024 Case No.
Contract:

Matrix: (soil / water) Soil
SAS No.: SDG No.: 208071047

Level: (low / med)
Org Lab Sample ID: 20807104701

Lab Sample ID: 625311

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Antimony			1.44	B	1.62	B	12.5		mg/kg	SW-846 6010B	P
Boron			0	U	0	U			mg/kg	SW-846 6010B	P
Selenium			0	U	0	U			mg/kg	SW-846 6010B	P
Tin			4.61	B	0	U	100		mg/kg	SW-846 6010B	P

FORM IX - IN

171620

METHOD DETECTION LIMITS

Lab Name: GCAL Sample ID:

Lab Code: LA024 SDG No.: 208071047

Study Date: (P) 08/22/07 Instrument ID: (P) ICP5, ICP6

Analyte	*MDL*	*Units*	*Type*
Antimony	0.16	mg/kg	P
Boron	1.11	mg/kg	P
Selenium	0.14	mg/kg	P
Tin	0.67	mg/kg	P

FORM X - IN

171621

IEC File Name: 2080315 IEC

IEC File Last Saved: 6/19/2008 4:37:47 PM
Printed On: 6/23/2008 4:26:07 PM

Results Data Set Name: 2080315 IEC
Method Name: ICP
Results Library: C:\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	0.00867454	0.17261	0.127
2	Antimony,7440-36-0	-0.00177955	-0.00101194	9.31476	0.625786
3	Ar 363.268 A	62.7871	39.3922	948.615	1048.47
4	Ar 420.067 R	64.5151	46.6758	843.86	1055.86
5	Arsenic,7440-38-2	-0.151593	-0.00442289	0.616298	0.188808
6	Barium,7440-39-3	0	0.005	0.0279872	0.216575
7	Beryllium,7440-41-7	0	-2.01304e-005	0.304048	0.149765
8	Boron,7440-42-8	-0.0281555	-0.0295775	0.0251419	-0.58622
9	Cadmium,7440-43-9	-0.00754976	-0.00167388	0.119555	0.312591
10	Calcium,7440-70-2	0.00920086	n/a	2.04072	1.14367
11	Chromium,7440-47-3	0.02	0	n/a	0.324673
12	Cobalt,7440-48-4	0.001	0	0.205438	0.929857
13	Copper,7440-50-8	0.003	0.005	-0.0702487	n/a
14	Iron,7439-89-6	0.0227035	0	0.327056	0.00953072
15	Lead,7439-92-1	-0.191884	-0.0103483	-0.1556	6.74964
16	Lithium,7439-93-2	-0.00177654	0	0	-0.00867863
17	Magnesium,7439-95-4	0	0.0187334	-0.261934	0.0936917
18	Manganese, 7439-96-5	-0.011118	0.001103	-0.168992	0.0640122
19	Molybdenum,7439-98-7	-0.00197815	-0.00286958	0.117567	0.0546342
20	Nickel,7440-02-0	-0.00493281	0	0.0442637	0.144139
21	Potassium,7440-09-7	0.0152955	-0.0292002	-0.151447	0.447442
22	Scandium-IS	59.5211	42.9549	813.521	1022.6
23	Selenium,7782-49-2	-0.001655	-0.00919282	0.00251606	0.00298964
24	Silicon,7440-21-3	0.00540673	0.0133283	-0.00715615	0.135412
25	Silver,7440-22-4	0	0.00276294	0.0431679	0.173777
26	Sodium,7440-23-5	0.0139129	0.0308179	0.623455	0.13064
27	Strontium,7440-24-6	0	0.0273967	0	0.0882355
28	Thallium,7440-28-0	0.00558608	0.0232679	0.341928	0.0538798
29	Tin,7440-31-5	0.0132858	-0.0201404	-0.0462179	0.0637708
30	Titanium,7440-32-6	-0.000143715	0	0.0302669	0.0551309
31	Vanadium,7440-62-2	0.001	0.002	-1.45762	0.0464101
32	Yttrium,7440-65-5A	56.4334	41.0595	798.435	1009.32
33	Yttrium,7440-65-5R	65.8739	46.5373	871.963	1064.77
34	Zinc,7440-66-6	0	-0.001447	0.493765	0.967024
35	Zirconium,7440-67-7	0	0.0031643	0.0892814	0.168095

171622

IEC File Name: 2080315 IEC

IEC File Last Saved: 6/19/2008 4:37:47 PM
Printed On: 6/23/2008 4:26:07 PM

Results Data Set Name: 2080315 IEC
Method Name: ICP
Results Library: C:\pe\met\Results\Results.rnd

Interfering Analytes

	Analytes	Iron,7439-89-6	Magnesium,7439-95-4	Manganese, 7439-96-5	Nickel,7440-02-0
1	**Aluminum,7429-90-5**	-0.0551968	0.0171339	1.10525	0.131647
2	**Antimony,7440-36-0**	-0.01	-0.00248238	-0.0512209	0.157876
3	**Ar 363.268 A**	127.525	119.703	2905.88	1775.14
4	**Ar 420.067 R**	132.313	122.32	2956.71	1813.35
5	**Arsenic,7440-38-2**	0.085	0.00691	-0.194331	-0.309129
6	**Barium,7440-39-3**	0.0147662	0.001	-0.103153	-0.00183792
7	**Beryllium,7440-41-7**	-0.00151684	0	0.0170111	0.0200016
8	**Boron,7440-42-8**	-0.63676	-0.0681386	-2.06922	-0.961034
9	**Cadmium,7440-43-9**	0.0657046	0	0.0203682	0.0466611
10	**Calcium,7440-70-2**	0.0954218	0.00342942	-0.0949457	0.329838
11	**Chromium,7440-47-3**	-0.003	0.005	0.258366	0.0802993
12	**Cobalt,7440-48-4**	0.01	0.00115919	0.0838479	0.239463
13	**Copper,7440-50-8**	0.005	0.05	0.409927	0.36238
14	**Iron,7439-89-6**	**n/a**	0.0150266	-0.125394	-0.0827117
15	**Lead,7439-92-1**	0.32	0.00373784	0.0776994	0.590682
16	**Lithium,7439-93-2**	-0.00234539	0	0.0166088	0.0974438
17	**Magnesium,7439-95-4**	0.0446757	**n/a**	-7.33409	0.0776726
18	**Manganese, 7439-96-5**	-0.005	0.00570936	**n/a**	0.0399567
19	**Molybdenum,7439-98-7**	-0.0316458	-0.00153897	-0.0698296	0.20637
20	**Nickel,7440-02-0**	0.0656273	0.00514717	0.148338	**n/a**
21	**Potassium,7440-09-7**	0.171313	0.0422667	0.449329	0.104825
22	**Scandium-IS**	127.758	117.843	2817.03	1710.14
23	**Selenium,7782-49-2**	-0.22	-0.0052066	-0.290254	0.0145667
24	**Silicon,7440-21-3**	-0.099297	0.400631	0.221017	0.0546582
25	**Silver,7440-22-4**	-0.03	0.00262767	0.195957	0.0983347
26	**Sodium,7440-23-5**	-0.0217012	-0.0245446	-0.78445	-0.572581
27	**Strontium,7440-24-6**	0.0016727	0	0	0.0033687
28	**Thallium,7440-28-0**	-0.125056	0	0.453124	0
29	**Tin,7440-31-5**	0.0328122	-0.00363685	-0.0468479	0.0278143
30	**Titanium,7440-32-6**	0.00120664	0	0.00354661	0.0201481
31	**Vanadium,7440-62-2**	0.001	-0.14	0.0809509	-9.49997
32	**Yttrium,7440-65-5A**	122.944	114.143	2780.44	1724.67
33	**Yttrium,7440-65-5R**	132.022	121.031	2930.72	1798.96
34	**Zinc,7440-66-6**	0.126493	0.02	0.32195	5.03753
35	**Zirconium,7440-67-7**	0.0351852	0.00134382	0.0193251	0.0674504

IEC File Name: 2080315 IEC

IEC File Last Saved: 6/19/2008 4:37:47 PM
Printed On: 6/23/2008 4:26:07 PM

Results Data Set Name: 2080315 IEC
Method Name: ICP
Results Library: C:\pe\met\Results\Results.md

Interfering Analytes

	Analytes	Titanium,7440-32-6	Vanadium,7440-62-2
1	Aluminum,7429-90-5	2.27575	-10.3686
2	Antimony,7440-36-0	0.241026	0.121667
3	Ar 363.268 A	2479.99	999.101
4	Ar 420.067 R	2548.3	1003.75
5	Arsenic,7440-38-2	-0.0357	-11.6072
6	Barium,7440-39-3	-0.00822809	0.619627
7	Beryllium,7440-41-7	0.531564	0.103631
8	Boron,7440-42-8	-1.67079	-1.44914
9	Cadmium,7440-43-9	-0.0600592	-0.0148375
10	Calcium,7440-70-2	0.525798	0.382932
11	Chromium,7440-47-3	0.0816415	-1.16653
12	Cobalt,7440-48-4	2.20075	0.0138513
13	Copper,7440-50-8	-0.331913	0.0776095
14	Iron,7439-89-6	0.055016	0.226941
15	Lead,7439-92-1	-0.109558	-0.0681739
16	Lithium,7439-93-2	-0.00963984	0.0104772
17	Magnesium,7439-95-4	0.392391	0.374174
18	Manganese, 7439-96-5	0.42464	-0.00175327
19	Molybdenum,7439-98-7	0.0865698	0.0743877
20	Nickel,7440-02-0	0.243182	0.0765393
21	Potassium,7440-09-7	0.982711	0.460701
22	Scandium-IS	2462.59	957.289
23	Selenium,7782-49-2	-0.17	-0.11872
24	Silicon,7440-21-3	0	0.324853
25	Silver,7440-22-4	0.0541723	-1.02279
26	Sodium,7440-23-5	-0.60125	-0.3858
27	Strontium,7440-24-6	0	0.0349151
28	Thallium,7440-28-0	-5.95612	-12.869
29	Tin,7440-31-5	0.033948	-0.0243683
30	Titanium,7440-32-6	n/a	0.298184
31	Vanadium,7440-62-2	-0.0651908	n/a
32	Yttrium,7440-65-5A	2401.05	941.579
33	Yttrium,7440-65-5R	2497.96	992.659
34	Zinc,7440-66-6	0.179424	0.108996
35	Zirconium,7440-67-7	0.689712	0.0544376

171624

ICP LINEAR RANGES

Lab Name: GCAL
Sample ID:
Lab Code: LA024
SDG No.: 208071047
Study Date: 03/15/08
Instrument ID: ICP6

Analyte	*Concentration*	*% Recovery*	*Units*	*Type*
Aluminum	60000	103	mg/kg	P
Antimony	1600	97	mg/kg	P
Arsenic	1000	104	mg/kg	P
Barium	1000	101	mg/kg	P
Beryllium	200	97	mg/kg	P
Boron	2000	102	mg/kg	P
Cadmium	1000	105	mg/kg	P
Calcium	80000	103	mg/kg	P
Chromium	4800	101	mg/kg	P
Cobalt	6000	103	mg/kg	P
Copper	4000	96	mg/kg	P
Iron	32000	98	mg/kg	P
Lead	20000	105	mg/kg	P
Lithium	800	103	mg/kg	P
Magnesium	32000	103	mg/kg	P
Manganese	1400	100	mg/kg	P
Molybdenum	4000	90	mg/kg	P
Nickel	2000	105	mg/kg	P
Potassium	6000	103	mg/kg	P
Selenium	600	101	mg/kg	P
Silver	400	100	mg/kg	P
Sodium	24000	97	mg/kg	P
Thallium	800	102	mg/kg	P
Tin	2000	90	mg/kg	P
Titanium	1600	102	mg/kg	P
Vanadium	4000	105	mg/kg	P
Zinc	600	96	mg/kg	P

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208071047

Method: SW-846 6010B Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
2WSED10 (1-2) A	07/11/08	1.25	g	50	mL
2WSED8 (1-2) A	07/11/08	1.26	g	50	mL
4WSED2 (0-0.5)A	07/11/08	1.25	g	50	mL
4WSED3 (0-0.5)A	07/11/08	1.25	g	50	mL
4WSED3 (0-0.5)MS A	07/11/08	1.25	g	50	mL
4WSED3 (0-0.5)MSD A	07/11/08	1.25	g	50	mL
LCS624023	07/11/08	1.25	g	50	mL
MB624022	07/11/08	1.25	g	50	mL

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208071047

Method: SW-846 6010B Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
2WSED10 (1-2) B	07/11/08	1.26	g	50	mL
2WSED8 (1-2) B	07/11/08	1.25	g	50	mL
4WSED2 (0-0.5)B	07/11/08	1.25	g	50	mL
4WSED3 (0-0.5)B	07/11/08	1.25	g	50	mL
4WSED3 (0-0.5)MS B	07/11/08	1.25	g	50	mL
4WSED3 (0-0.5)MSD B	07/11/08	1.25	g	50	mL
LCS624291	07/11/08	1.25	g	50	mL
MB624290	07/11/08	1.25	g	50	mL

FORM XIII - IN

171627

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 07/14/08

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208071047 End Date: 07/15/08

Instrument ID Number: ICP6 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	1222		X				X															X						X				
ICV2	*	1	1228																															
ICB	*	1	1235		X				X															X						X				
CRDL	*	1	1242		X				X															X						X				
ICSA	*	1	1308		X				X															X						X				
ICSAB	*	1	1324		X				X															X						X				
CCV	*	1	1329		X				X															X						X				
CCB	*	1	1336		X				X															X						X				
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1348																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1355																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1400																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1406																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1412																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1417																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1423																															
CCV	*	1	1456		X				X															X						X				
CCB	*	1	1503		X				X															X						X				
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1510																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1516																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1522																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1527																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1533																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1540																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1546																															
CCV	*	1	1613		X				X															X						X				
CCB	*	1	1618		X				X															X						X				
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1631																															

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 07/14/08

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208071047 End Date: 07/15/08

Instrument ID Number: ICP6 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
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1638																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1644																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1650																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1656																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1702																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1708																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1715																															
CCV	*	1	1735		X				X															X					X					
CCB	*	1	1741		X				X															X					X					
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1748																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1755																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1801																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1807																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1813																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1819																															
CCV	*	1	1853		X				X															X					X					
CCB	*	1	1859		X				X															X					X					
MB624290	*	1	1914		X				X															X					X					
LCS624291	*	1	1921		X				X															X					X					
4WSED3 (0-0.5)B	*	1	1927		X				X															X					X					
4WSED3 (0-0.5)MS B	*	1	1932		X				X															X					X					
4WSED3 (0-0.5)MSD B	*	1	1938		X				X															X					X					
4WSED3 (0-0.5)BPDS	*	1	1944		X				X															X					X					
4WSED3 (0-0.5)BSD	*	5	1949		X				X															X					X					
4WSED2 (0-0.5)B	*	1	1955		X				X															X					X					
2WSED8 (1-2) B	*	1	2001		X				X															X					X					
2WSED10 (1-2) B	*	1	2006		X				X															X					X					

FORM XIV - IN

171629

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 07/14/08

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208071047 End Date: 07/15/08

Instrument ID Number: ICP6 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
CCV	*	1	2012		X				X															X						X				
CCB	*	1	2018		X				X															X						X				
MB624022	*	1	2025		X				X															X						X				
LCS624023	*	1	2032		X				X															X						X				
4WSED3 (0-0.5)A	*	1	2038		X				X															X						X				
4WSED3 (0-0.5)MS A	*	1	2043		X				X															X						X				
4WSED3 (0-0.5)MSD A	*	1	2049		X				X															X						X				
4WSED3 (0-0.5)APDS	*	1	2054		X				X															X						X				
4WSED3 (0-0.5)ASD	*	5	2100		X				X															X						X				
4WSED2 (0-0.5)A	*	1	2106		X				X															X						X				
2WSED8 (1-2) A	*	1	2112		X				X															X						X				
2WSED10 (1-2) A	*	1	2117		X				X															X						X				
CCV	*	1	2123		X				X															X						X				
CCB	*	1	2129		X				X															X						X				

FORM XIV - IN

171630

ICP ANALYSIS

ICP6

ANALYST CNB
DATE 7/14/2008
TIME 12:10

AS#	SAMPLE ID	
1	CALIBRATION BLANK	
2	STANDARD 1	176-1-2
200.7 ✓	ICV-1600	173-99-8
✓	ICV2-1601	~~176-1-4~~ 176-1-5 CNB 7-15-08
✓	ICB-1700	
✓	CRDL-2300	173-99-6
✓	CRDL-2301	176-1-4
✓	ICSA-2000 F: Li, Si	173-100-2
✓	ICSAB-2100 F: Si	173-94-3
200.7 ✓	CCV-1800	
✓	CCB-1900	

			Dilution
17	623281	MB for HBN 392379 W	
18	623282	LCS for HBN 392379 W	
19	--- 0082 ---	N 20807094501	
20		N 20807094502 DUP	
21	623283	N 20807094501 MS	
22	625250	N 20807094501 PDS	
23	625251	N 20807094501 SD	5 X
24		---	
25		---	
26		---	
✓	CCV-1800		
✓	CCB-1900		
27		20807092601	
28		20807097301	5 X
29		20807098604	5 X
30		20807098605 FLDDUP	5 X
31		20807098801	5 X
32		20807098901	5 X
33		20807101202	
34		---	
35		---	
36		---	
✓	CCV-1800		
✓	CCB-1900 F: Na, K		
37	624040	MB for HBN 392482 W	
38	624041	LCS for HBN 392482 W	
39	--- 4476 ---	D 20807101606	
40		D 20807101607 MS	
41		D 20807101608 MSD	
42	625306	D 20807101606 PDS	
43	625307	D 20807101606 SD	5 X
44		D 20807101610 EQBLK	
45		---	
46		---	

AS#	SAMPLE ID		Dilution
✓	CCV-1800		
✓	CCB-1900 F: Na, K		
47		D 20807101601	
48		D 20807101602	
49		D 20807101603	
50		D 20807101604	
51		D 20807101605	
52		D 20807101609	
53		---	
54		---	
55		---	
56		---	
✓	CCV-1800		
✓	CCB-1900 F: Na, K		
57	624290	MB for HBN 392525 S	
58	624291	LCS for HBN 392525 S	
59	--- 4482 ---	N 20807104702	
60		N 20807104704 MS	
61		N 20807104706 MSD	
62	625308	N 20807104702 PDS	
63	625309	N 20807104702 SD	5 X
64		N 20807104708	
65		N 20807104710	
66		N 20807104712	
✓	CCV-1800		
✓	CCB-1900 F: Na, K		
67	624022	MB for HBN 392477 S	
68	624023	LCS for HBN 392477 S	
69	--- 4482 ---	N 20807104701	
70		N 20807104703 MS	
71		N 20807104705 MSD	
72	625310	N 20807104701 PDS	
73	625311	N 20807104701 SD	5 X
74		N 20807104707	
75		N 20807104709	
76		N 20807104711	
✓	CCV-1800		
✓	CCB-1900 F: Ba, Fe, K, Na *		

ANALYST QC REV: CNB
SECONDARY REV: MMP

QC CONTROL LIMITS:
ICV (200.7) 95-105%
ICV (6010B) 90-110%
ICSAB 80-120%
CCV 90-110%

COMMENTS: 5114, 392686
* Hits for Ba, Fe, K, Na are insignificant compared to sample concentrations.

QC: all acceptable qc noted with a checkmark; failures as indicated.

ICP6
(Page 2)

ANALYST CNB
DATE 7/14/2008

AS#	SAMPLE ID		
77	621689	MB for HBN 392114 W	
78	621690	LCS for HBN 392114 W	
79	--- 4271 ---	R 20807035302 RR@5x OLPNa	
80	621691	R 20807035302 DUP	
81	621692	R 20807035302 MS	
82	625403	R 20807035302 PDS	
83	625404	R 20807035302 SD	5 X
84		R 20807035301	
85		R 20807035303	
86		R 20807035304 RR@2x OLPNa	
	✓ CCV-1800		
	✓ CCB-1900 F: Na, Br**		
87		R 20807035305 RR@2x OLPNa	
88		R 20807035306	
89		R 20807035307	
90		R 20807035308	
91		R 20807035309	
92		R 20807035310	
93		R 20807035311	
94		---	
95		---	
96		---	
	✓ CCV-1800		
	✓ CCB-1900 F: Na**		
97		IV 20807100102	2 X
98		IV 20807100106	2 X
99		IV 20807100107	5 X
100		IV 20807100117	2 X
101		IV 20807100137	
102		IV 20807100138	2 X
103		IV 20807100139	
104		IV 20807100140	
105		IV 20807100141	
106		---	
	✓ CCV-1800		
	✓ CCB-1900 F: Ca, Na, K		
107	623610	MB for HBN 392411 S not analyzed	
108	623611	LCS for HBN 392411 S	
109	--- 3031 ---	IV 20807100142	
110		IV 20807100143 MS	
111		IV 20807100144 MSD	
112	624835	IV 20807100142 PDS	
113	624836	IV 20807100142 SD	5 X
114	--- 3031 ---	IV 20807100155	
115		IV 20807100156 MS	
116		IV 20807100157 MSD	

AS#	SAMPLE ID		Dilution
	7 CCV-1800		
	1 CCB-1900		
117		IV 20807100145 not analyzed	
118		IV 20807100146	
119		IV 20807100147	
120		IV 20807100148	
121		IV 20807100149	
122		IV 20807100150	
123		IV 20807100151	
124		IV 20807100152	
125		IV 20807100153	
126		IV 20807100154	
	7 CCV-1800		
	1 CCB-1900		
127		IV 20807100158 not analyzed	
128		IV 20807100159	
129		IV 20807100160	
130		IV 20807100161	
131		---	
132		---	
133		---	
134		---	
135		---	
136		---	
	7 CCV-1800		
	1 CCB-1900		
137	621887	MB for HBN 392155 S not analyzed	
138	621888	LCS for HBN 392155 S	
139	--- 4514 ---	20807071701	
140	621889	20807071701 DUP	
141	621890	20807071701 MS	
142	625405	20807071701 PDS	
143	625406	20807071701 SD	5 X
144		20807071702	
145		20807071703	
146		20807071704	

CCV 1800
CCB 1900

COMMENTS: ~~5115, 392717~~ 5114, 392686
** Hit for Na insignificant Compared to sample Concentrations

Time

Sequence No.: 1
Sample ID: Calib Blank 1

Autosampler Location: 1
Date Collected: 7/14/2008 12:10:37 PM
Data Type: Reprocessed on 7/15/2008 8:57:57 AM

Logged In Analyst (Original) : met

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ar 363.268 A	112919.2	366.79	0.32%	100.000	%
Ar 420.067 R	3389604.5	3423.72	0.10%	100.0000	%
Scandium-IS	4649942.5	19006.66	0.41%	100.000	%
Yttrium,7440-65-5A	2269880.8	9244.11	0.41%	100.000	%
Yttrium,7440-65-5R	343148.9	5797.01	1.69%	100.000	%
Aluminum,7429-90-5†	130.2	2.18	1.67%	[0.00]	mg/L
Antimony,7440-36-0†	52.6	6.27	11.93%	[0.00]	mg/L
Arsenic,7440-38-2†	-4.7	3.41	72.19%	[0.00]	mg/L
Barium,7440-39-3†	52.0	4.25	8.19%	[0.00]	mg/L
Beryllium,7440-41-7†	-11131.2	140.27	1.26%	[0.00]	mg/L
Boron,7440-42-8†	2559.2	15.53	0.61%	[0.00]	mg/L
Cadmium,7440-43-9†	135.0	6.83	5.06%	[0.00]	mg/L
Calcium,7440-70-2†	883.1	37.57	4.25%	[0.00]	mg/L
Chromium,7440-47-3†	213.7	8.93	4.18%	[0.00]	mg/L
Cobalt,7440-48-4†	-85.1	8.22	9.66%	[0.00]	mg/L
Copper,7440-50-8†	6018.6	58.07	0.96%	[0.00]	mg/L
Iron,7439-89-6†	207.5	11.63	5.60%	[0.00]	mg/L
Lead,7439-92-1†	48.8	16.37	33.55%	[0.00]	mg/L
Lithium,7439-93-2†	1283.9	167.06	13.01%	[0.00]	mg/L
Magnesium,7439-95-4†	-93.8	11.58	12.35%	[0.00]	mg/L
Manganese, 7439-96-5†	533.3	32.84	6.16%	[0.00]	mg/L
Molybdenum,7439-98-7†	-153.0	14.44	9.44%	[0.00]	mg/L
Nickel,7440-02-0†	237.8	18.87	7.93%	[0.00]	mg/L
Potassium,7440-09-7†	-208.1	53.08	25.50%	[0.00]	mg/L
Selenium,7782-49-2†	-9.3	1.59	17.07%	[0.00]	mg/L
Silicon,7440-21-3†	336.1	9.04	2.69%	[0.00]	mg/L
Silver,7440-22-4†	-6784.8	96.22	1.42%	[0.00]	mg/L
Sodium,7440-23-5†	146.1	20.95	14.34%	[0.00]	mg/L
Strontium,7440-24-6†	1109.5	75.64	6.82%	[0.00]	mg/L
Thallium,7440-28-0†	-71.3	5.57	7.82%	[0.00]	mg/L
Tin,7440-31-5†	97.8	6.30	6.45%	[0.00]	mg/L
Titanium,7440-32-6†	204.9	44.18	21.56%	[0.00]	mg/L
Vanadium,7440-62-2†	6168.8	13.84	0.22%	[0.00]	mg/L
Zinc,7440-66-6†	329.4	13.22	4.01%	[0.00]	mg/L
Zirconium,7440-67-7†	2991.7	46.83	1.57%	[0.00]	mg/L

Sequence No.: 2
Sample ID: Calib Std 1

Autosampler Location: 2
Date Collected: 7/14/2008 12:17:17 PM
Data Type: Reprocessed on 7/15/2008 8:57:58 AM

Logged In Analyst (Original) : met

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ar 363.268 A	112191.8	151.87	0.14%	99.3558	%
Ar 420.067 R	3372678.0	1925.93	0.06%	99.5006	%
Scandium-IS	4570859.2	39385.88	0.86%	98.2993	%
Yttrium,7440-65-5A	2180322.7	18971.74	0.87%	96.0545	%
Yttrium,7440-65-5R	336859.1	4995.18	1.48%	98.1670	%
Aluminum,7429-90-5†	20251.1	189.88	0.94%	[10.00000]	mg/L
Antimony,7440-36-0†	5006.9	94.73	1.89%	[1.000000]	mg/L
Arsenic,7440-38-2†	2247.5	48.29	2.15%	[1.000000]	mg/L
Barium,7440-39-3†	300632.7	531.93	0.18%	[1.000000]	mg/L
Beryllium,7440-41-7†	6236518.8	103443.29	1.66%	[1.000000]	mg/L
Boron,7440-42-8†	402869.2	1660.11	0.41%	[5.00]	mg/L
Cadmium,7440-43-9†	308245.1	273.38	0.09%	[1.000000]	mg/L
Calcium,7440-70-2†	134519.0	1201.09	0.89%	[10.00000]	mg/L
Chromium,7440-47-3†	252333.1	395.20	0.16%	[1.000000]	mg/L

Cobalt,7440-48-4†	81931.4	90.06	0.11%	[1.000000] mg/L
Copper,7440-50-8†	462164.9	482.35	0.10%	[1.000000] mg/L
Iron,7439-89-6†	183520.2	1616.84	0.88%	[10.00000] mg/L
Lead,7439-92-1†	14280.3	270.03	1.89%	[1.000000] mg/L
Lithium,7439-93-2†	96398.4	779.54	0.81%	[1.00] mg/L
Magnesium,7439-95-4†	32009.9	303.79	0.95%	[10.00000] mg/L
Manganese, 7439-96-5†	1085052.7	950.35	0.09%	[1.000000] mg/L
Molybdenum,7439-98-7†	22773.9	427.14	1.88%	[1.00] mg/L
Nickel,7440-02-0†	81063.4	13.06	0.02%	[1.000000] mg/L
Potassium,7440-09-7†	81767.3	663.96	0.81%	[20.00000] mg/L
Selenium,7782-49-2†	2164.1	49.41	2.28%	[1.000000] mg/L
Silicon,7440-21-3†	65934.0	534.99	0.81%	[10.0] mg/L
Silver,7440-22-4†	417125.6	413.89	0.10%	[1.000000] mg/L
Sodium,7440-23-5†	367953.6	9178.46	2.49%	[40.00000] mg/L
Strontium,7440-24-6†	1096151.6	27036.18	2.47%	[1.00] mg/L
Thallium,7440-28-0†	6814.6	132.44	1.94%	[1.000000] mg/L
Tin,7440-31-5†	12501.3	289.96	2.32%	[1.00] mg/L
Titanium,7440-32-6†	791526.1	1687.68	0.21%	[1.000000] mg/L
Vanadium,7440-62-2†	213652.5	291.41	0.14%	[1.000000] mg/L
Zinc,7440-66-6†	168270.7	137.03	0.08%	[1.000000] mg/L
Zirconium,7440-67-7†	816898.1	2369.58	0.29%	[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	2025	0.00000	1.000000	
Antimony,7440-36-0	1	Lin, Calc Int	0.0	5007	0.00000	1.000000	
Arsenic,7440-38-2	1	Lin, Calc Int	0.0	2248	0.00000	1.000000	
Barium,7440-39-3	1	Lin, Calc Int	0.0	300600	0.00000	1.000000	
Beryllium,7440-41-7	1	Lin, Calc Int	0.0	6237000	0.00000	1.000000	
Boron,7440-42-8	1	Lin, Calc Int	0.0	80570	0.00000	1.000000	
Cadmium,7440-43-9	1	Lin, Calc Int	0.0	308200	0.00000	1.000000	
Calcium,7440-70-2	1	Lin, Calc Int	0.0	13450	0.00000	1.000000	
Chromium,7440-47-3	1	Lin, Calc Int	0.0	252300	0.00000	1.000000	
Cobalt,7440-48-4	1	Lin, Calc Int	0.0	81930	0.00000	1.000000	
Copper,7440-50-8	1	Lin, Calc Int	0.0	462200	0.00000	1.000000	
Iron,7439-89-6	1	Lin, Calc Int	-0.0	18350	0.00000	1.000000	
Lead,7439-92-1	1	Lin, Calc Int	0.0	14280	0.00000	1.000000	
Lithium,7439-93-2	1	Lin, Calc Int	0.0	96400	0.00000	1.000000	
Magnesium,7439-95-4	1	Lin, Calc Int	0.0	3201	0.00000	1.000000	
Manganese, 7439-96-5	1	Lin, Calc Int	0.0	1085000	0.00000	1.000000	
Molybdenum,7439-98-7	1	Lin, Calc Int	0.0	22770	0.00000	1.000000	
Nickel,7440-02-0	1	Lin, Calc Int	0.0	81060	0.00000	1.000000	
Potassium,7440-09-7	1	Lin, Calc Int	0.0	4088	0.00000	1.000000	
Selenium,7782-49-2	1	Lin, Calc Int	0.0	2164	0.00000	1.000000	
Silicon,7440-21-3	1	Lin, Calc Int	0.0	6593	0.00000	1.000000	
Silver,7440-22-4	1	Lin, Calc Int	0.0	417100	0.00000	1.000000	
Sodium,7440-23-5	1	Lin, Calc Int	-0.0	9199	0.00000	1.000000	
Strontium,7440-24-6	1	Lin, Calc Int	0.0	1096000	0.00000	1.000000	
Thallium,7440-28-0	1	Lin, Calc Int	0.0	6815	0.00000	1.000000	
Tin,7440-31-5	1	Lin, Calc Int	0.0	12500	0.00000	1.000000	
Titanium,7440-32-6	1	Lin, Calc Int	0.0	791500	0.00000	1.000000	
Vanadium,7440-62-2	1	Lin, Calc Int	0.0	213700	0.00000	1.000000	
Zinc,7440-66-6	1	Lin, Calc Int	0.0	168300	0.00000	1.000000	
Zirconium,7440-67-7	1	Lin, Calc Int	0.0	816900	0.00000	1.000000	

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Sequence No.: 3
Sample ID: 1600

Autosampler Location: 11
Date Collected: 7/14/2008 12:22:44 PM
Data Type: Reprocessed on 7/15/2008 8:58:15 AM

Logged In Analyst (Original) : met

Mean Data: 1600

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	112176.8	99.3425	%	0.16085				0.16%
Ar 420.067 R	3367531.7	99.3488	%	0.28908				0.29%
Scandium-IS	4568438.2	98.2472	%	0.70655				0.72%
Yttrium,7440-65-5A	2185766.1	96.2943	%	0.38798				0.40%

171634

Yttrium,7440-65-5R	336461.0	98.0510 %	0.65072				0.66%
Aluminum,7429-90-5†	20067.1	9.91595 mg/L	0.106622	9.91595 mg/L	0.106622	1.08%	
QC value within limits for Aluminum,7429-90-5 Recovery = 99.16%							
Antimony,7440-36-0†	5063.9	1.00109 mg/L	0.014793	1.00109 mg/L	0.014793	1.48%	
QC value within limits for Antimony,7440-36-0 Recovery = 100.11%							
Arsenic,7440-38-2†	2245.3	1.00827 mg/L	0.007190	1.00827 mg/L	0.007190	0.71%	
QC value within limits for Arsenic,7440-38-2 Recovery = 100.83%							
Barium,7440-39-3†	308359.6	1.02494 mg/L	0.002324	1.02494 mg/L	0.002324	0.23%	
QC value within limits for Barium,7440-39-3 Recovery = 102.49%							
Beryllium,7440-41-7†	6153963.9	0.98566 mg/L	0.001851	0.98566 mg/L	0.001851	0.19%	
QC value within limits for Beryllium,7440-41-7 Recovery = 98.57%							
Boron,7440-42-8†	415487.1	5.16220 mg/L	0.010755	5.16220 mg/L	0.010755	0.21%	
QC value within limits for Boron,7440-42-8 Recovery = 103.24%							
Cadmium,7440-43-9†	306524.2	0.99353 mg/L	0.002119	0.99353 mg/L	0.002119	0.21%	
QC value within limits for Cadmium,7440-43-9 Recovery = 99.35%							
Calcium,7440-70-2†	134872.9	10.0209 mg/L	0.15312	10.0209 mg/L	0.15312	1.53%	
QC value within limits for Calcium,7440-70-2 Recovery = 100.21%							
Chromium,7440-47-3†	253550.8	1.00503 mg/L	0.002442	1.00503 mg/L	0.002442	0.24%	
QC value within limits for Chromium,7440-47-3 Recovery = 100.50%							
Cobalt,7440-48-4†	80933.0	0.98404 mg/L	0.002428	0.98404 mg/L	0.002428	0.25%	
QC value within limits for Cobalt,7440-48-4 Recovery = 98.40%							
Copper,7440-50-8†	456398.0	0.98751 mg/L	0.002193	0.98751 mg/L	0.002193	0.22%	
QC value within limits for Copper,7440-50-8 Recovery = 98.75%							
Iron,7439-89-6†	183215.0	9.98258 mg/L	0.154165	9.98258 mg/L	0.154165	1.54%	
QC value within limits for Iron,7439-89-6 Recovery = 99.83%							
Lead,7439-92-1†	14332.1	0.99582 mg/L	0.013057	0.99582 mg/L	0.013057	1.31%	
QC value within limits for Lead,7439-92-1 Recovery = 99.58%							
Lithium,7439-93-2†	96100.5	0.99684 mg/L	0.016319	0.99684 mg/L	0.016319	1.64%	
QC value within limits for Lithium,7439-93-2 Recovery = 99.68%							
Magnesium,7439-95-4†	32807.9	10.2553 mg/L	0.13794	10.2553 mg/L	0.13794	1.35%	
QC value within limits for Magnesium,7439-95-4 Recovery = 102.55%							
Manganese, 7439-96-5†	1084604.1	0.99932 mg/L	0.002229	0.99932 mg/L	0.002229	0.22%	
QC value within limits for Manganese, 7439-96-5 Recovery = 99.93%							
Molybdenum,7439-98-7†	22794.0	1.00079 mg/L	0.013146	1.00079 mg/L	0.013146	1.31%	
QC value within limits for Molybdenum,7439-98-7 Recovery = 100.08%							
Nickel,7440-02-0†	80887.0	0.99651 mg/L	0.001923	0.99651 mg/L	0.001923	0.19%	
QC value within limits for Nickel,7440-02-0 Recovery = 99.65%							
Potassium,7440-09-7†	40939.5	10.0094 mg/L	0.15243	10.0094 mg/L	0.15243	1.52%	
QC value within limits for Potassium,7440-09-7 Recovery = 100.09%							
Selenium,7782-49-2†	2181.5	1.00991 mg/L	0.009696	1.00991 mg/L	0.009696	0.96%	
QC value within limits for Selenium,7782-49-2 Recovery = 100.99%							
Silicon,7440-21-3†	815.2	0.11961 mg/L	0.006078	0.11961 mg/L	0.006078	5.08%	
Silver,7440-22-4†	433568.5	1.04012 mg/L	0.001928	1.04012 mg/L	0.001928	0.19%	
QC value within limits for Silver,7440-22-4 Recovery = 104.01%							
Sodium,7440-23-5†	94421.4	10.2457 mg/L	0.13481	10.2457 mg/L	0.13481	1.32%	
QC value within limits for Sodium,7440-23-5 Recovery = 102.46%							
Strontium,7440-24-6†	1042798.8	0.95141 mg/L	0.013953	0.95141 mg/L	0.013953	1.47%	
QC value within limits for Strontium,7440-24-6 Recovery = 95.14%							
Thallium,7440-28-0†	6881.0	1.02851 mg/L	0.010444	1.02851 mg/L	0.010444	1.02%	
QC value within limits for Thallium,7440-28-0 Recovery = 102.85%							
Tin,7440-31-5†	13018.5	1.04929 mg/L	0.011303	1.04929 mg/L	0.011303	1.08%	
QC value within limits for Tin,7440-31-5 Recovery = 104.93%							
Titanium,7440-32-6†	786735.8	0.99353 mg/L	0.004619	0.99353 mg/L	0.004619	0.46%	
QC value within limits for Titanium,7440-32-6 Recovery = 99.35%							
Vanadium,7440-62-2†	212732.4	1.00507 mg/L	0.002500	1.00507 mg/L	0.002500	0.25%	
QC value within limits for Vanadium,7440-62-2 Recovery = 100.51%							
Zinc,7440-66-6†	167982.8	0.98995 mg/L	0.002563	0.98995 mg/L	0.002563	0.26%	
QC value within limits for Zinc,7440-66-6 Recovery = 98.99%							
Zirconium,7440-67-7†	3487.6	0.00279 mg/L	0.000383	0.00279 mg/L	0.000383	13.72%	

All analyte(s) passed QC.

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Sequence No.: 4
Sample ID: 1601

Autosampler Location: 12
Date Collected: 7/14/2008 12:28:06 PM
Data Type: Reprocessed on 7/15/2008 8:58:19 AM

Logged In Analyst (Original) : met

Mean Data: 1601

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

171635

Ar 363.268 A	113658.7	100.655	%	0.1102				0.11%
Ar 420.067 R	3383421.8	99.8176	%	0.15869				0.16%
Scandium-IS	4792919.8	103.075	%	0.3860				0.37%
Yttrium,7440-65-5A	2308149.1	101.686	%	0.3211				0.32%
Yttrium,7440-65-5R	356013.1	103.749	%	1.1265				1.09%
Aluminum,7429-90-5†	1.7	0.00083	mg/L	0.003906	0.00083	mg/L	0.003906	469.81%
Antimony,7440-36-0†	9.7	0.00193	mg/L	0.001904	0.00193	mg/L	0.001904	98.60%
Arsenic,7440-38-2†	2305.8	1.02592	mg/L	0.007710	1.02592	mg/L	0.007710	0.75%
Barium,7440-39-3†	104.0	0.00035	mg/L	0.000054	0.00035	mg/L	0.000054	15.61%
Beryllium,7440-41-7†	5252.9	0.00084	mg/L	0.000017	0.00084	mg/L	0.000017	2.05%
Boron,7440-42-8†	3526.3	0.04377	mg/L	0.003632	0.04377	mg/L	0.003632	8.30%
Cadmium,7440-43-9†	-679.9	-0.00221	mg/L	0.000047	-0.00221	mg/L	0.000047	2.12%
Calcium,7440-70-2†	2332.6	0.17340	mg/L	0.001276	0.17340	mg/L	0.001276	0.74%
Chromium,7440-47-3†	17.7	0.00007	mg/L	0.000052	0.00007	mg/L	0.000052	74.79%
Cobalt,7440-48-4†	39.1	0.00048	mg/L	0.000188	0.00048	mg/L	0.000188	39.39%
Copper,7440-50-8†	-651.5	-0.00141	mg/L	0.000101	-0.00141	mg/L	0.000101	7.16%
Iron,7439-89-6†	50.5	0.00275	mg/L	0.001367	0.00275	mg/L	0.001367	49.69%
Lead,7439-92-1†	12.1	0.00086	mg/L	0.000747	0.00086	mg/L	0.000747	87.12%
Lithium,7439-93-2†	32.8	0.00034	mg/L	0.000488	0.00034	mg/L	0.000488	143.37%
Magnesium,7439-95-4†	5.5	0.00172	mg/L	0.004348	0.00172	mg/L	0.004348	252.80%
Manganese, 7439-96-5†	827.7	0.00076	mg/L	0.000014	0.00076	mg/L	0.000014	1.82%
Molybdenum,7439-98-7†	29.2	0.00128	mg/L	0.000321	0.00128	mg/L	0.000321	24.97%
Nickel,7440-02-0†	65.7	0.00081	mg/L	0.000204	0.00081	mg/L	0.000204	25.20%
Potassium,7440-09-7†	223.4	0.05466	mg/L	0.015961	0.05466	mg/L	0.015961	29.20%
Selenium,7782-49-2†	6.2	0.00286	mg/L	0.001721	0.00286	mg/L	0.001721	60.17%
Silicon,7440-21-3†	59732.2	9.05940	mg/L	0.198010	9.05940	mg/L	0.198010	2.19%
QC value within limits for Silicon,7440-21-3 Recovery = 90.59%								
Silver,7440-22-4†	3471.8	0.00832	mg/L	0.000208	0.00832	mg/L	0.000208	2.51%
Sodium,7440-23-5†	727.1	0.07903	mg/L	0.009204	0.07903	mg/L	0.009204	11.65%
Strontium,7440-24-6†	116.7	0.00010	mg/L	0.000063	0.00010	mg/L	0.000063	61.90%
Thallium,7440-28-0†	7.8	0.00114	mg/L	0.000920	0.00114	mg/L	0.000920	80.69%
Tin,7440-31-5†	15.9	0.00128	mg/L	0.000144	0.00128	mg/L	0.000144	11.20%
Titanium,7440-32-6†	698.6	0.00088	mg/L	0.000110	0.00088	mg/L	0.000110	12.52%
Vanadium,7440-62-2†	-102.5	-0.00047	mg/L	0.000301	-0.00047	mg/L	0.000301	63.72%
Zinc,7440-66-6†	1971.3	0.01171	mg/L	0.000116	0.01171	mg/L	0.000116	0.99%
Zirconium,7440-67-7†	858982.9	1.05152	mg/L	0.000445	1.05152	mg/L	0.000445	0.04%
QC value within limits for Zirconium,7440-67-7 Recovery = 105.15%								

All analyte(s) passed QC.

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Sequence No.: 5 **Autosampler Location: 1**
Sample ID: 1700 **Date Collected: 7/14/2008 12:35:05 PM**
Data Type: Reprocessed on 7/15/2008 8:58:21 AM

Logged In Analyst (Original) : met

Mean Data: 1700

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	113162.1	100.215	%	0.2201				0.22%
Ar 420.067 R	3381298.3	99.7550	%	0.23873				0.24%
Scandium-IS	4625275.8	99.4695	%	0.94692				0.95%
Yttrium,7440-65-5A	2260310.6	99.5784	%	0.88973				0.89%
Yttrium,7440-65-5R	345840.9	100.784	%	0.6229				0.62%
Aluminum,7429-90-5†	-7.5	-0.00368	mg/L	0.002841	-0.00368	mg/L	0.002841	77.20%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	-0.8	-0.00015	mg/L	0.001536	-0.00015	mg/L	0.001536	>999.9%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	0.8	0.00037	mg/L	0.000990	0.00037	mg/L	0.000990	267.71%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	3.4	0.00001	mg/L	0.000033	0.00001	mg/L	0.000033	276.01%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	410.8	0.00007	mg/L	0.000019	0.00007	mg/L	0.000019	29.41%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1322.9	0.01642	mg/L	0.001582	0.01642	mg/L	0.001582	9.64%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	11.2	0.00004	mg/L	0.000041	0.00004	mg/L	0.000041	111.68%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-91.4	-0.00679	mg/L	0.004088	-0.00679	mg/L	0.004088	60.19%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	9.5	0.00004	mg/L	0.000099	0.00004	mg/L	0.000099	257.62%

QC value within limits for Chromium,7440-47-3 Recovery = Not calculated
Cobalt,7440-48-4† 1.6 0.00002 mg/L 0.000244 0.00002 mg/L 0.000244 >999.9%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated
Copper,7440-50-8† -926.7 -0.00201 mg/L 0.000117 -0.00201 mg/L 0.000117 5.84%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated
Iron,7439-89-6† 3.1 0.00017 mg/L 0.001036 0.00017 mg/L 0.001036 611.61%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated
Lead,7439-92-1† -1.0 -0.00006 mg/L 0.001211 -0.00006 mg/L 0.001211 >999.9%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated
Lithium,7439-93-2† -12.3 -0.00013 mg/L 0.001514 -0.00013 mg/L 0.001514 >999.9%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated
Magnesium,7439-95-4† 4.5 0.00139 mg/L 0.006981 0.00139 mg/L 0.006981 501.28%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated
Manganese, 7439-96-5† 7.3 0.00001 mg/L 0.000016 0.00001 mg/L 0.000016 241.07%
QC value within limits for Manganese, 7439-96-5 Recovery = Not calculated
Molybdenum,7439-98-7† 13.4 0.00059 mg/L 0.000286 0.00059 mg/L 0.000286 48.76%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated
Nickel,7440-02-0† 44.3 0.00055 mg/L 0.000187 0.00055 mg/L 0.000187 34.14%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated
Potassium,7440-09-7† 8.8 0.00215 mg/L 0.004255 0.00215 mg/L 0.004255 197.97%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated
Selenium,7782-49-2† 0.0 0.00001 mg/L 0.003675 0.00001 mg/L 0.003675 >999.9%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated
Silicon,7440-21-3† 19.8 0.00300 mg/L 0.001431 0.00300 mg/L 0.001431 47.69%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated
Silver,7440-22-4† 101.0 0.00024 mg/L 0.000154 0.00024 mg/L 0.000154 63.45%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated
Sodium,7440-23-5† 11.9 0.00130 mg/L 0.004210 0.00130 mg/L 0.004210 324.15%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated
Strontium,7440-24-6† 48.5 0.00004 mg/L 0.000030 0.00004 mg/L 0.000030 67.44%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated
Thallium,7440-28-0† 3.9 0.00057 mg/L 0.001770 0.00057 mg/L 0.001770 312.09%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated
Tin,7440-31-5† 2.1 0.00017 mg/L 0.000412 0.00017 mg/L 0.000412 247.82%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated
Titanium,7440-32-6† 31.1 0.00004 mg/L 0.000053 0.00004 mg/L 0.000053 135.92%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated
Vanadium,7440-62-2† 16.7 0.00008 mg/L 0.000328 0.00008 mg/L 0.000328 390.61%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated
Zinc,7440-66-6† -172.1 -0.00102 mg/L 0.000056 -0.00102 mg/L 0.000056 5.44%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated
Zirconium,7440-67-7† 307.8 0.00038 mg/L 0.000123 0.00038 mg/L 0.000123 32.60%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
All analyte(s) passed QC.

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Sequence No.: 6 **Autosampler Location: 3**
Sample ID: 2300 **Date Collected: 7/14/2008 12:42:01 PM**
Data Type: Reprocessed on 7/15/2008 8:58:23 AM

Logged In Analyst (Original) : met

Mean Data: 2300

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	113654.8	100.651	%	0.3531				0.35%
Ar 420.067 R	3393019.1	100.101	%	0.3174				0.32%
Scandium-IS	4631733.5	99.6084	%	0.78076				0.78%
Yttrium,7440-65-5A	2247499.0	99.0140	%	0.77362				0.78%
Yttrium,7440-65-5R	347613.1	101.301	%	0.7552				0.75%
Aluminum,7429-90-5†	525.9	0.25962	mg/L	0.001466	0.25962	mg/L	0.001466	0.56%
QC value within limits for Aluminum,7429-90-5 Recovery = 129.81%								
Antimony,7440-36-0†	288.8	0.05755	mg/L	0.000890	0.05755	mg/L	0.000890	1.55%
QC value within limits for Antimony,7440-36-0 Recovery = 95.92%								
Arsenic,7440-38-2†	21.2	0.00967	mg/L	0.003967	0.00967	mg/L	0.003967	41.04%
QC value within limits for Arsenic,7440-38-2 Recovery = 96.66%								
Barium,7440-39-3†	3085.6	0.01025	mg/L	0.000138	0.01025	mg/L	0.000138	1.35%
QC value within limits for Barium,7440-39-3 Recovery = 102.51%								
Beryllium,7440-41-7†	30708.8	0.00486	mg/L	0.000012	0.00486	mg/L	0.000012	0.25%
QC value within limits for Beryllium,7440-41-7 Recovery = 97.29%								
Boron,7440-42-8†	38824.2	0.48211	mg/L	0.000510	0.48211	mg/L	0.000510	0.11%

QC value within limits for Boron,7440-42-8 Recovery = 96.42%

Cadmium,7440-43-9†	1520.6	0.00493 mg/L	0.000055	0.00493 mg/L	0.000055	1.11%

QC value within limits for Cadmium,7440-43-9 Recovery = 98.58%

Calcium,7440-70-2†	3991.4	0.29660 mg/L	0.002340	0.29660 mg/L	0.002340	0.79%
Chromium,7440-47-3†	2557.7	0.01013 mg/L	0.000030	0.01013 mg/L	0.000030	0.29%

QC value within limits for Chromium,7440-47-3 Recovery = 101.34%

Cobalt,7440-48-4†	817.1	0.00973 mg/L	0.000283	0.00973 mg/L	0.000283	2.90%

QC value within limits for Cobalt,7440-48-4 Recovery = 97.35%

Copper,7440-50-8†	5026.2	0.01089 mg/L	0.000324	0.01089 mg/L	0.000324	2.97%

QC value within limits for Copper,7440-50-8 Recovery = 108.89%

Iron,7439-89-6†	1936.5	0.10550 mg/L	0.000773	0.10550 mg/L	0.000773	0.73%

QC value within limits for Iron,7439-89-6 Recovery = 105.50%

Lead,7439-92-1†	212.6	0.01483 mg/L	0.000702	0.01483 mg/L	0.000702	4.73%

QC value within limits for Lead,7439-92-1 Recovery = 98.86%

Lithium,7439-93-2†	4936.5	0.05121 mg/L	0.000784	0.05121 mg/L	0.000784	1.53%

QC value within limits for Lithium,7439-93-2 Recovery = 102.41%

Magnesium,7439-95-4†	339.6	0.10616 mg/L	0.000616	0.10616 mg/L	0.000616	0.58%

QC value within limits for Magnesium,7439-95-4 Recovery = 106.16%

Manganese, 7439-96-5†	18323.0	0.01685 mg/L	0.000172	0.01685 mg/L	0.000172	1.02%

QC value within limits for Manganese, 7439-96-5 Recovery = 112.32%

Molybdenum,7439-98-7†	1118.5	0.04910 mg/L	0.000339	0.04910 mg/L	0.000339	0.69%

QC value within limits for Molybdenum,7439-98-7 Recovery = 98.20%

Nickel,7440-02-0†	3240.3	0.03994 mg/L	0.000608	0.03994 mg/L	0.000608	1.52%

QC value within limits for Nickel,7440-02-0 Recovery = 99.84%

Potassium,7440-09-7†	2043.8	0.49977 mg/L	0.006559	0.49977 mg/L	0.006559	1.31%

QC value within limits for Potassium,7440-09-7 Recovery = 99.95%

Selenium,7782-49-2†	81.2	0.03757 mg/L	0.001684	0.03757 mg/L	0.001684	4.48%

QC value within limits for Selenium,7782-49-2 Recovery = 93.92%

Silicon,7440-21-3†	24.7	0.00369 mg/L	0.001263	0.00369 mg/L	0.001263	34.25%
Silver,7440-22-4†	4114.5	0.00987 mg/L	0.000272	0.00987 mg/L	0.000272	2.76%

QC value within limits for Silver,7440-22-4 Recovery = 98.71%

Sodium,7440-23-5†	9629.2	1.04666 mg/L	0.009933	1.04666 mg/L	0.009933	0.95%

QC value within limits for Sodium,7440-23-5 Recovery = 104.67%

Strontium,7440-24-6†	54589.5	0.04980 mg/L	0.000213	0.04980 mg/L	0.000213	0.43%

QC value within limits for Strontium,7440-24-6 Recovery = 99.59%

Thallium,7440-28-0†	58.6	0.00942 mg/L	0.000320	0.00942 mg/L	0.000320	3.39%

QC value within limits for Thallium,7440-28-0 Recovery = 94.22%

Tin,7440-31-5†	1246.8	0.09982 mg/L	0.001273	0.09982 mg/L	0.001273	1.28%
Titanium,7440-32-6†	76973.2	0.09724 mg/L	0.000177	0.09724 mg/L	0.000177	0.18%

QC value within limits for Titanium,7440-32-6 Recovery = 97.24%

Vanadium,7440-62-2†	4070.4	0.01943 mg/L	0.000509	0.01943 mg/L	0.000509	2.62%

QC value within limits for Vanadium,7440-62-2 Recovery = 97.17%

Zinc,7440-66-6†	5077.6	0.02992 mg/L	0.000332	0.02992 mg/L	0.000332	1.11%
Zirconium,7440-67-7†	8283.9	0.01006 mg/L	0.000117	0.01006 mg/L	0.000117	1.16%

All analyte(s) passed QC.

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Sequence No.: 7 **Autosampler Location: 3**
Sample ID: 2300 **Date Collected: 7/14/2008 12:57:02 PM**
Data Type: Reprocessed on 7/15/2008 8:58:25 AM

Logged In Analyst (Original) : met

Mean Data: 2300

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	114238.4	101.168	%	0.1837				0.18%
Ar 420.067 R	3425117.8	101.048	%	0.4126				0.41%
Scandium-IS	4607904.8	99.0960	%	0.78686				0.79%
Yttrium,7440-65-5A	2233756.4	98.4085	%	0.78976				0.80%
Yttrium,7440-65-5R	343314.3	100.048	%	1.0566				1.06%
Aluminum,7429-90-5†	528.2	0.26079	mg/L	0.004013	0.26079	mg/L	0.004013	1.54%

QC value within limits for Aluminum,7429-90-5 Recovery = 130.40%

Antimony,7440-36-0†	283.7	0.05653	mg/L	0.000883	0.05653	mg/L	0.000883	1.56%

QC value within limits for Antimony,7440-36-0 Recovery = 94.22%

Arsenic,7440-38-2†	19.3	0.00884	mg/L	0.000738	0.00884	mg/L	0.000738	8.35%

QC value within limits for Arsenic,7440-38-2 Recovery = 88.37%

Barium,7440-39-3†	3095.2	0.01028	mg/L	0.000117	0.01028	mg/L	0.000117	1.13%

QC value within limits for Barium,7440-39-3 Recovery = 102.82%

Beryllium,7440-41-7†	30652.4	0.00486	mg/L	0.000019	0.00486	mg/L	0.000019	0.39%

QC value within limits for Beryllium,7440-41-7 Recovery = 97.11%

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Boron,7440-42-8†	38303.8	0.47566 mg/L	0.002434	0.47566 mg/L	0.002434	0.51%
QC value within limits for Boron,7440-42-8 Recovery = 95.13%						
Cadmium,7440-43-9†	1526.3	0.00495 mg/L	0.000006	0.00495 mg/L	0.000006	0.12%
QC value within limits for Cadmium,7440-43-9 Recovery = 98.95%						
Calcium,7440-70-2†	3927.7	0.29186 mg/L	0.007230	0.29186 mg/L	0.007230	2.48%
Chromium,7440-47-3†	2581.1	0.01023 mg/L	0.000048	0.01023 mg/L	0.000048	0.47%
QC value within limits for Chromium,7440-47-3 Recovery = 102.27%						
Cobalt,7440-48-4†	813.8	0.00969 mg/L	0.000251	0.00969 mg/L	0.000251	2.59%
QC value within limits for Cobalt,7440-48-4 Recovery = 96.92%						
Copper,7440-50-8†	5244.9	0.01136 mg/L	0.000145	0.01136 mg/L	0.000145	1.28%
QC value within limits for Copper,7440-50-8 Recovery = 113.62%						
Iron,7439-89-6†	1942.2	0.10581 mg/L	0.002146	0.10581 mg/L	0.002146	2.03%
QC value within limits for Iron,7439-89-6 Recovery = 105.81%						
Lead,7439-92-1†	198.3	0.01382 mg/L	0.001734	0.01382 mg/L	0.001734	12.55%
QC value within limits for Lead,7439-92-1 Recovery = 92.14%						
Lithium,7439-93-2†	5018.8	0.05206 mg/L	0.000473	0.05206 mg/L	0.000473	0.91%
QC value within limits for Lithium,7439-93-2 Recovery = 104.12%						
Magnesium,7439-95-4†	344.4	0.10766 mg/L	0.004149	0.10766 mg/L	0.004149	3.85%
QC value within limits for Magnesium,7439-95-4 Recovery = 107.66%						
Manganese, 7439-96-5†	18467.9	0.01698 mg/L	0.000243	0.01698 mg/L	0.000243	1.43%
QC value within limits for Manganese, 7439-96-5 Recovery = 113.21%						
Molybdenum,7439-98-7†	1142.8	0.05017 mg/L	0.000094	0.05017 mg/L	0.000094	0.19%
QC value within limits for Molybdenum,7439-98-7 Recovery = 100.33%						
Nickel,7440-02-0†	3221.5	0.03970 mg/L	0.000498	0.03970 mg/L	0.000498	1.26%
QC value within limits for Nickel,7440-02-0 Recovery = 99.26%						
Potassium,7440-09-7†	2098.5	0.51315 mg/L	0.009425	0.51315 mg/L	0.009425	1.84%
QC value within limits for Potassium,7440-09-7 Recovery = 102.63%						
Selenium,7782-49-2†	85.7	0.03962 mg/L	0.001400	0.03962 mg/L	0.001400	3.53%
QC value within limits for Selenium,7782-49-2 Recovery = 99.06%						
Silicon,7440-21-3†	12.7	0.00187 mg/L	0.000592	0.00187 mg/L	0.000592	31.65%
Silver,7440-22-4†	4149.2	0.00995 mg/L	0.000469	0.00995 mg/L	0.000469	4.71%
QC value within limits for Silver,7440-22-4 Recovery = 99.55%						
Sodium,7440-23-5†	9618.3	1.04546 mg/L	0.014628	1.04546 mg/L	0.014628	1.40%
QC value within limits for Sodium,7440-23-5 Recovery = 104.55%						
Strontium,7440-24-6†	54444.7	0.04966 mg/L	0.000784	0.04966 mg/L	0.000784	1.58%
QC value within limits for Strontium,7440-24-6 Recovery = 99.33%						
Thallium,7440-28-0†	57.9	0.00933 mg/L	0.001076	0.00933 mg/L	0.001076	11.53%
QC value within limits for Thallium,7440-28-0 Recovery = 93.31%						
Tin,7440-31-5†	1262.8	0.10110 mg/L	0.000764	0.10110 mg/L	0.000764	0.76%
Titanium,7440-32-6†	77330.8	0.09769 mg/L	0.000461	0.09769 mg/L	0.000461	0.47%
QC value within limits for Titanium,7440-32-6 Recovery = 97.69%						
Vanadium,7440-62-2†	4224.6	0.02015 mg/L	0.000523	0.02015 mg/L	0.000523	2.59%
QC value within limits for Vanadium,7440-62-2 Recovery = 100.77%						
Zinc,7440-66-6†	5144.3	0.03032 mg/L	0.000444	0.03032 mg/L	0.000444	1.46%
Zirconium,7440-67-7†	8015.3	0.00973 mg/L	0.000074	0.00973 mg/L	0.000074	0.76%

All analyte(s) passed QC.

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Sequence No.: 8 **Autosampler Location: 4**

Sample ID: 2301 **Date Collected: 7/14/2008 1:03:44 PM**

Data Type: Reprocessed on 7/15/2008 8:58:27 AM

Logged In Analyst (Original) : met

Mean Data: 2301

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	113475.5	100.493	%	0.2519				0.25%
Ar 420.067 R	3408265.2	100.551	%	0.3333				0.33%
Scandium-IS	4653957.0	100.086	%	0.7116				0.71%
Yttrium,7440-65-5A	2270257.9	100.017	%	0.7370				0.74%
Yttrium,7440-65-5R	349160.2	101.752	%	0.7424				0.73%
Aluminum,7429-90-5†	93.1	0.04599	mg/L	0.002344	0.04599	mg/L	0.002344	5.10%
Antimony,7440-36-0†	16.3	0.00323	mg/L	0.001501	0.00323	mg/L	0.001501	46.43%
QC value within limits for Antimony,7440-36-0 Recovery = 64.66%								
Arsenic,7440-38-2†	7.2	0.00326	mg/L	0.002590	0.00326	mg/L	0.002590	79.46%
QC value within limits for Arsenic,7440-38-2 Recovery = 65.19%								
Barium,7440-39-3†	1551.2	0.00516	mg/L	0.000041	0.00516	mg/L	0.000041	0.79%
Beryllium,7440-41-7†	4848.8	0.00078	mg/L	0.000012	0.00078	mg/L	0.000012	1.56%
QC value within limits for Beryllium,7440-41-7 Recovery = 96.99%								
Boron,7440-42-8†	2009.3	0.02497	mg/L	0.000235	0.02497	mg/L	0.000235	0.94%

QC value within limits for Boron,7440-42-8 Recovery = 83.23%

Cadmium,7440-43-9†	69.2	0.00022 mg/L	0.000026	0.00022 mg/L	0.000026	11.77%
QC value within limits for Cadmium,7440-43-9 Recovery = 110.79%						
Calcium,7440-70-2†	697.3	0.05182 mg/L	0.004396	0.05182 mg/L	0.004396	8.48%
QC value within limits for Calcium,7440-70-2 Recovery = 103.65%						
Chromium,7440-47-3†	518.8	0.00206 mg/L	0.000135	0.00206 mg/L	0.000135	6.57%
Cobalt,7440-48-4†	81.7	0.00099 mg/L	0.000188	0.00099 mg/L	0.000188	18.90%
Copper,7440-50-8†	1012.9	0.00219 mg/L	0.000193	0.00219 mg/L	0.000193	8.83%
Iron,7439-89-6†	697.0	0.03798 mg/L	0.000543	0.03798 mg/L	0.000543	1.43%
Lead,7439-92-1†	37.6	0.00262 mg/L	0.000383	0.00262 mg/L	0.000383	14.64%
Lithium,7439-93-2†	-92.7	-0.00096 mg/L	0.000981	-0.00096 mg/L	0.000981	101.95%
Magnesium,7439-95-4†	177.0	0.05537 mg/L	0.001628	0.05537 mg/L	0.001628	2.94%
Manganese, 7439-96-5†	11226.5	0.01035 mg/L	0.000147	0.01035 mg/L	0.000147	1.42%
QC value within limits for Manganese, 7439-96-5 Recovery = 103.47%						
Molybdenum,7439-98-7†	460.0	0.02020 mg/L	0.000456	0.02020 mg/L	0.000456	2.26%
Nickel,7440-02-0†	396.9	0.00489 mg/L	0.000419	0.00489 mg/L	0.000419	8.57%
Potassium,7440-09-7†	69.1	0.01688 mg/L	0.008199	0.01688 mg/L	0.008199	48.56%
Selenium,7782-49-2†	8.4	0.00390 mg/L	0.001026	0.00390 mg/L	0.001026	26.35%
Silicon,7440-21-3†	-0.9	-0.00017 mg/L	0.001278	-0.00017 mg/L	0.001278	769.12%
Silver,7440-22-4†	748.8	0.00180 mg/L	0.000082	0.00180 mg/L	0.000082	4.55%
Sodium,7440-23-5†	586.4	0.06368 mg/L	0.001011	0.06368 mg/L	0.001011	1.59%
Strontium,7440-24-6†	11519.2	0.01051 mg/L	0.000119	0.01051 mg/L	0.000119	1.13%
Thallium,7440-28-0†	6.8	0.00105 mg/L	0.000519	0.00105 mg/L	0.000519	49.22%
QC value within limits for Thallium,7440-28-0 Recovery = 52.73%						
Tin,7440-31-5†	322.9	0.02586 mg/L	0.000722	0.02586 mg/L	0.000722	2.79%
QC value within limits for Tin,7440-31-5 Recovery = 103.45%						
Titanium,7440-32-6†	-141.0	-0.00018 mg/L	0.000106	-0.00018 mg/L	0.000106	59.12%
Vanadium,7440-62-2†	986.5	0.00466 mg/L	0.000309	0.00466 mg/L	0.000309	6.62%
QC value within limits for Vanadium,7440-62-2 Recovery = 93.25%						
Zinc,7440-66-6†	1462.2	0.00865 mg/L	0.000028	0.00865 mg/L	0.000028	0.33%
QC value within limits for Zinc,7440-66-6 Recovery = 86.53%						
Zirconium,7440-67-7†	70.4	0.00008 mg/L	0.000168	0.00008 mg/L	0.000168	201.51%

All analyte(s) passed QC.

Sequence No.: 9 **Autosampler Location: 5**
Sample ID: 2000 **Date Collected: 7/14/2008 1:08:52 PM**
Data Type: Reprocessed on 7/15/2008 8:58:29 AM

Logged In Analyst (Original) : met

Mean Data: 2000

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	100474.2	88.9789	%	0.20291				0.23%
Ar 420.067 R	3179633.4	93.8054	%	0.16809				0.18%
Scandium-IS	4254072.1	91.4866	%	1.01840				1.11%
Yttrium,7440-65-5A	2031055.5	89.4785	%	0.91190				1.02%
Yttrium,7440-65-5R	324073.5	94.4411	%	1.23680				1.31%
Aluminum,7429-90-5†	437898.5	216.233	mg/L	2.7115	216.233	mg/L	2.7115	1.25%
QC value within limits for Aluminum,7429-90-5 Recovery = 108.12%								
Antimony,7440-36-0†	4.5	0.00279	mg/L	0.004426	0.00279	mg/L	0.004426	158.55%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-5.8	0.00042	mg/L	0.002997	0.00042	mg/L	0.002997	712.44%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	334.7	0.00027	mg/L	0.000042	0.00027	mg/L	0.000042	15.68%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-1701.6	-0.00014	mg/L	0.000012	-0.00014	mg/L	0.000012	8.51%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	-4791.3	-0.05278	mg/L	0.001551	-0.05278	mg/L	0.001551	2.94%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	883.3	0.00022	mg/L	0.000061	0.00022	mg/L	0.000061	27.81%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	2774395.3	206.235	mg/L	2.2473	206.235	mg/L	2.2473	1.09%
QC value within limits for Calcium,7440-70-2 Recovery = 103.12%								
Chromium,7440-47-3†	1204.1	-0.00035	mg/L	0.000187	-0.00035	mg/L	0.000187	53.88%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	86.2	-0.00024	mg/L	0.000105	-0.00024	mg/L	0.000105	43.20%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	1602.9	0.00000	mg/L	0.000046	0.00000	mg/L	0.000046	>999.9%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								

Iron,7439-89-6† 1523127.0 82.9870 mg/L 0.91761 82.9870 mg/L 0.91761 1.11%
QC value within limits for Iron,7439-89-6 Recovery = 103.73%
Lead,7439-92-1† -279.9 0.00018 mg/L 0.001754 0.00018 mg/L 0.001754 950.48%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated
Lithium,7439-93-2† -1340.0 -0.01332 mg/L 0.000688 -0.01332 mg/L 0.000688 5.16%
QC value less than the lower limit for Lithium,7439-93-2 Recovery = Not calculated
Magnesium,7439-95-4† 664403.0 207.554 mg/L 2.2602 207.554 mg/L 2.2602 1.09%
QC value within limits for Magnesium,7439-95-4 Recovery = 103.78%
Manganese, 7439-96-5† -70.7 0.00134 mg/L 0.000030 0.00134 mg/L 0.000030 2.23%
QC value within limits for Manganese, 7439-96-5 Recovery = Not calculated
Molybdenum,7439-98-7† -126.6 -0.00160 mg/L 0.000633 -0.00160 mg/L 0.000633 39.64%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated
Nickel,7440-02-0† 414.4 -0.00034 mg/L 0.000210 -0.00034 mg/L 0.000210 62.07%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated
Potassium,7440-09-7† 104.6 0.00530 mg/L 0.016306 0.00530 mg/L 0.016306 307.77%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated
Selenium,7782-49-2† -40.1 -0.00582 mg/L 0.002406 -0.00582 mg/L 0.002406 41.34%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated
Silicon,7440-21-3† 656.7 0.02076 mg/L 0.004645 0.02076 mg/L 0.004645 22.37%
QC value greater than the upper limit for Silicon,7440-21-3 Recovery = Not calculated
Silver,7440-22-4† -466.7 0.00025 mg/L 0.000137 0.00025 mg/L 0.000137 54.69%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated
Sodium,7440-23-5† 202.1 -0.15009 mg/L 0.003572 -0.15009 mg/L 0.003572 2.38%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated
Strontium,7440-24-6† 1108.8 -0.00047 mg/L 0.000055 -0.00047 mg/L 0.000055 11.76%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated
Thallium,7440-28-0† -38.1 -0.00185 mg/L 0.001527 -0.00185 mg/L 0.001527 82.52%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated
Tin,7440-31-5† -823.9 0.00109 mg/L 0.001976 0.00109 mg/L 0.001976 180.52%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated
Titanium,7440-32-6† 567.3 0.00065 mg/L 0.000016 0.00065 mg/L 0.000016 2.51%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated
Vanadium,7440-62-2† -615.2 0.00140 mg/L 0.000802 0.00140 mg/L 0.000802 57.24%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated
Zinc,7440-66-6† 1193.4 -0.00563 mg/L 0.000260 -0.00563 mg/L 0.000260 4.61%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated
Zirconium,7440-67-7† 3130.3 -0.00002 mg/L 0.000085 -0.00002 mg/L 0.000085 394.74%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
QC Failed. Continue with analysis.

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Sequence No.: 10 **Autosampler Location: 6**
Sample ID: 2100 **Date Collected: 7/14/2008 1:14:47 PM**
Data Type: Reprocessed on 7/15/2008 8:58:31 AM

Logged In Analyst (Original) : met

Mean Data: 2100

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	100805.8	89.2725	%	0.17373				0.19%
Ar 420.067 R	3193457.4	94.2133	%	0.09910				0.11%
Scandium-IS	4230340.1	90.9762	%	0.10880				0.12%
Yttrium,7440-65-5A	2024231.8	89.1779	%	0.10278				0.12%
Yttrium,7440-65-5R	322262.0	93.9132	%	0.71335				0.76%
Aluminum,7429-90-5†	464837.4	229.540	mg/L	1.4501	229.540	mg/L	1.4501	0.63%
QC value within limits for Aluminum,7429-90-5 Recovery = 114.77%								
Antimony,7440-36-0†	5771.8	1.14891	mg/L	0.018074	1.14891	mg/L	0.018074	1.57%
QC value within limits for Antimony,7440-36-0 Recovery = 114.89%								
Arsenic,7440-38-2†	2572.0	1.15396	mg/L	0.019609	1.15396	mg/L	0.019609	1.70%
QC value within limits for Arsenic,7440-38-2 Recovery = 115.40%								
Barium,7440-39-3†	174288.9	0.57842	mg/L	0.001609	0.57842	mg/L	0.001609	0.28%
QC value within limits for Barium,7440-39-3 Recovery = 115.68%								
Beryllium,7440-41-7†	3590897.2	0.57557	mg/L	0.001900	0.57557	mg/L	0.001900	0.33%
QC value within limits for Beryllium,7440-41-7 Recovery = 115.11%								
Boron,7440-42-8†	88587.1	1.10990	mg/L	0.004286	1.10990	mg/L	0.004286	0.39%
QC value within limits for Boron,7440-42-8 Recovery = 110.99%								
Cadmium,7440-43-9†	341224.4	1.10387	mg/L	0.004713	1.10387	mg/L	0.004713	0.43%
QC value within limits for Cadmium,7440-43-9 Recovery = 110.39%								
Calcium,7440-70-2†	2939677.7	218.519	mg/L	0.9770	218.519	mg/L	0.9770	0.45%
QC value within limits for Calcium,7440-70-2 Recovery = 109.26%								

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Chromium,7440-47-3†	144626.4	0.56795 mg/L	0.001990	0.56795 mg/L	0.001990	0.35%
QC value within limits for Chromium,7440-47-3 Recovery = 113.59%						
Cobalt,7440-48-4†	44714.6	0.54340 mg/L	0.006783	0.54340 mg/L	0.006783	1.25%
QC value within limits for Cobalt,7440-48-4 Recovery = 108.68%						
Copper,7440-50-8†	275686.6	0.59219 mg/L	0.001631	0.59219 mg/L	0.001631	0.28%
QC value within limits for Copper,7440-50-8 Recovery = 118.44%						
Iron,7439-89-6†	1618607.9	88.1891 mg/L	0.38619	88.1891 mg/L	0.38619	0.44%
QC value within limits for Iron,7439-89-6 Recovery = 110.24%						
Lead,7439-92-1†	15683.4	1.11466 mg/L	0.016538	1.11466 mg/L	0.016538	1.48%
QC value within limits for Lead,7439-92-1 Recovery = 111.47%						
Lithium,7439-93-2†	-1317.8	-0.01317 mg/L	0.001111	-0.01317 mg/L	0.001111	8.44%
Magnesium,7439-95-4†	706851.1	220.819 mg/L	0.8712	220.819 mg/L	0.8712	0.39%
QC value within limits for Magnesium,7439-95-4 Recovery = 110.41%						
Manganese, 7439-96-5†	613006.5	0.56646 mg/L	0.001455	0.56646 mg/L	0.001455	0.26%
QC value within limits for Manganese, 7439-96-5 Recovery = 113.29%						
Molybdenum,7439-98-7†	25585.5	1.12734 mg/L	0.014430	1.12734 mg/L	0.014430	1.28%
QC value within limits for Molybdenum,7439-98-7 Recovery = 112.73%						
Nickel,7440-02-0†	88490.9	1.08559 mg/L	0.004755	1.08559 mg/L	0.004755	0.44%
QC value within limits for Nickel,7440-02-0 Recovery = 108.56%						
Potassium,7440-09-7†	-8.0	-0.02434 mg/L	0.013697	-0.02434 mg/L	0.013697	56.27%
Selenium,7782-49-2†	2499.0	1.16848 mg/L	0.026163	1.16848 mg/L	0.026163	2.24%
QC value within limits for Selenium,7782-49-2 Recovery = 116.85%						
Silicon,7440-21-3†	1697.2	0.17310 mg/L	0.004061	0.17310 mg/L	0.004061	2.35%
Silver,7440-22-4†	502946.9	1.20743 mg/L	0.003442	1.20743 mg/L	0.003442	0.29%
QC value greater than the upper limit for Silver,7440-22-4 Recovery = 120.74%						
Sodium,7440-23-5†	12307.2	1.15594 mg/L	0.007682	1.15594 mg/L	0.007682	0.66%
QC value within limits for Sodium,7440-23-5 Recovery = 115.59%						
Strontium,7440-24-6†	1208.4	-0.00054 mg/L	0.000128	-0.00054 mg/L	0.000128	23.76%
QC value less than the lower limit for Strontium,7440-24-6 Recovery = -0.05%						
Thallium,7440-28-0†	7996.6	1.18412 mg/L	0.012103	1.18412 mg/L	0.012103	1.02%
QC value within limits for Thallium,7440-28-0 Recovery = 118.41%						
Tin,7440-31-5†	-857.4	0.00261 mg/L	0.002184	0.00261 mg/L	0.002184	83.79%
Titanium,7440-32-6†	647.8	0.00051 mg/L	0.000043	0.00051 mg/L	0.000043	8.42%
Vanadium,7440-62-2†	118427.5	0.56996 mg/L	0.001462	0.56996 mg/L	0.001462	0.26%
QC value within limits for Vanadium,7440-62-2 Recovery = 113.99%						
Zinc,7440-66-6†	196184.4	1.14579 mg/L	0.003524	1.14579 mg/L	0.003524	0.31%
QC value within limits for Zinc,7440-66-6 Recovery = 114.58%						
Zirconium,7440-67-7†	3940.1	0.00047 mg/L	0.000144	0.00047 mg/L	0.000144	30.88%

QC Failed. Continue with analysis.

Sequence No.: 11 **Autosampler Location: 6**
Sample ID: 2100 **Date Collected: 7/14/2008 1:24:24 PM**
Data Type: Reprocessed on 7/15/2008 8:58:33 AM

Logged In Analyst (Original) : met

Mean Data: 2100

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	101561.0	89.9413	%	0.40491				0.45%
Ar 420.067 R	3205732.5	94.5754	%	0.10666				0.11%
Scandium-IS	4215355.8	90.6539	%	0.85462				0.94%
Yttrium,7440-65-5A	2018141.7	88.9096	%	0.82859				0.93%
Yttrium,7440-65-5R	320166.4	93.3025	%	0.10628				0.11%
Aluminum,7429-90-5†	414801.3	204.832	mg/L	0.3124	204.832	mg/L	0.3124	0.15%
QC value within limits for Aluminum,7429-90-5 Recovery = 102.42%								
Antimony,7440-36-0†	5144.0	1.02392	mg/L	0.014270	1.02392	mg/L	0.014270	1.39%
QC value within limits for Antimony,7440-36-0 Recovery = 102.39%								
Arsenic,7440-38-2†	2298.9	1.03141	mg/L	0.013363	1.03141	mg/L	0.013363	1.30%
QC value within limits for Arsenic,7440-38-2 Recovery = 103.14%								
Barium,7440-39-3†	155957.4	0.51759	mg/L	0.002810	0.51759	mg/L	0.002810	0.54%
QC value within limits for Barium,7440-39-3 Recovery = 103.52%								
Beryllium,7440-41-7†	3214502.5	0.51524	mg/L	0.002781	0.51524	mg/L	0.002781	0.54%
QC value within limits for Beryllium,7440-41-7 Recovery = 103.05%								
Boron,7440-42-8†	81232.2	1.01747	mg/L	0.004618	1.01747	mg/L	0.004618	0.45%
QC value within limits for Boron,7440-42-8 Recovery = 101.75%								
Cadmium,7440-43-9†	306520.1	0.99162	mg/L	0.006638	0.99162	mg/L	0.006638	0.67%
QC value within limits for Cadmium,7440-43-9 Recovery = 99.16%								
Calcium,7440-70-2†	2620934.5	194.825	mg/L	0.3133	194.825	mg/L	0.3133	0.16%
QC value within limits for Calcium,7440-70-2 Recovery = 97.41%								

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Chromium,7440-47-3†   129574.3     0.50886 mg/L      0.003385     0.50886 mg/L      0.003385   0.67%
   QC value within limits for Chromium,7440-47-3  Recovery = 101.77%
Cobalt,7440-48-4†      40294.9     0.48971 mg/L      0.006637     0.48971 mg/L      0.006637   1.36%
   QC value within limits for Cobalt,7440-48-4  Recovery = 97.94%
Copper,7440-50-8†     245298.7     0.52692 mg/L      0.002213     0.52692 mg/L      0.002213   0.42%
   QC value within limits for Copper,7440-50-8  Recovery = 105.38%
Iron,7439-89-6†      1444559.2     78.7062 mg/L       0.08894     78.7062 mg/L       0.08894   0.11%
   QC value within limits for Iron,7439-89-6  Recovery = 98.38%
Lead,7439-92-1†        14174.3     1.00722 mg/L      0.015167     1.00722 mg/L      0.015167   1.51%
   QC value within limits for Lead,7439-92-1  Recovery = 100.72%
Lithium,7439-93-2†     -1298.0    -0.01302 mg/L      0.000670    -0.01302 mg/L      0.000670   5.15%
Magnesium,7439-95-4†  629704.3     196.718 mg/L        0.2203     196.718 mg/L        0.2203   0.11%
   QC value within limits for Magnesium,7439-95-4  Recovery = 98.36%
Manganese, 7439-96-5† 548000.4     0.50639 mg/L      0.002814     0.50639 mg/L      0.002814   0.56%
   QC value within limits for Manganese, 7439-96-5  Recovery = 101.28%
Molybdenum,7439-98-7†   23093.7     1.01750 mg/L      0.016286     1.01750 mg/L      0.016286   1.60%
   QC value within limits for Molybdenum,7439-98-7  Recovery = 101.75%
Nickel,7440-02-0†       79431.1     0.97448 mg/L      0.005201     0.97448 mg/L      0.005201   0.53%
   QC value within limits for Nickel,7440-02-0  Recovery = 97.45%
Potassium,7440-09-7†       32.1    -0.01211 mg/L      0.016829    -0.01211 mg/L      0.016829 139.01%
Selenium,7782-49-2†      2255.2     1.05436 mg/L      0.024206     1.05436 mg/L      0.024206   2.30%
   QC value within limits for Selenium,7782-49-2  Recovery = 105.44%
Silicon,7440-21-3†       1584.8     0.16527 mg/L      0.003774     0.16527 mg/L      0.003774   2.28%
Silver,7440-22-4†      449291.8     1.07862 mg/L      0.004940     1.07862 mg/L      0.004940   0.46%
   QC value within limits for Silver,7440-22-4  Recovery = 107.86%
Sodium,7440-23-5†       10366.7     0.96455 mg/L      0.016996     0.96455 mg/L      0.016996   1.76%
   QC value within limits for Sodium,7440-23-5  Recovery = 96.46%
Strontium,7440-24-6†      807.9    -0.00072 mg/L      0.000039    -0.00072 mg/L      0.000039   5.47%
   QC value less than the lower limit for Strontium,7440-24-6  Recovery = -0.07%
Thallium,7440-28-0†      7234.3     1.07112 mg/L      0.012707     1.07112 mg/L      0.012707   1.19%
   QC value within limits for Thallium,7440-28-0  Recovery = 107.11%
Tin,7440-31-5†           -790.8     0.00028 mg/L      0.002111     0.00028 mg/L      0.002111 764.64%
Titanium,7440-32-6†       479.2     0.00033 mg/L      0.000069     0.00033 mg/L      0.000069  21.13%
Vanadium,7440-62-2†   105851.3     0.50942 mg/L      0.003048     0.50942 mg/L      0.003048   0.60%
   QC value within limits for Vanadium,7440-62-2  Recovery = 101.88%
Zinc,7440-66-6†       174747.4     1.02054 mg/L      0.005596     1.02054 mg/L      0.005596   0.55%
   QC value within limits for Zinc,7440-66-6  Recovery = 102.05%
Zirconium,7440-67-7†    3733.9     0.00068 mg/L      0.000162     0.00068 mg/L      0.000162  23.72%
QC Failed.  Continue with analysis.
```

Sequence No.: 12 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 7/14/2008 1:29:49 PM**
Data Type: Reprocessed on 7/15/2008 8:58:35 AM

Logged In Analyst (Original) : met

Mean Data: 1800

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	112672.3	99.7814	%	0.15520				0.16%
Ar 420.067 R	3389359.3	99.9928	%	0.04528				0.05%
Scandium-IS	4593639.9	98.7892	%	0.59408				0.60%
Yttrium,7440-65-5A	2199111.3	96.8822	%	0.53057				0.55%
Yttrium,7440-65-5R	339302.2	98.8790	%	1.01239				1.02%
Aluminum,7429-90-5†	10272.8	5.07616	mg/L	0.002564	5.07616	mg/L	0.002564	0.05%
QC value within limits for Aluminum,7429-90-5 Recovery = 101.52%								
Antimony,7440-36-0†	2502.6	0.49464	mg/L	0.003952	0.49464	mg/L	0.003952	0.80%
QC value within limits for Antimony,7440-36-0 Recovery = 98.93%								
Arsenic,7440-38-2†	1119.9	0.50299	mg/L	0.003253	0.50299	mg/L	0.003253	0.65%
QC value within limits for Arsenic,7440-38-2 Recovery = 100.60%								
Barium,7440-39-3†	152733.5	0.50765	mg/L	0.005299	0.50765	mg/L	0.005299	1.04%
QC value within limits for Barium,7440-39-3 Recovery = 101.53%								
Beryllium,7440-41-7†	3100293.2	0.49656	mg/L	0.001958	0.49656	mg/L	0.001958	0.39%
QC value within limits for Beryllium,7440-41-7 Recovery = 99.31%								
Boron,7440-42-8†	201090.5	2.49857	mg/L	0.030943	2.49857	mg/L	0.030943	1.24%
QC value within limits for Boron,7440-42-8 Recovery = 99.94%								
Cadmium,7440-43-9†	155696.6	0.50466	mg/L	0.005458	0.50466	mg/L	0.005458	1.08%
QC value within limits for Cadmium,7440-43-9 Recovery = 100.93%								
Calcium,7440-70-2†	68498.3	5.08935	mg/L	0.016651	5.08935	mg/L	0.016651	0.33%
QC value within limits for Calcium,7440-70-2 Recovery = 101.79%								

Chromium,7440-47-3†	127981.6	0.50729 mg/L	0.005769	0.50729 mg/L	0.005769	1.14%
QC value within limits for Chromium,7440-47-3 Recovery = 101.46%						
Cobalt,7440-48-4†	41573.5	0.50550 mg/L	0.005372	0.50550 mg/L	0.005372	1.06%
QC value within limits for Cobalt,7440-48-4 Recovery = 101.10%						
Copper,7440-50-8†	232846.2	0.50382 mg/L	0.005480	0.50382 mg/L	0.005480	1.09%
QC value within limits for Copper,7440-50-8 Recovery = 100.76%						
Iron,7439-89-6†	93467.7	5.09265 mg/L	0.022712	5.09265 mg/L	0.022712	0.45%
QC value within limits for Iron,7439-89-6 Recovery = 101.85%						
Lead,7439-92-1†	7159.4	0.49737 mg/L	0.002663	0.49737 mg/L	0.002663	0.54%
QC value within limits for Lead,7439-92-1 Recovery = 99.47%						
Lithium,7439-93-2†	49105.5	0.50937 mg/L	0.000771	0.50937 mg/L	0.000771	0.15%
QC value within limits for Lithium,7439-93-2 Recovery = 101.87%						
Magnesium,7439-95-4†	16360.5	5.11415 mg/L	0.020000	5.11415 mg/L	0.020000	0.39%
QC value within limits for Magnesium,7439-95-4 Recovery = 102.28%						
Manganese, 7439-96-5†	553568.1	0.51004 mg/L	0.005540	0.51004 mg/L	0.005540	1.09%
QC value within limits for Manganese, 7439-96-5 Recovery = 102.01%						
Molybdenum,7439-98-7†	11409.2	0.50093 mg/L	0.003266	0.50093 mg/L	0.003266	0.65%
QC value within limits for Molybdenum,7439-98-7 Recovery = 100.19%						
Nickel,7440-02-0†	41130.1	0.50671 mg/L	0.005016	0.50671 mg/L	0.005016	0.99%
QC value within limits for Nickel,7440-02-0 Recovery = 101.34%						
Potassium,7440-09-7†	41651.3	10.1856 mg/L	0.02066	10.1856 mg/L	0.02066	0.20%
QC value within limits for Potassium,7440-09-7 Recovery = 101.86%						
Selenium,7782-49-2†	1075.1	0.49774 mg/L	0.003438	0.49774 mg/L	0.003438	0.69%
QC value within limits for Selenium,7782-49-2 Recovery = 99.55%						
Silicon,7440-21-3†	33294.5	5.04766 mg/L	0.015598	5.04766 mg/L	0.015598	0.31%
QC value within limits for Silicon,7440-21-3 Recovery = 100.95%						
Silver,7440-22-4†	210237.6	0.50437 mg/L	0.005175	0.50437 mg/L	0.005175	1.03%
QC value within limits for Silver,7440-22-4 Recovery = 100.87%						
Sodium,7440-23-5†	185950.0	20.2049 mg/L	0.09432	20.2049 mg/L	0.09432	0.47%
QC value within limits for Sodium,7440-23-5 Recovery = 101.02%						
Strontium,7440-24-6†	550262.0	0.50204 mg/L	0.002227	0.50204 mg/L	0.002227	0.44%
QC value within limits for Strontium,7440-24-6 Recovery = 100.41%						
Thallium,7440-28-0†	3440.9	0.51447 mg/L	0.004186	0.51447 mg/L	0.004186	0.81%
QC value within limits for Thallium,7440-28-0 Recovery = 102.89%						
Tin,7440-31-5†	6266.3	0.50529 mg/L	0.004345	0.50529 mg/L	0.004345	0.86%
QC value within limits for Tin,7440-31-5 Recovery = 101.06%						
Titanium,7440-32-6†	399711.3	0.50478 mg/L	0.000702	0.50478 mg/L	0.000702	0.14%
QC value within limits for Titanium,7440-32-6 Recovery = 100.96%						
Vanadium,7440-62-2†	108059.4	0.51051 mg/L	0.005285	0.51051 mg/L	0.005285	1.04%
QC value within limits for Vanadium,7440-62-2 Recovery = 102.10%						
Zinc,7440-66-6†	85237.0	0.50231 mg/L	0.005228	0.50231 mg/L	0.005228	1.04%
QC value within limits for Zinc,7440-66-6 Recovery = 100.46%						
Zirconium,7440-67-7†	411502.0	0.50299 mg/L	0.005475	0.50299 mg/L	0.005475	1.09%
QC value within limits for Zirconium,7440-67-7 Recovery = 100.60%						

All analyte(s) passed QC.

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Sequence No.: 13 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 7/14/2008 1:36:07 PM**
Data Type: Reprocessed on 7/15/2008 8:58:37 AM

Logged In Analyst (Original) : met

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	113470.1	100.488	%	0.1364				0.14%
Ar 420.067 R	3390459.6	100.025	%	0.0780				0.08%
Scandium-IS	4660126.1	100.219	%	0.2452				0.24%
Yttrium,7440-65-5A	2272443.4	100.113	%	0.2162				0.22%
Yttrium,7440-65-5R	340640.1	99.2689	%	0.85420				0.86%
Aluminum,7429-90-5†	1.1	0.00053	mg/L	0.001007	0.00053	mg/L	0.001007	188.33%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	7.4	0.00148	mg/L	0.000886	0.00148	mg/L	0.000886	59.88%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-2.8	-0.00125	mg/L	0.001497	-0.00125	mg/L	0.001497	119.39%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	-6.1	-0.00002	mg/L	0.000026	-0.00002	mg/L	0.000026	134.81%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	241.8	0.00004	mg/L	0.000025	0.00004	mg/L	0.000025	64.73%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								

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Boron,7440-42-8†	839.9	0.01042 mg/L	0.001798	0.01042 mg/L	0.001798	17.25%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated						
Cadmium,7440-43-9†	29.6	0.00010 mg/L	0.000082	0.00010 mg/L	0.000082	85.01%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated						
Calcium,7440-70-2†	-194.7	-0.01447 mg/L	0.004560	-0.01447 mg/L	0.004560	31.51%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated						
Chromium,7440-47-3†	28.4	0.00011 mg/L	0.000101	0.00011 mg/L	0.000101	89.72%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated						
Cobalt,7440-48-4†	17.6	0.00022 mg/L	0.000149	0.00022 mg/L	0.000149	68.67%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated						
Copper,7440-50-8†	-967.6	-0.00209 mg/L	0.000153	-0.00209 mg/L	0.000153	7.29%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated						
Iron,7439-89-6†	8.1	0.00044 mg/L	0.000831	0.00044 mg/L	0.000831	189.47%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated						
Lead,7439-92-1†	-14.0	-0.00097 mg/L	0.000957	-0.00097 mg/L	0.000957	98.72%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated						
Lithium,7439-93-2†	-73.2	-0.00076 mg/L	0.000912	-0.00076 mg/L	0.000912	120.00%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated						
Magnesium,7439-95-4†	20.8	0.00649 mg/L	0.003639	0.00649 mg/L	0.003639	56.10%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated						
Manganese, 7439-96-5†	-62.0	-0.00006 mg/L	0.000006	-0.00006 mg/L	0.000006	10.16%
QC value within limits for Manganese, 7439-96-5 Recovery = Not calculated						
Molybdenum,7439-98-7†	16.5	0.00072 mg/L	0.000594	0.00072 mg/L	0.000594	82.07%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated						
Nickel,7440-02-0†	17.2	0.00021 mg/L	0.000027	0.00021 mg/L	0.000027	12.85%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated						
Potassium,7440-09-7†	-6.3	-0.00154 mg/L	0.000276	-0.00154 mg/L	0.000276	17.98%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated						
Selenium,7782-49-2†	-0.1	-0.00004 mg/L	0.002015	-0.00004 mg/L	0.002015	>999.9%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated						
Silicon,7440-21-3†	7.1	0.00107 mg/L	0.001864	0.00107 mg/L	0.001864	173.60%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated						
Silver,7440-22-4†	3.4	0.00001 mg/L	0.000241	0.00001 mg/L	0.000241	>999.9%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated						
Sodium,7440-23-5†	32.3	0.00352 mg/L	0.001422	0.00352 mg/L	0.001422	40.45%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated						
Strontium,7440-24-6†	-129.5	-0.00012 mg/L	0.000070	-0.00012 mg/L	0.000070	59.83%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated						
Thallium,7440-28-0†	0.3	0.00004 mg/L	0.001165	0.00004 mg/L	0.001165	>999.9%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated						
Tin,7440-31-5†	-3.2	-0.00026 mg/L	0.000075	-0.00026 mg/L	0.000075	29.27%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6†	-60.2	-0.00008 mg/L	0.000094	-0.00008 mg/L	0.000094	124.55%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2†	-52.2	-0.00024 mg/L	0.000285	-0.00024 mg/L	0.000285	118.11%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6†	-148.5	-0.00088 mg/L	0.000023	-0.00088 mg/L	0.000023	2.57%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7†	115.1	0.00014 mg/L	0.000049	0.00014 mg/L	0.000049	34.34%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

All analyte(s) passed QC.

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Sequence No.: 14
Sample ID: 623281

Autosampler Location: 17
Date Collected: 7/14/2008 1:48:45 PM
Data Type: Reprocessed on 7/15/2008 8:58:40 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 623281

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	114663.6	101.545	%	0.3497				0.34%
Ar 420.067 R	3438050.8	101.429	%	0.0539				0.05%
Scandium-IS	4654561.9	100.099	%	1.6247				1.62%
Yttrium,7440-65-5A	2272803.3	100.129	%	1.6075				1.61%
Yttrium,7440-65-5R	360811.1	105.147	%	3.3403				3.18%
Aluminum,7429-90-5†	28.2	0.01391	mg/L	0.003842	0.01391	mg/L	0.003842	27.61%
Antimony,7440-36-0†	-7.2	-0.00144	mg/L	0.001467	-0.00144	mg/L	0.001467	102.15%
Arsenic,7440-38-2†	-0.6	-0.00026	mg/L	0.001658	-0.00026	mg/L	0.001658	646.43%

Barium,7440-39-3†	15.1	0.00005 mg/L	0.000012	0.00005 mg/L	0.000012	24.66%
Beryllium,7440-41-7†	-127.6	-0.00002 mg/L	0.000030	-0.00002 mg/L	0.000030	148.46%
Boron,7440-42-8†	-623.2	-0.00773 mg/L	0.000243	-0.00773 mg/L	0.000243	3.15%
Cadmium,7440-43-9†	314.6	0.00102 mg/L	0.000066	0.00102 mg/L	0.000066	6.47%
Calcium,7440-70-2†	1410.4	0.10485 mg/L	0.008944	0.10485 mg/L	0.008944	8.53%
Chromium,7440-47-3†	3.9	0.00002 mg/L	0.000037	0.00002 mg/L	0.000037	219.76%
Cobalt,7440-48-4†	3.6	0.00005 mg/L	0.000057	0.00005 mg/L	0.000057	123.84%
Copper,7440-50-8†	-1209.0	-0.00262 mg/L	0.000157	-0.00262 mg/L	0.000157	6.00%
Iron,7439-89-6†	-31.5	-0.00172 mg/L	0.001442	-0.00172 mg/L	0.001442	84.00%
Lead,7439-92-1†	-6.4	-0.00042 mg/L	0.000606	-0.00042 mg/L	0.000606	142.62%
Lithium,7439-93-2†	-143.8	-0.00149 mg/L	0.001353	-0.00149 mg/L	0.001353	90.67%
Magnesium,7439-95-4†	33.3	0.01041 mg/L	0.000932	0.01041 mg/L	0.000932	8.95%
Manganese, 7439-96-5†	49.1	0.00005 mg/L	0.000015	0.00005 mg/L	0.000015	33.29%
Molybdenum,7439-98-7†	4.7	0.00021 mg/L	0.000865	0.00021 mg/L	0.000865	415.81%
Nickel,7440-02-0†	23.5	0.00029 mg/L	0.000102	0.00029 mg/L	0.000102	35.19%
Potassium,7440-09-7†	63.6	0.01555 mg/L	0.018112	0.01555 mg/L	0.018112	116.45%
Selenium,7782-49-2†	-4.7	-0.00216 mg/L	0.000524	-0.00216 mg/L	0.000524	24.22%
Silicon,7440-21-3†	-35.6	-0.00540 mg/L	0.001111	-0.00540 mg/L	0.001111	20.55%
Silver,7440-22-4†	-11.8	-0.00003 mg/L	0.000358	-0.00003 mg/L	0.000358	>999.9%
Sodium,7440-23-5†	131.6	0.01431 mg/L	0.006119	0.01431 mg/L	0.006119	42.77%
Strontium,7440-24-6†	-400.9	-0.00037 mg/L	0.000058	-0.00037 mg/L	0.000058	15.81%
Thallium,7440-28-0†	2.6	0.00039 mg/L	0.001363	0.00039 mg/L	0.001363	349.73%
Tin,7440-31-5†	-12.3	-0.00098 mg/L	0.000446	-0.00098 mg/L	0.000446	45.29%
Titanium,7440-32-6†	27.3	0.00003 mg/L	0.000128	0.00003 mg/L	0.000128	372.82%
Vanadium,7440-62-2†	177.6	0.00084 mg/L	0.000178	0.00084 mg/L	0.000178	21.33%
Zinc,7440-66-6†	1517.7	0.00902 mg/L	0.000184	0.00902 mg/L	0.000184	2.04%
Zirconium,7440-67-7†	-119.7	-0.00015 mg/L	0.000095	-0.00015 mg/L	0.000095	64.82%

Sequence No.: 15
Sample ID: 623282

Autosampler Location: 18
Date Collected: 7/14/2008 1:55:41 PM
Data Type: Reprocessed on 7/15/2008 8:58:42 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 623282

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	113999.3	100.957	%	0.3674				0.36%
Ar 420.067 R	3416107.0	100.782	%	0.4128				0.41%
Scandium-IS	4649000.9	99.9798	%	0.53164				0.53%
Yttrium,7440-65-5A	2221852.8	97.8841	%	0.48761				0.50%
Yttrium,7440-65-5R	349345.2	101.806	%	1.1244				1.10%
Aluminum,7429-90-5†	10322.8	5.10083	mg/L	0.028740	5.10083	mg/L	0.028740	0.56%
Antimony,7440-36-0†	2529.0	0.49991	mg/L	0.005302	0.49991	mg/L	0.005302	1.06%
Arsenic,7440-38-2†	1129.6	0.50728	mg/L	0.008096	0.50728	mg/L	0.008096	1.60%
Barium,7440-39-3†	152679.8	0.50748	mg/L	0.003561	0.50748	mg/L	0.003561	0.70%
Beryllium,7440-41-7†	3104058.4	0.49716	mg/L	0.003651	0.49716	mg/L	0.003651	0.73%
Boron,7440-42-8†	200928.1	2.49656	mg/L	0.018369	2.49656	mg/L	0.018369	0.74%
Cadmium,7440-43-9†	158522.7	0.51383	mg/L	0.003327	0.51383	mg/L	0.003327	0.65%
Calcium,7440-70-2†	72763.1	5.40641	mg/L	0.042294	5.40641	mg/L	0.042294	0.78%
Chromium,7440-47-3†	128131.7	0.50789	mg/L	0.003184	0.50789	mg/L	0.003184	0.63%
Cobalt,7440-48-4†	41626.4	0.50616	mg/L	0.005365	0.50616	mg/L	0.005365	1.06%
Copper,7440-50-8†	228627.6	0.49469	mg/L	0.004059	0.49469	mg/L	0.004059	0.82%
Iron,7439-89-6†	93038.9	5.06928	mg/L	0.045243	5.06928	mg/L	0.045243	0.89%
Lead,7439-92-1†	7315.7	0.50839	mg/L	0.007648	0.50839	mg/L	0.007648	1.50%
Lithium,7439-93-2†	48037.3	0.49829	mg/L	0.004690	0.49829	mg/L	0.004690	0.94%
Magnesium,7439-95-4†	16340.8	5.10800	mg/L	0.047623	5.10800	mg/L	0.047623	0.93%
Manganese, 7439-96-5†	553177.2	0.50968	mg/L	0.003721	0.50968	mg/L	0.003721	0.73%
Molybdenum,7439-98-7†	11446.7	0.50258	mg/L	0.005011	0.50258	mg/L	0.005011	1.00%
Nickel,7440-02-0†	40830.3	0.50302	mg/L	0.006115	0.50302	mg/L	0.006115	1.22%
Potassium,7440-09-7†	41331.8	10.1075	mg/L	0.03899	10.1075	mg/L	0.03899	0.39%
Selenium,7782-49-2†	1108.0	0.51292	mg/L	0.010934	0.51292	mg/L	0.010934	2.13%
Silicon,7440-21-3†	32008.2	4.85258	mg/L	0.025807	4.85258	mg/L	0.025807	0.53%
Silver,7440-22-4†	209458.0	0.50250	mg/L	0.003804	0.50250	mg/L	0.003804	0.76%
Sodium,7440-23-5†	185363.8	20.1412	mg/L	0.09536	20.1412	mg/L	0.09536	0.47%
Strontium,7440-24-6†	546132.2	0.49826	mg/L	0.002170	0.49826	mg/L	0.002170	0.44%
Thallium,7440-28-0†	3462.5	0.51761	mg/L	0.005874	0.51761	mg/L	0.005874	1.13%
Tin,7440-31-5†	6362.8	0.51300	mg/L	0.005564	0.51300	mg/L	0.005564	1.08%
Titanium,7440-32-6†	399780.2	0.50486	mg/L	0.003687	0.50486	mg/L	0.003687	0.73%

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Vanadium,7440-62-2†	107658.1	0.50861 mg/L	0.004441	0.50861 mg/L	0.004441	0.87%
Zinc,7440-66-6†	90802.1	0.53541 mg/L	0.003758	0.53541 mg/L	0.003758	0.70%
Zirconium,7440-67-7†	1529.4	0.00112 mg/L	0.000300	0.00112 mg/L	0.000300	26.74%

Sequence No.: 16
Sample ID: 20807094501

Autosampler Location: 19
Date Collected: 7/14/2008 2:00:58 PM
Data Type: Reprocessed on 7/15/2008 8:58:44 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 20807094501

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	98901.7	87.5863	%	0.30284				0.35%
Ar 420.067 R	3185704.8	93.9846	%	0.11363				0.12%
Scandium-IS	3766629.7	81.0038	%	0.96950				1.20%
Yttrium,7440-65-5A	1781551.1	78.4865	%	0.94866				1.21%
Yttrium,7440-65-5R	308210.8	89.8184	%	0.45548				0.51%
Aluminum,7429-90-5†	1595.4	0.78427	mg/L	0.020062	0.78427	mg/L	0.020062	2.56%
Antimony,7440-36-0†	3.8	0.00114	mg/L	0.001166	0.00114	mg/L	0.001166	102.33%
Arsenic,7440-38-2†	-0.8	0.00055	mg/L	0.000665	0.00055	mg/L	0.000665	121.55%
Barium,7440-39-3†	215317.7	0.71461	mg/L	0.006422	0.71461	mg/L	0.006422	0.90%
Beryllium,7440-41-7†	-3066.5	-0.00050	mg/L	0.000043	-0.00050	mg/L	0.000043	8.56%
Boron,7440-42-8†	4232.8	0.06433	mg/L	0.002758	0.06433	mg/L	0.002758	4.29%
Cadmium,7440-43-9†	-530.8	-0.00127	mg/L	0.000055	-0.00127	mg/L	0.000055	4.35%
Calcium,7440-70-2†	4315903.6	320.839	mg/L	0.6301	320.839	mg/L	0.6301	0.20%
Chromium,7440-47-3†	745.4	0.00273	mg/L	0.000071	0.00273	mg/L	0.000071	2.61%
Cobalt,7440-48-4†	-21.7	-0.00039	mg/L	0.000040	-0.00039	mg/L	0.000040	10.27%
Copper,7440-50-8†	4213.2	0.00606	mg/L	0.000157	0.00606	mg/L	0.000157	2.59%
Iron,7439-89-6†	26061.0	1.41963	mg/L	0.027742	1.41963	mg/L	0.027742	1.95%
Lead,7439-92-1†	29.3	0.00493	mg/L	0.001321	0.00493	mg/L	0.001321	26.78%
Lithium,7439-93-2†	169.2	0.00175	mg/L	0.000183	0.00175	mg/L	0.000183	10.44%
Magnesium,7439-95-4†	95644.8	29.8756	mg/L	0.59461	29.8756	mg/L	0.59461	1.99%
Manganese, 7439-96-5†	274769.4	0.25271	mg/L	0.002098	0.25271	mg/L	0.002098	0.83%
Molybdenum,7439-98-7†	40.4	0.00280	mg/L	0.000450	0.00280	mg/L	0.000450	16.07%
Nickel,7440-02-0†	1371.9	0.01664	mg/L	0.000067	0.01664	mg/L	0.000067	0.40%
Potassium,7440-09-7†	26770.0	6.55557	mg/L	0.136938	6.55557	mg/L	0.136938	2.09%
Selenium,7782-49-2†	-8.3	-0.00049	mg/L	0.003397	-0.00049	mg/L	0.003397	695.87%
Silicon,7440-21-3†	49416.3	7.47865	mg/L	0.155348	7.47865	mg/L	0.155348	2.08%
Silver,7440-22-4†	90.6	-0.00076	mg/L	0.000165	-0.00076	mg/L	0.000165	21.83%
Sodium,7440-23-5†	Saturated2							
Strontium,7440-24-6†	1550262.2	1.40556	mg/L	0.001553	1.40556	mg/L	0.001553	0.11%
Thallium,7440-28-0†	-2.7	-0.00766	mg/L	0.001292	-0.00766	mg/L	0.001292	16.86%
Tin,7440-31-5†	-427.6	-0.02653	mg/L	0.000979	-0.02653	mg/L	0.000979	3.69%
Titanium,7440-32-6†	14816.1	0.01871	mg/L	0.000747	0.01871	mg/L	0.000747	3.99%
Vanadium,7440-62-2†	579.2	0.00598	mg/L	0.000419	0.00598	mg/L	0.000419	7.01%
Zinc,7440-66-6†	3772.7	0.02196	mg/L	0.000382	0.02196	mg/L	0.000382	1.74%
Zirconium,7440-67-7†	2986.9	0.00253	mg/L	0.000076	0.00253	mg/L	0.000076	3.01%

Sequence No.: 17
Sample ID: 20807094502

Autosampler Location: 20
Date Collected: 7/14/2008 2:06:45 PM
Data Type: Reprocessed on 7/15/2008 8:58:45 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 20807094502

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	99091.3	87.7542	%	0.46398				0.53%
Ar 420.067 R	3213231.1	94.7966	%	0.20366				0.21%
Scandium-IS	3713456.7	79.8603	%	0.81666				1.02%
Yttrium,7440-65-5A	1756723.7	77.3928	%	0.68475				0.88%
Yttrium,7440-65-5R	308087.8	89.7825	%	0.89715				1.00%
Aluminum,7429-90-5†	1404.6	0.69007	mg/L	0.010269	0.69007	mg/L	0.010269	1.49%
Antimony,7440-36-0†	-5.0	-0.00062	mg/L	0.002362	-0.00062	mg/L	0.002362	378.19%
Arsenic,7440-38-2†	-7.3	-0.00235	mg/L	0.001252	-0.00235	mg/L	0.001252	53.31%
Barium,7440-39-3†	216781.7	0.71948	mg/L	0.002322	0.71948	mg/L	0.002322	0.32%

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Beryllium,7440-41-7†	-3396.7	-0.00055 mg/L	0.000007	-0.00055 mg/L	0.000007	1.23%
Boron,7440-42-8†	3267.2	0.05231 mg/L	0.000032	0.05231 mg/L	0.000032	0.06%
Cadmium,7440-43-9†	-741.4	-0.00195 mg/L	0.000035	-0.00195 mg/L	0.000035	1.80%
Calcium,7440-70-2†	4304623.8	320.001 mg/L	0.6392	320.001 mg/L	0.6392	0.20%
Chromium,7440-47-3†	983.3	0.00367 mg/L	0.000102	0.00367 mg/L	0.000102	2.77%
Cobalt,7440-48-4†	-42.8	-0.00064 mg/L	0.000192	-0.00064 mg/L	0.000192	30.10%
Copper,7440-50-8†	4245.9	0.00613 mg/L	0.000189	0.00613 mg/L	0.000189	3.08%
Iron,7439-89-6†	25476.6	1.38779 mg/L	0.027782	1.38779 mg/L	0.027782	2.00%
Lead,7439-92-1†	7.5	0.00339 mg/L	0.000619	0.00339 mg/L	0.000619	18.28%
Lithium,7439-93-2†	262.5	0.00272 mg/L	0.000226	0.00272 mg/L	0.000226	8.32%
Magnesium,7439-95-4†	95439.7	29.8115 mg/L	0.60480	29.8115 mg/L	0.60480	2.03%
Manganese, 7439-96-5†	275216.1	0.25313 mg/L	0.000757	0.25313 mg/L	0.000757	0.30%
Molybdenum,7439-98-7†	34.5	0.00253 mg/L	0.000291	0.00253 mg/L	0.000291	11.47%
Nickel,7440-02-0†	1397.5	0.01696 mg/L	0.000172	0.01696 mg/L	0.000172	1.02%
Potassium,7440-09-7†	27671.2	6.77599 mg/L	0.136673	6.77599 mg/L	0.136673	2.02%
Selenium,7782-49-2†	-12.4	-0.00241 mg/L	0.002900	-0.00241 mg/L	0.002900	120.54%
Silicon,7440-21-3†	47979.6	7.26078 mg/L	0.147494	7.26078 mg/L	0.147494	2.03%
Silver,7440-22-4†	49.5	-0.00085 mg/L	0.000098	-0.00085 mg/L	0.000098	11.55%
Sodium,7440-23-5†	Saturated2					
Strontium,7440-24-6†	1540059.5	1.39627 mg/L	0.000204	1.39627 mg/L	0.000204	0.01%
Thallium,7440-28-0†	0.2	-0.00725 mg/L	0.001925	-0.00725 mg/L	0.001925	26.54%
Tin,7440-31-5†	-428.3	-0.02662 mg/L	0.000716	-0.02662 mg/L	0.000716	2.69%
Titanium,7440-32-6†	11350.5	0.01434 mg/L	0.000101	0.01434 mg/L	0.000101	0.71%
Vanadium,7440-62-2†	654.7	0.00634 mg/L	0.000032	0.00634 mg/L	0.000032	0.51%
Zinc,7440-66-6†	1983.8	0.01133 mg/L	0.000341	0.01133 mg/L	0.000341	3.01%
Zirconium,7440-67-7†	2651.7	0.00213 mg/L	0.000175	0.00213 mg/L	0.000175	8.24%

Sequence No.: 18
Sample ID: 623283

Autosampler Location: 21
Date Collected: 7/14/2008 2:12:33 PM
Data Type: Reprocessed on 7/15/2008 8:58:47 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 623283

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	98601.8	87.3206	%	0.08855				0.10%
Ar 420.067 R	3194274.1	94.2374	%	0.31898				0.34%
Scandium-IS	3756638.1	80.7889	%	0.78433				0.97%
Yttrium,7440-65-5A	1776773.4	78.2761	%	0.71129				0.91%
Yttrium,7440-65-5R	301153.4	87.7617	%	2.72064				3.10%
Aluminum,7429-90-5†	13573.6	6.70266	mg/L	0.034269	6.70266	mg/L	0.034269	0.51%
Antimony,7440-36-0†	2882.7	0.57094	mg/L	0.009505	0.57094	mg/L	0.009505	1.66%
Arsenic,7440-38-2†	1342.7	0.60328	mg/L	0.004985	0.60328	mg/L	0.004985	0.83%
Barium,7440-39-3†	368483.5	1.22361	mg/L	0.003987	1.22361	mg/L	0.003987	0.33%
Beryllium,7440-41-7†	3148287.6	0.50424	mg/L	0.001736	0.50424	mg/L	0.001736	0.34%
Boron,7440-42-8†	229995.3	2.86953	mg/L	0.012409	2.86953	mg/L	0.012409	0.43%
Cadmium,7440-43-9†	161412.5	0.52365	mg/L	0.002015	0.52365	mg/L	0.002015	0.38%
Calcium,7440-70-2†	4562217.9	339.147	mg/L	11.9981	339.147	mg/L	11.9981	3.54%
Chromium,7440-47-3†	127963.3	0.50697	mg/L	0.001957	0.50697	mg/L	0.001957	0.39%
Cobalt,7440-48-4†	41894.9	0.50924	mg/L	0.005502	0.50924	mg/L	0.005502	1.08%
Copper,7440-50-8†	265677.1	0.57173	mg/L	0.002133	0.57173	mg/L	0.002133	0.37%
Iron,7439-89-6†	125048.4	6.81301	mg/L	0.017845	6.81301	mg/L	0.017845	0.26%
Lead,7439-92-1†	7502.7	0.52408	mg/L	0.007635	0.52408	mg/L	0.007635	1.46%
Lithium,7439-93-2†	67207.0	0.69715	mg/L	0.006117	0.69715	mg/L	0.006117	0.88%
Magnesium,7439-95-4†	113666.8	35.5085	mg/L	0.09263	35.5085	mg/L	0.09263	0.26%
Manganese, 7439-96-5†	829760.8	0.76406	mg/L	0.002660	0.76406	mg/L	0.002660	0.35%
Molybdenum,7439-98-7†	12117.0	0.53309	mg/L	0.006647	0.53309	mg/L	0.006647	1.25%
Nickel,7440-02-0†	42220.0	0.51984	mg/L	0.006002	0.51984	mg/L	0.006002	1.15%
Potassium,7440-09-7†	81130.7	19.8501	mg/L	0.06862	19.8501	mg/L	0.06862	0.35%
Selenium,7782-49-2†	1266.5	0.58969	mg/L	0.001959	0.58969	mg/L	0.001959	0.33%
Silicon,7440-21-3†	95155.1	14.4133	mg/L	0.03735	14.4133	mg/L	0.03735	0.26%
Silver,7440-22-4†	237785.4	0.56942	mg/L	0.001678	0.56942	mg/L	0.001678	0.29%
Sodium,7440-23-5†	Saturated2							
Strontium,7440-24-6†	2174275.9	1.97453	mg/L	0.066153	1.97453	mg/L	0.066153	3.35%
Thallium,7440-28-0†	3423.8	0.50461	mg/L	0.008727	0.50461	mg/L	0.008727	1.73%
Tin,7440-31-5†	6244.8	0.51174	mg/L	0.009732	0.51174	mg/L	0.009732	1.90%
Titanium,7440-32-6†	412994.9	0.52155	mg/L	0.001841	0.52155	mg/L	0.001841	0.35%
Vanadium,7440-62-2†	112201.5	0.53309	mg/L	0.000723	0.53309	mg/L	0.000723	0.14%

Zinc,7440-66-6†	99274.1	0.58519	mg/L	0.002540	0.58519	mg/L	0.002540	0.43%
Zirconium,7440-67-7†	4003.0	0.00296	mg/L	0.000110	0.00296	mg/L	0.000110	3.71%

Sequence No.: 19
Sample ID: 625250

Autosampler Location: 22
Date Collected: 7/14/2008 2:17:51 PM
Data Type: Reprocessed on 7/15/2008 8:58:49 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 625250

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	99254.2	87.8984	%	0.13401				0.15%
Ar 420.067 R	3206252.8	94.5908	%	0.26328				0.28%
Scandium-IS	3788043.3	81.4643	%	1.22048				1.50%
Yttrium,7440-65-5A	1791077.5	78.9062	%	1.19864				1.52%
Yttrium,7440-65-5R	307324.4	89.5601	%	0.31831				0.36%
Aluminum,7429-90-5†	11736.9	5.79574	mg/L	0.011260	5.79574	mg/L	0.011260	0.19%
Antimony,7440-36-0†	2830.6	0.56061	mg/L	0.008142	0.56061	mg/L	0.008142	1.45%
Arsenic,7440-38-2†	1310.0	0.58851	mg/L	0.008455	0.58851	mg/L	0.008455	1.44%
Barium,7440-39-3†	356655.7	1.18436	mg/L	0.017516	1.18436	mg/L	0.017516	1.48%
Beryllium,7440-41-7†	3089495.0	0.49482	mg/L	0.007796	0.49482	mg/L	0.007796	1.58%
Boron,7440-42-8†	224471.2	2.80042	mg/L	0.044141	2.80042	mg/L	0.044141	1.58%
Cadmium,7440-43-9†	158886.7	0.51545	mg/L	0.008034	0.51545	mg/L	0.008034	1.56%
Calcium,7440-70-2†	4352874.6	323.585	mg/L	3.7861	323.585	mg/L	3.7861	1.17%
Chromium,7440-47-3†	125655.9	0.49785	mg/L	0.008536	0.49785	mg/L	0.008536	1.71%
Cobalt,7440-48-4†	41189.4	0.50066	mg/L	0.005369	0.50066	mg/L	0.005369	1.07%
Copper,7440-50-8†	259950.2	0.55945	mg/L	0.009025	0.55945	mg/L	0.009025	1.61%
Iron,7439-89-6†	118193.6	6.43954	mg/L	0.029590	6.43954	mg/L	0.029590	0.46%
Lead,7439-92-1†	7391.9	0.51618	mg/L	0.009568	0.51618	mg/L	0.009568	1.85%
Lithium,7439-93-2†	65766.3	0.68220	mg/L	0.005682	0.68220	mg/L	0.005682	0.83%
Magnesium,7439-95-4†	109932.9	34.3422	mg/L	0.23156	34.3422	mg/L	0.23156	0.67%
Manganese, 7439-96-5†	810222.5	0.74606	mg/L	0.011584	0.74606	mg/L	0.011584	1.55%
Molybdenum,7439-98-7†	11923.9	0.52455	mg/L	0.005604	0.52455	mg/L	0.005604	1.07%
Nickel,7440-02-0†	41556.5	0.51169	mg/L	0.006571	0.51169	mg/L	0.006571	1.28%
Potassium,7440-09-7†	79052.0	19.3414	mg/L	0.14695	19.3414	mg/L	0.14695	0.76%
Selenium,7782-49-2†	1232.4	0.57374	mg/L	0.005986	0.57374	mg/L	0.005986	1.04%
Silicon,7440-21-3†	82604.1	12.5104	mg/L	0.05897	12.5104	mg/L	0.05897	0.47%
Silver,7440-22-4†	233030.7	0.55805	mg/L	0.008890	0.55805	mg/L	0.008890	1.59%
Sodium,7440-23-5†	Saturated2							
Strontium,7440-24-6†	2081554.7	1.89035	mg/L	0.018173	1.89035	mg/L	0.018173	0.96%
Thallium,7440-28-0†	3359.5	0.49534	mg/L	0.006649	0.49534	mg/L	0.006649	1.34%
Tin,7440-31-5†	6192.8	0.50699	mg/L	0.006218	0.50699	mg/L	0.006218	1.23%
Titanium,7440-32-6†	410620.9	0.51855	mg/L	0.009709	0.51855	mg/L	0.009709	1.87%
Vanadium,7440-62-2†	109543.1	0.52054	mg/L	0.008846	0.52054	mg/L	0.008846	1.70%
Zinc,7440-66-6†	99186.3	0.58478	mg/L	0.009209	0.58478	mg/L	0.009209	1.57%
Zirconium,7440-67-7†	3098.0	0.00192	mg/L	0.000043	0.00192	mg/L	0.000043	2.23%

Sequence No.: 20
Sample ID: 625251

Autosampler Location: 23
Date Collected: 7/14/2008 2:23:10 PM
Data Type: Reprocessed on 7/15/2008 8:58:51 AM

Logged In Analyst (Original) : met
Dilution: 5X

Mean Data: 625251

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	108875.7	96.4192	%	0.46452				0.48%
Ar 420.067 R	3375026.4	99.5699	%	0.34108				0.34%
Scandium-IS	4255082.4	91.5083	%	0.45584				0.50%
Yttrium,7440-65-5A	2013638.4	88.7112	%	0.38158				0.43%
Yttrium,7440-65-5R	319945.6	93.2381	%	1.40110				1.50%
Aluminum,7429-90-5†	340.4	0.16733	mg/L	0.017890	0.83663	mg/L	0.089451	10.69%
Antimony,7440-36-0†	-3.2	-0.00056	mg/L	0.000552	-0.00280	mg/L	0.002762	98.70%
Arsenic,7440-38-2†	-9.7	-0.00412	mg/L	0.002404	-0.02059	mg/L	0.012020	58.39%
Barium,7440-39-3†	46591.7	0.15463	mg/L	0.001772	0.77315	mg/L	0.008858	1.15%
Beryllium,7440-41-7†	-1540.2	-0.00025	mg/L	0.000006	-0.00125	mg/L	0.000028	2.22%

Boron,7440-42-8†	1343.1	0.01923 mg/L	0.001403	0.09613 mg/L	0.007016	7.30%
Cadmium,7440-43-9†	-49.1	-0.00006 mg/L	0.000049	-0.00030 mg/L	0.000247	83.20%
Calcium,7440-70-2†	938043.7	69.7331 mg/L	1.11294	348.666 mg/L	5.5647	1.60%
Chromium,7440-47-3†	193.7	0.00072 mg/L	0.000102	0.00360 mg/L	0.000511	14.18%
Cobalt,7440-48-4†	-16.0	-0.00022 mg/L	0.000113	-0.00111 mg/L	0.000567	50.99%
Copper,7440-50-8†	587.1	0.00061 mg/L	0.000121	0.00305 mg/L	0.000603	19.77%
Iron,7439-89-6†	5498.8	0.29953 mg/L	0.004856	1.49767 mg/L	0.024280	1.62%
Lead,7439-92-1†	3.3	0.00086 mg/L	0.001466	0.00431 mg/L	0.007331	169.93%
Lithium,7439-93-2†	-344.0	-0.00357 mg/L	0.000817	-0.01785 mg/L	0.004083	22.88%
Magnesium,7439-95-4†	20436.3	6.38345 mg/L	0.075854	31.9172 mg/L	0.37927	1.19%
Manganese, 7439-96-5†	58721.1	0.05401 mg/L	0.000649	0.27003 mg/L	0.003247	1.20%
Molybdenum,7439-98-7†	8.6	0.00060 mg/L	0.000177	0.00300 mg/L	0.000885	29.50%
Nickel,7440-02-0†	345.9	0.00421 mg/L	0.000260	0.02103 mg/L	0.001300	6.18%
Potassium,7440-09-7†	5336.6	1.30701 mg/L	0.018721	6.53503 mg/L	0.093604	1.43%
Selenium,7782-49-2†	-2.0	-0.00018 mg/L	0.000819	-0.00089 mg/L	0.004095	460.19%
Silicon,7440-21-3†	10125.0	1.53215 mg/L	0.018549	7.66075 mg/L	0.092746	1.21%
Silver,7440-22-4†	64.4	-0.00006 mg/L	0.000147	-0.00028 mg/L	0.000733	263.43%
Sodium,7440-23-5†	4664748.0	507.099 mg/L	8.8345	2535.50 mg/L	44.173	1.74%
Strontium,7440-24-6†	327632.0	0.29700 mg/L	0.004519	1.48499 mg/L	0.022596	1.52%
Thallium,7440-28-0†	4.9	-0.00085 mg/L	0.001752	-0.00425 mg/L	0.008761	206.12%
Tin,7440-31-5†	-273.3	-0.02020 mg/L	0.000589	-0.10100 mg/L	0.002945	2.92%
Titanium,7440-32-6†	3465.3	0.00438 mg/L	0.000911	0.02188 mg/L	0.004555	20.82%
Vanadium,7440-62-2†	409.3	0.00262 mg/L	0.000131	0.01310 mg/L	0.000657	5.02%
Zinc,7440-66-6†	-10.2	-0.00016 mg/L	0.000133	-0.00081 mg/L	0.000665	82.58%
Zirconium,7440-67-7†	1186.1	0.00121 mg/L	0.000139	0.00604 mg/L	0.000694	11.50%

Sequence No.: 21
Sample ID: ---

Autosampler Location: 24
Date Collected: 7/14/2008 2:29:17 PM
Data Type: Reprocessed on 7/15/2008 8:58:52 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	116377.8	103.063	%	0.1974				0.19%
Ar 420.067 R	3488836.1	102.928	%	0.3436				0.33%
Scandium-IS	4634072.6	99.6587	%	1.06828				1.07%
Yttrium,7440-65-5A	2260302.0	99.5780	%	1.01353				1.02%
Yttrium,7440-65-5R	345574.3	100.707	%	0.6353				0.63%
Aluminum,7429-90-5†	19.5	0.00961 mg/L		0.007586	0.00961 mg/L		0.007586	78.90%
Antimony,7440-36-0†	2.6	0.00050 mg/L		0.002183	0.00050 mg/L		0.002183	438.08%
Arsenic,7440-38-2†	-2.6	-0.00113 mg/L		0.001744	-0.00113 mg/L		0.001744	154.55%
Barium,7440-39-3†	30.5	0.00010 mg/L		0.000058	0.00010 mg/L		0.000058	60.06%
Beryllium,7440-41-7†	-337.1	-0.00006 mg/L		0.000014	-0.00006 mg/L		0.000014	24.06%
Boron,7440-42-8†	-601.7	-0.00745 mg/L		0.000411	-0.00745 mg/L		0.000411	5.52%
Cadmium,7440-43-9†	35.4	0.00011 mg/L		0.000057	0.00011 mg/L		0.000057	53.60%
Calcium,7440-70-2†	-368.5	-0.02742 mg/L		0.001774	-0.02742 mg/L		0.001774	6.47%
Chromium,7440-47-3†	5.7	0.00002 mg/L		0.000027	0.00002 mg/L		0.000027	175.10%
Cobalt,7440-48-4†	-2.3	-0.00005 mg/L		0.000262	-0.00005 mg/L		0.000262	504.55%
Copper,7440-50-8†	11418.8	0.02471 mg/L		0.000459	0.02471 mg/L		0.000459	1.86%
Iron,7439-89-6†	-23.8	-0.00130 mg/L		0.001844	-0.00130 mg/L		0.001844	142.04%
Lead,7439-92-1†	-20.3	-0.00159 mg/L		0.000350	-0.00159 mg/L		0.000350	22.07%
Lithium,7439-93-2†	-45.6	-0.00047 mg/L		0.001395	-0.00047 mg/L		0.001395	295.12%
Magnesium,7439-95-4†	10.0	0.00313 mg/L		0.002205	0.00313 mg/L		0.002205	70.44%
Manganese, 7439-96-5†	1538.1	0.00142 mg/L		0.000010	0.00142 mg/L		0.000010	0.72%
Molybdenum,7439-98-7†	18.5	0.00081 mg/L		0.000424	0.00081 mg/L		0.000424	52.33%
Nickel,7440-02-0†	94.5	0.00116 mg/L		0.000132	0.00116 mg/L		0.000132	11.38%
Potassium,7440-09-7†	368.4	0.09011 mg/L		0.020792	0.09011 mg/L		0.020792	23.08%
Selenium,7782-49-2†	-1.4	-0.00066 mg/L		0.001354	-0.00066 mg/L		0.001354	206.77%
Silicon,7440-21-3†	-48.5	-0.00736 mg/L		0.000688	-0.00736 mg/L		0.000688	9.34%
Silver,7440-22-4†	-205.4	-0.00050 mg/L		0.000237	-0.00050 mg/L		0.000237	47.82%
Sodium,7440-23-5†	10399.3	1.13050 mg/L		0.063205	1.13050 mg/L		0.063205	5.59%
Strontium,7440-24-6†	-440.6	-0.00040 mg/L		0.000043	-0.00040 mg/L		0.000043	10.65%
Thallium,7440-28-0†	-4.8	-0.00069 mg/L		0.001591	-0.00069 mg/L		0.001591	231.41%
Tin,7440-31-5†	-16.0	-0.00128 mg/L		0.001135	-0.00128 mg/L		0.001135	88.47%
Titanium,7440-32-6†	-54.7	-0.00007 mg/L		0.000103	-0.00007 mg/L		0.000103	145.49%
Vanadium,7440-62-2†	204.7	0.00097 mg/L		0.000325	0.00097 mg/L		0.000325	33.59%
Zinc,7440-66-6†	731.2	0.00432 mg/L		0.000127	0.00432 mg/L		0.000127	2.94%

Zirconium,7440-67-7†	-68.8	-0.00009	mg/L	0.000160	-0.00009	mg/L	0.000160 180.94%

Sequence No.: 22
Sample ID: ---
Autosampler Location: 25
Date Collected: 7/14/2008 2:36:17 PM
Data Type: Reprocessed on 7/15/2008 8:58:54 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	113356.8	100.388	%	0.1354				0.13%
Ar 420.067 R	3397448.3	100.231	%	0.3899				0.39%
Scandium-IS	4634322.9	99.6641	%	0.75233				0.75%
Yttrium,7440-65-5A	2255148.7	99.3510	%	0.83070				0.84%
Yttrium,7440-65-5R	340934.0	99.3545	%	1.31615				1.32%
Aluminum,7429-90-5†	27.0	0.01335	mg/L	0.006245	0.01335	mg/L	0.006245	46.77%
Antimony,7440-36-0†	-3.8	-0.00076	mg/L	0.000948	-0.00076	mg/L	0.000948	124.75%
Arsenic,7440-38-2†	-1.1	-0.00050	mg/L	0.000293	-0.00050	mg/L	0.000293	59.01%
Barium,7440-39-3†	151.4	0.00050	mg/L	0.000135	0.00050	mg/L	0.000135	26.72%
Beryllium,7440-41-7†	-79.7	-0.00001	mg/L	0.000017	-0.00001	mg/L	0.000017	131.81%
Boron,7440-42-8†	-822.2	-0.01020	mg/L	0.000382	-0.01020	mg/L	0.000382	3.74%
Cadmium,7440-43-9†	43.2	0.00014	mg/L	0.000048	0.00014	mg/L	0.000048	34.79%
Calcium,7440-70-2†	662.8	0.04927	mg/L	0.003800	0.04927	mg/L	0.003800	7.71%
Chromium,7440-47-3†	7.2	0.00003	mg/L	0.000056	0.00003	mg/L	0.000056	199.32%
Cobalt,7440-48-4†	9.8	0.00012	mg/L	0.000054	0.00012	mg/L	0.000054	45.39%
Copper,7440-50-8†	0.5	0.00000	mg/L	0.000093	0.00000	mg/L	0.000093	>999.9%
Iron,7439-89-6†	335.9	0.01830	mg/L	0.001036	0.01830	mg/L	0.001036	5.66%
Lead,7439-92-1†	-6.0	-0.00042	mg/L	0.000502	-0.00042	mg/L	0.000502	118.34%
Lithium,7439-93-2†	87.5	0.00091	mg/L	0.000840	0.00091	mg/L	0.000840	92.47%
Magnesium,7439-95-4†	38.6	0.01207	mg/L	0.005123	0.01207	mg/L	0.005123	42.45%
Manganese, 7439-96-5†	221.6	0.00020	mg/L	0.000023	0.00020	mg/L	0.000023	11.07%
Molybdenum,7439-98-7†	9.2	0.00041	mg/L	0.000631	0.00041	mg/L	0.000631	155.63%
Nickel,7440-02-0†	41.0	0.00050	mg/L	0.000353	0.00050	mg/L	0.000353	70.09%
Potassium,7440-09-7†	63.6	0.01555	mg/L	0.019544	0.01555	mg/L	0.019544	125.69%
Selenium,7782-49-2†	-0.4	-0.00017	mg/L	0.001612	-0.00017	mg/L	0.001612	922.18%
Silicon,7440-21-3†	-2.4	-0.00037	mg/L	0.000717	-0.00037	mg/L	0.000717	195.79%
Silver,7440-22-4†	-59.4	-0.00014	mg/L	0.000105	-0.00014	mg/L	0.000105	74.08%
Sodium,7440-23-5†	6632.2	0.72095	mg/L	0.002223	0.72095	mg/L	0.002223	0.31%
Strontium,7440-24-6†	327.2	0.00030	mg/L	0.000031	0.00030	mg/L	0.000031	10.46%
Thallium,7440-28-0†	-4.7	-0.00068	mg/L	0.002091	-0.00068	mg/L	0.002091	306.09%
Tin,7440-31-5†	0.1	0.00002	mg/L	0.000645	0.00002	mg/L	0.000645	>999.9%
Titanium,7440-32-6†	-2.7	0.00000	mg/L	0.000123	0.00000	mg/L	0.000123	>999.9%
Vanadium,7440-62-2†	29.9	0.00014	mg/L	0.000050	0.00014	mg/L	0.000050	35.47%
Zinc,7440-66-6†	-20.9	-0.00013	mg/L	0.000033	-0.00013	mg/L	0.000033	25.30%
Zirconium,7440-67-7†	661.9	0.00081	mg/L	0.000068	0.00081	mg/L	0.000068	8.46%

Sequence No.: 23
Sample ID: ---
Autosampler Location: 26
Date Collected: 7/14/2008 2:43:01 PM
Data Type: Reprocessed on 7/15/2008 8:58:56 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	116532.8	103.200	%	0.3237				0.31%
Ar 420.067 R	3492394.7	103.033	%	0.1925				0.19%
Scandium-IS	4641097.5	99.8098	%	0.19505				0.20%
Yttrium,7440-65-5A	2260295.8	99.5777	%	0.19085				0.19%
Yttrium,7440-65-5R	347894.9	101.383	%	0.9039				0.89%
Aluminum,7429-90-5†	14.2	0.00702	mg/L	0.004741	0.00702	mg/L	0.004741	67.56%
Antimony,7440-36-0†	2.3	0.00042	mg/L	0.001566	0.00042	mg/L	0.001566	368.96%
Arsenic,7440-38-2†	-6.5	-0.00288	mg/L	0.000745	-0.00288	mg/L	0.000745	25.92%
Barium,7440-39-3†	115.5	0.00037	mg/L	0.000037	0.00037	mg/L	0.000037	9.86%
Beryllium,7440-41-7†	-624.7	-0.00011	mg/L	0.000012	-0.00011	mg/L	0.000012	11.21%
Boron,7440-42-8†	-1289.3	-0.01597	mg/L	0.000622	-0.01597	mg/L	0.000622	3.90%

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Cadmium,7440-43-9†	7.7	0.00001 mg/L	0.000015	0.00001 mg/L	0.000015	195.16%
Calcium,7440-70-2†	-87.4	-0.00656 mg/L	0.001567	-0.00656 mg/L	0.001567	23.89%
Chromium,7440-47-3†	-9.8	-0.00006 mg/L	0.000097	-0.00006 mg/L	0.000097	173.38%
Cobalt,7440-48-4†	2.3	-0.00002 mg/L	0.000253	-0.00002 mg/L	0.000253	>999.9%
Copper,7440-50-8†	25312.5	0.05477 mg/L	0.000290	0.05477 mg/L	0.000290	0.53%
Iron,7439-89-6†	50.4	0.00275 mg/L	0.000215	0.00275 mg/L	0.000215	7.83%
Lead,7439-92-1†	-8.5	-0.00097 mg/L	0.002227	-0.00097 mg/L	0.002227	230.51%
Lithium,7439-93-2†	-102.1	-0.00106 mg/L	0.001493	-0.00106 mg/L	0.001493	141.05%
Magnesium,7439-95-4†	14.2	0.00442 mg/L	0.007008	0.00442 mg/L	0.007008	158.42%
Manganese, 7439-96-5†	198.2	0.00018 mg/L	0.000036	0.00018 mg/L	0.000036	20.14%
Molybdenum,7439-98-7†	7.9	0.00034 mg/L	0.000315	0.00034 mg/L	0.000315	92.25%
Nickel,7440-02-0†	147.2	0.00181 mg/L	0.000273	0.00181 mg/L	0.000273	15.10%
Potassium,7440-09-7†	255.6	0.06250 mg/L	0.003120	0.06250 mg/L	0.003120	4.99%
Selenium,7782-49-2†	-3.7	-0.00173 mg/L	0.002032	-0.00173 mg/L	0.002032	117.33%
Silicon,7440-21-3†	-49.6	-0.00753 mg/L	0.001239	-0.00753 mg/L	0.001239	16.45%
Silver,7440-22-4†	-57.5	-0.00015 mg/L	0.000210	-0.00015 mg/L	0.000210	143.58%
Sodium,7440-23-5†	6289.1	0.68368 mg/L	0.018524	0.68368 mg/L	0.018524	2.71%
Strontium,7440-24-6†	-478.9	-0.00044 mg/L	0.000092	-0.00044 mg/L	0.000092	20.85%
Thallium,7440-28-0†	-3.1	-0.00044 mg/L	0.002025	-0.00044 mg/L	0.002025	462.15%
Tin,7440-31-5†	-5.4	-0.00043 mg/L	0.000832	-0.00043 mg/L	0.000832	193.27%
Titanium,7440-32-6†	-62.1	-0.00008 mg/L	0.000126	-0.00008 mg/L	0.000126	154.25%
Vanadium,7440-62-2†	253.3	0.00120 mg/L	0.000055	0.00120 mg/L	0.000055	4.57%
Zinc,7440-66-6†	715.7	0.00419 mg/L	0.000085	0.00419 mg/L	0.000085	2.03%
Zirconium,7440-67-7†	-115.3	-0.00015 mg/L	0.000074	-0.00015 mg/L	0.000074	48.88%

Sequence No.: 24
Sample ID: 1800

Autosampler Location: 7
Date Collected: 7/14/2008 2:56:53 PM
Data Type: Reprocessed on 7/15/2008 8:58:58 AM

Logged In Analyst (Original) : met

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	113473.0	100.490	%	0.2662				0.26%
Ar 420.067 R	3408953.3	100.571	%	0.1334				0.13%
Scandium-IS	4567671.7	98.2307	%	0.97160				0.99%
Yttrium,7440-65-5A	2180582.3	96.0659	%	0.80552				0.84%
Yttrium,7440-65-5R	334455.9	97.4667	%	0.82473				0.85%
Aluminum,7429-90-5†	10184.1	5.03241	mg/L	0.016718	5.03241	mg/L	0.016718	0.33%
QC value within limits for Aluminum,7429-90-5 Recovery = 100.65%								
Antimony,7440-36-0†	2529.6	0.50000	mg/L	0.003134	0.50000	mg/L	0.003134	0.63%
QC value within limits for Antimony,7440-36-0 Recovery = 100.00%								
Arsenic,7440-38-2†	1141.4	0.51260	mg/L	0.006285	0.51260	mg/L	0.006285	1.23%
QC value within limits for Arsenic,7440-38-2 Recovery = 102.52%								
Barium,7440-39-3†	153573.7	0.51045	mg/L	0.005599	0.51045	mg/L	0.005599	1.10%
QC value within limits for Barium,7440-39-3 Recovery = 102.09%								
Beryllium,7440-41-7†	3124073.0	0.50037	mg/L	0.001655	0.50037	mg/L	0.001655	0.33%
QC value within limits for Beryllium,7440-41-7 Recovery = 100.07%								
Boron,7440-42-8†	199972.3	2.48471	mg/L	0.036661	2.48471	mg/L	0.036661	1.48%
QC value within limits for Boron,7440-42-8 Recovery = 99.39%								
Cadmium,7440-43-9†	156827.5	0.50832	mg/L	0.004830	0.50832	mg/L	0.004830	0.95%
QC value within limits for Cadmium,7440-43-9 Recovery = 101.66%								
Calcium,7440-70-2†	68250.8	5.07094	mg/L	0.014103	5.07094	mg/L	0.014103	0.28%
QC value within limits for Calcium,7440-70-2 Recovery = 101.42%								
Chromium,7440-47-3†	128847.1	0.51073	mg/L	0.005628	0.51073	mg/L	0.005628	1.10%
QC value within limits for Chromium,7440-47-3 Recovery = 102.15%								
Cobalt,7440-48-4†	41835.9	0.50870	mg/L	0.005826	0.50870	mg/L	0.005826	1.15%
QC value within limits for Cobalt,7440-48-4 Recovery = 101.74%								
Copper,7440-50-8†	234082.0	0.50649	mg/L	0.006015	0.50649	mg/L	0.006015	1.19%
QC value within limits for Copper,7440-50-8 Recovery = 101.30%								
Iron,7439-89-6†	93070.4	5.07100	mg/L	0.015360	5.07100	mg/L	0.015360	0.30%
QC value within limits for Iron,7439-89-6 Recovery = 101.42%								
Lead,7439-92-1†	7257.1	0.50419	mg/L	0.005609	0.50419	mg/L	0.005609	1.11%
QC value within limits for Lead,7439-92-1 Recovery = 100.84%								
Lithium,7439-93-2†	48970.6	0.50797	mg/L	0.002036	0.50797	mg/L	0.002036	0.40%
QC value within limits for Lithium,7439-93-2 Recovery = 101.59%								
Magnesium,7439-95-4†	16337.1	5.10687	mg/L	0.018892	5.10687	mg/L	0.018892	0.37%
QC value within limits for Magnesium,7439-95-4 Recovery = 102.14%								
Manganese, 7439-96-5†	556645.5	0.51288	mg/L	0.005579	0.51288	mg/L	0.005579	1.09%

QC value within limits for Manganese, 7439-96-5 Recovery = 102.58%
Molybdenum,7439-98-7† 11558.7 0.50749 mg/L 0.006038 0.50749 mg/L 0.006038 1.19%
QC value within limits for Molybdenum,7439-98-7 Recovery = 101.50%
Nickel,7440-02-0† 41467.8 0.51088 mg/L 0.005631 0.51088 mg/L 0.005631 1.10%
QC value within limits for Nickel,7440-02-0 Recovery = 102.18%
Potassium,7440-09-7† 41690.6 10.1952 mg/L 0.01012 10.1952 mg/L 0.01012 0.10%
QC value within limits for Potassium,7440-09-7 Recovery = 101.95%
Selenium,7782-49-2† 1091.7 0.50542 mg/L 0.007992 0.50542 mg/L 0.007992 1.58%
QC value within limits for Selenium,7782-49-2 Recovery = 101.08%
Silicon,7440-21-3† 33210.5 5.03493 mg/L 0.010750 5.03493 mg/L 0.010750 0.21%
QC value within limits for Silicon,7440-21-3 Recovery = 100.70%
Silver,7440-22-4† 210799.0 0.50572 mg/L 0.005262 0.50572 mg/L 0.005262 1.04%
QC value within limits for Silver,7440-22-4 Recovery = 101.14%
Sodium,7440-23-5† 193173.5 20.9902 mg/L 0.53790 20.9902 mg/L 0.53790 2.56%
QC value within limits for Sodium,7440-23-5 Recovery = 104.95%
Strontium,7440-24-6† 559672.8 0.51062 mg/L 0.013160 0.51062 mg/L 0.013160 2.58%
QC value within limits for Strontium,7440-24-6 Recovery = 102.12%
Thallium,7440-28-0† 3450.9 0.51598 mg/L 0.005575 0.51598 mg/L 0.005575 1.08%
QC value within limits for Thallium,7440-28-0 Recovery = 103.20%
Tin,7440-31-5† 6361.8 0.51291 mg/L 0.005820 0.51291 mg/L 0.005820 1.13%
QC value within limits for Tin,7440-31-5 Recovery = 102.58%
Titanium,7440-32-6† 400268.5 0.50548 mg/L 0.003007 0.50548 mg/L 0.003007 0.59%
QC value within limits for Titanium,7440-32-6 Recovery = 101.10%
Vanadium,7440-62-2† 108677.7 0.51346 mg/L 0.006559 0.51346 mg/L 0.006559 1.28%
QC value within limits for Vanadium,7440-62-2 Recovery = 102.69%
Zinc,7440-66-6† 85633.7 0.50464 mg/L 0.005687 0.50464 mg/L 0.005687 1.13%
QC value within limits for Zinc,7440-66-6 Recovery = 100.93%
Zirconium,7440-67-7† 410578.3 0.50185 mg/L 0.006729 0.50185 mg/L 0.006729 1.34%
QC value within limits for Zirconium,7440-67-7 Recovery = 100.37%
All analyte(s) passed QC.

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Sequence No.: 25 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 7/14/2008 3:03:22 PM**
Data Type: Reprocessed on 7/15/2008 8:59:00 AM

Logged In Analyst (Original) : met

Mean Data: 1900

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	113969.6	100.930	%	0.0841				0.08%
Ar 420.067 R	3415475.0	100.763	%	0.2507				0.25%
Scandium-IS	4560168.6	98.0694	%	0.45710				0.47%
Yttrium,7440-65-5A	2219101.1	97.7629	%	0.43920				0.45%
Yttrium,7440-65-5R	340341.5	99.1819	%	0.48031				0.48%
Aluminum,7429-90-5†	1.8	0.00089	mg/L	0.003881	0.00089	mg/L	0.003881	434.79%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	0.5	0.00010	mg/L	0.001817	0.00010	mg/L	0.001817	>999.9%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-0.9	-0.00037	mg/L	0.002470	-0.00037	mg/L	0.002470	664.54%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	30.3	0.00010	mg/L	0.000043	0.00010	mg/L	0.000043	42.37%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-180.9	-0.00003	mg/L	0.000026	-0.00003	mg/L	0.000026	91.80%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	-83.5	-0.00104	mg/L	0.001212	-0.00104	mg/L	0.001212	116.96%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	49.2	0.00016	mg/L	0.000022	0.00016	mg/L	0.000022	13.61%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-174.4	-0.01297	mg/L	0.004518	-0.01297	mg/L	0.004518	34.85%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	26.8	0.00011	mg/L	0.000070	0.00011	mg/L	0.000070	65.43%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	-10.7	-0.00013	mg/L	0.000166	-0.00013	mg/L	0.000166	128.39%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-736.4	-0.00159	mg/L	0.000155	-0.00159	mg/L	0.000155	9.71%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	-17.6	-0.00096	mg/L	0.000987	-0.00096	mg/L	0.000987	102.98%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-14.6	-0.00101	mg/L	0.000862	-0.00101	mg/L	0.000862	85.24%

QC value within limits for Lead,7439-92-1 Recovery = Not calculated
Lithium,7439-93-2† 10.2 0.00011 mg/L 0.000395 0.00011 mg/L 0.000395 372.64%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated
Magnesium,7439-95-4† 7.2 0.00224 mg/L 0.003136 0.00224 mg/L 0.003136 140.17%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated
Manganese, 7439-96-5† -122.1 -0.00011 mg/L 0.000019 -0.00011 mg/L 0.000019 16.80%
QC value within limits for Manganese, 7439-96-5 Recovery = Not calculated
Molybdenum,7439-98-7† 14.1 0.00062 mg/L 0.000173 0.00062 mg/L 0.000173 27.91%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated
Nickel,7440-02-0† 20.6 0.00025 mg/L 0.000111 0.00025 mg/L 0.000111 43.67%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated
Potassium,7440-09-7† 71.3 0.01744 mg/L 0.012051 0.01744 mg/L 0.012051 69.11%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated
Selenium,7782-49-2† 1.1 0.00052 mg/L 0.000266 0.00052 mg/L 0.000266 50.67%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated
Silicon,7440-21-3† 17.0 0.00258 mg/L 0.001004 0.00258 mg/L 0.001004 38.98%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated
Silver,7440-22-4† -170.9 -0.00041 mg/L 0.000095 -0.00041 mg/L 0.000095 23.22%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated
Sodium,7440-23-5† 4101.1 0.44583 mg/L 0.029850 0.44583 mg/L 0.029850 6.70%
QC value greater than the upper limit for Sodium,7440-23-5 Recovery = Not calculated
Strontium,7440-24-6† 14.4 0.00001 mg/L 0.000119 0.00001 mg/L 0.000119 875.98%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated
Thallium,7440-28-0† 3.2 0.00048 mg/L 0.001790 0.00048 mg/L 0.001790 372.34%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated
Tin,7440-31-5† 1.8 0.00014 mg/L 0.001183 0.00014 mg/L 0.001183 837.76%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated
Titanium,7440-32-6† -30.7 -0.00004 mg/L 0.000099 -0.00004 mg/L 0.000099 255.66%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated
Vanadium,7440-62-2† 111.2 0.00052 mg/L 0.000027 0.00052 mg/L 0.000027 5.12%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated
Zinc,7440-66-6† -184.3 -0.00110 mg/L 0.000014 -0.00110 mg/L 0.000014 1.28%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated
Zirconium,7440-67-7† 238.1 0.00029 mg/L 0.000069 0.00029 mg/L 0.000069 23.64%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
QC Failed. Continue with analysis.

Sequence No.: 26 **Autosampler Location: 27**
Sample ID: 20807092601 **Date Collected: 7/14/2008 3:10:04 PM**
Data Type: Reprocessed on 7/15/2008 8:59:02 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 20807092601

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	104701.4	92.7224	%	0.27992				0.30%
Ar 420.067 R	3284840.8	96.9093	%	0.44446				0.46%
Scandium-IS	4265848.3	91.7398	%	0.76251				0.83%
Yttrium,7440-65-5A	2019435.2	88.9666	%	0.66263				0.74%
Yttrium,7440-65-5R	330773.3	96.3935	%	1.59175				1.65%
Aluminum,7429-90-5†	28.0	0.01162	mg/L	0.017294	0.01162	mg/L	0.017294	148.85%
Antimony,7440-36-0†	-15.2	-0.00263	mg/L	0.004799	-0.00263	mg/L	0.004799	182.24%
Arsenic,7440-38-2†	652.5	0.28656	mg/L	0.001257	0.28656	mg/L	0.001257	0.44%
Barium,7440-39-3†	581018.3	1.93184	mg/L	0.013946	1.93184	mg/L	0.013946	0.72%
Beryllium,7440-41-7†	-2386.2	-0.00037	mg/L	0.000008	-0.00037	mg/L	0.000008	2.08%
Boron,7440-42-8†	26239.8	0.33237	mg/L	0.002400	0.33237	mg/L	0.002400	0.72%
Cadmium,7440-43-9†	-3729.1	-0.01249	mg/L	0.000066	-0.01249	mg/L	0.000066	0.53%
Calcium,7440-70-2†	2295315.9	170.630	mg/L	0.1308	170.630	mg/L	0.1308	0.08%
Chromium,7440-47-3†	948.5	0.00342	mg/L	0.000078	0.00342	mg/L	0.000078	2.29%
Cobalt,7440-48-4†	-167.6	-0.00228	mg/L	0.000146	-0.00228	mg/L	0.000146	6.40%
Copper,7440-50-8†	10448.7	0.02011	mg/L	0.000366	0.02011	mg/L	0.000366	1.82%
Iron,7439-89-6†	217103.9	11.8292	mg/L	0.01764	11.8292	mg/L	0.01764	0.15%
Lead,7439-92-1†	66.7	0.00277	mg/L	0.000286	0.00277	mg/L	0.000286	10.36%
Lithium,7439-93-2†	5213.4	0.05410	mg/L	0.002030	0.05410	mg/L	0.002030	3.75%
Magnesium,7439-95-4†	174515.7	54.5183	mg/L	0.03664	54.5183	mg/L	0.03664	0.07%
Manganese, 7439-96-5†	388032.4	0.35717	mg/L	0.002606	0.35717	mg/L	0.002606	0.73%
Molybdenum,7439-98-7†	216.3	0.01047	mg/L	0.000732	0.01047	mg/L	0.000732	7.00%
Nickel,7440-02-0†	287.7	0.00244	mg/L	0.000280	0.00244	mg/L	0.000280	11.51%

Potassium,7440-09-7†	49090.8	12.0079	mg/L	0.27701	12.0079	mg/L	0.27701 2.31%
Selenium,7782-49-2†	-7.9	-0.00037	mg/L	0.001975	-0.00037	mg/L	0.001975 527.71%
Silicon,7440-21-3†	311770.5	47.2622	mg/L	0.03321	47.2622	mg/L	0.03321 0.07%
Silver,7440-22-4†	-192.9	-0.00080	mg/L	0.000087	-0.00080	mg/L	0.000087 10.89%
Sodium,7440-23-5†	4659599.6	506.515	mg/L	0.4506	506.515	mg/L	0.4506 0.09%
Strontium,7440-24-6†	1561397.5	1.42035	mg/L	0.001558	1.42035	mg/L	0.001558 0.11%
Thallium,7440-28-0†	-12.9	-0.00469	mg/L	0.001152	-0.00469	mg/L	0.001152 24.54%
Tin,7440-31-5†	-426.1	-0.02117	mg/L	0.000544	-0.02117	mg/L	0.000544 2.57%
Titanium,7440-32-6†	180.5	0.00021	mg/L	0.000094	0.00021	mg/L	0.000094 44.25%
Vanadium,7440-62-2†	-1073.0	-0.00117	mg/L	0.000694	-0.00117	mg/L	0.000694 59.22%
Zinc,7440-66-6†	7834214.8	46.5550	mg/L	0.57535	46.5550	mg/L	0.57535 1.24%
Zirconium,7440-67-7†	1936.9	0.00133	mg/L	0.000152	0.00133	mg/L	0.000152 11.40%

Sequence No.: 27
Sample ID: 20807097301

Autosampler Location: 28
Date Collected: 7/14/2008 3:16:20 PM
Data Type: Reprocessed on 7/15/2008 8:59:04 AM

Logged In Analyst (Original) : met
Dilution: 5X

Mean Data: 20807097301

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	105927.2	93.8079	%	0.28949				0.31%
Ar 420.067 R	3295872.5	97.2347	%	0.11509				0.12%
Scandium-IS	3719547.2	79.9913	%	0.52627				0.66%
Yttrium,7440-65-5A	1759225.2	77.5030	%	0.47290				0.61%
Yttrium,7440-65-5R	305400.3	88.9993	%	0.67861				0.76%
Aluminum,7429-90-5†	337.0	0.16635	mg/L	0.273247	0.83176	mg/L	1.366234	164.26%
Antimony,7440-36-0†	13.3	0.00267	mg/L	0.000937	0.01334	mg/L	0.004684	35.12%
Arsenic,7440-38-2†	1.6	0.00081	mg/L	0.001000	0.00406	mg/L	0.005002	123.30%
Barium,7440-39-3†	11631.4	0.03862	mg/L	0.000182	0.19308	mg/L	0.000912	0.47%
Beryllium,7440-41-7†	-3093.3	-0.00050	mg/L	0.000010	-0.00249	mg/L	0.000049	1.95%
Boron,7440-42-8†	1208.3	0.01550	mg/L	0.001030	0.07751	mg/L	0.005150	6.64%
Cadmium,7440-43-9†	-64.0	-0.00019	mg/L	0.000030	-0.00096	mg/L	0.000152	15.73%
Calcium,7440-70-2†	179834.0	13.3686	mg/L	0.06421	66.8432	mg/L	0.32104	0.48%
Chromium,7440-47-3†	246.4	0.00097	mg/L	0.000071	0.00486	mg/L	0.000356	7.33%
Cobalt,7440-48-4†	-27.8	-0.00035	mg/L	0.000061	-0.00173	mg/L	0.000305	17.61%
Copper,7440-50-8†	1764.0	0.00368	mg/L	0.000026	0.01838	mg/L	0.000132	0.72%
Iron,7439-89-6†	2419.5	0.13181	mg/L	0.002162	0.65904	mg/L	0.010809	1.64%
Lead,7439-92-1†	-21.0	-0.00137	mg/L	0.000679	-0.00684	mg/L	0.003395	49.65%
Lithium,7439-93-2†	-794.5	-0.00824	mg/L	0.001115	-0.04121	mg/L	0.005573	13.52%
Magnesium,7439-95-4†	5324.0	1.66300	mg/L	0.018544	8.31498	mg/L	0.092718	1.12%
Manganese, 7439-96-5†	4665.0	0.00428	mg/L	0.000049	0.02139	mg/L	0.000243	1.14%
Molybdenum,7439-98-7†	-4.6	-0.00016	mg/L	0.000515	-0.00079	mg/L	0.002576	326.82%
Nickel,7440-02-0†	181.7	0.00222	mg/L	0.000355	0.01112	mg/L	0.001776	15.97%
Potassium,7440-09-7†	24104.1	5.89608	mg/L	0.069818	29.4804	mg/L	0.34909	1.18%
Selenium,7782-49-2†	-5.4	-0.00236	mg/L	0.000722	-0.01180	mg/L	0.003611	30.61%
Silicon,7440-21-3†	7373.1	1.11741	mg/L	0.022731	5.58707	mg/L	0.113653	2.03%
Silver,7440-22-4†	-267.6	-0.00067	mg/L	0.000136	-0.00337	mg/L	0.000681	20.23%
Sodium,7440-23-5†	Saturated2							
Strontium,7440-24-6†	68793.6	0.06240	mg/L	0.000160	0.31199	mg/L	0.000801	0.26%
Thallium,7440-28-0†	-13.4	-0.00218	mg/L	0.001208	-0.01089	mg/L	0.006042	55.48%
Tin,7440-31-5†	-86.0	-0.00650	mg/L	0.000933	-0.03250	mg/L	0.004666	14.35%
Titanium,7440-32-6†	-394.3	-0.00050	mg/L	0.000119	-0.00250	mg/L	0.000597	23.84%
Vanadium,7440-62-2†	1564.4	0.00751	mg/L	0.000229	0.03756	mg/L	0.001146	3.05%
Zinc,7440-66-6†	2965.8	0.01758	mg/L	0.001538	0.08790	mg/L	0.007689	8.75%
Zirconium,7440-67-7†	811.9	0.00094	mg/L	0.000133	0.00472	mg/L	0.000665	14.09%

Sequence No.: 28
Sample ID: 20807098604

Autosampler Location: 29
Date Collected: 7/14/2008 3:22:06 PM
Data Type: Reprocessed on 7/15/2008 8:59:05 AM

Logged In Analyst (Original) : met
Dilution: 5X

Mean Data: 20807098604

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD

171655

Ar 363.268 A	99744.9	88.3330 %	0.77089				0.87%
Ar 420.067 R	3238935.8	95.5550 %	0.05275				0.06%
Scandium-IS	3612915.8	77.6981 %	3.72960				4.80%
Yttrium,7440-65-5A	1706439.0	75.1775 %	3.62500				4.82%
Yttrium,7440-65-5R	302621.2	88.1895 %	1.02409				1.16%
Aluminum,7429-90-5†	127.4	0.06013 mg/L	0.007259	0.30067	mg/L	0.036294	12.07%
Antimony,7440-36-0†	-11.4	-0.00201 mg/L	0.003381	-0.01005	mg/L	0.016906	168.29%
Arsenic,7440-38-2†	-1.3	0.00014 mg/L	0.002223	0.00072	mg/L	0.011116	>999.9%
Barium,7440-39-3†	74948.2	0.24801 mg/L	0.016647	1.24003	mg/L	0.083236	6.71%
Beryllium,7440-41-7†	-3900.9	-0.00063 mg/L	0.000116	-0.00315	mg/L	0.000580	18.42%
Boron,7440-42-8†	604.9	0.01694 mg/L	0.001844	0.08470	mg/L	0.009221	10.89%
Cadmium,7440-43-9†	-418.4	-0.00098 mg/L	0.000066	-0.00492	mg/L	0.000328	6.66%
Calcium,7440-70-2†	3439591.1	255.695 mg/L	0.4009	1278.48	mg/L	2.004	0.16%
Chromium,7440-47-3†	841.4	0.00316 mg/L	0.000194	0.01581	mg/L	0.000971	6.15%
Cobalt,7440-48-4†	-45.5	-0.00065 mg/L	0.000090	-0.00324	mg/L	0.000450	13.89%
Copper,7440-50-8†	17756.9	0.03589 mg/L	0.003143	0.17945	mg/L	0.015717	8.76%
Iron,7439-89-6†	12888.8	0.70194 mg/L	0.021293	3.50972	mg/L	0.106466	3.03%
Lead,7439-92-1†	-7.1	0.00159 mg/L	0.001736	0.00793	mg/L	0.008682	109.45%
Lithium,7439-93-2†	152.8	0.00158 mg/L	0.001487	0.00791	mg/L	0.007435	93.96%
Magnesium,7439-95-4†	80937.9	25.2814 mg/L	0.71623	126.407	mg/L	3.5812	2.83%
Manganese, 7439-96-5†	138490.0	0.12721 mg/L	0.008571	0.63604	mg/L	0.042853	6.74%
Molybdenum,7439-98-7†	4.3	0.00099 mg/L	0.000743	0.00493	mg/L	0.003717	75.38%
Nickel,7440-02-0†	1924.4	0.02354 mg/L	0.001619	0.11769	mg/L	0.008094	6.88%
Potassium,7440-09-7†	15509.1	3.79967 mg/L	0.130369	18.9984	mg/L	0.65185	3.43%
Selenium,7782-49-2†	-8.9	-0.00150 mg/L	0.003524	-0.00748	mg/L	0.017621	235.47%
Silicon,7440-21-3†	23464.3	3.54526 mg/L	0.098279	17.7263	mg/L	0.49140	2.77%
Silver,7440-22-4†	-9.9	-0.00081 mg/L	0.000337	-0.00405	mg/L	0.001683	41.56%
Sodium,7440-23-5†	Saturated2						
Strontium,7440-24-6†	1732179.8	1.57326 mg/L	0.001262	7.86632	mg/L	0.006311	0.08%
Thallium,7440-28-0†	-16.7	-0.00838 mg/L	0.002238	-0.04190	mg/L	0.011190	26.71%
Tin,7440-31-5†	-413.9	-0.02732 mg/L	0.000202	-0.13658	mg/L	0.001009	0.74%
Titanium,7440-32-6†	911.8	0.00115 mg/L	0.000190	0.00574	mg/L	0.000952	16.59%
Vanadium,7440-62-2†	-19.4	0.00295 mg/L	0.001449	0.01476	mg/L	0.007245	49.10%
Zinc,7440-66-6†	5738.0	0.03369 mg/L	0.001284	0.16845	mg/L	0.006422	3.81%
Zirconium,7440-67-7†	2374.1	0.00203 mg/L	0.000269	0.01013	mg/L	0.001345	13.27%

Sequence No.: 29
Sample ID: 20807098605

Autosampler Location: 30
Date Collected: 7/14/2008 3:27:54 PM
Data Type: Reprocessed on 7/15/2008 8:59:07 AM

Logged In Analyst (Original) : met
Dilution: 5X

Mean Data: 20807098605

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	99784.2	88.3678	%	0.20307				0.23%
Ar 420.067 R	3213138.2	94.7939	%	0.17786				0.19%
Scandium-IS	3720074.9	80.0026	%	0.88276				1.10%
Yttrium,7440-65-5A	1757084.5	77.4087	%	0.84145				1.09%
Yttrium,7440-65-5R	304511.9	88.7405	%	0.28040				0.32%
Aluminum,7429-90-5†	124.8	0.05890	mg/L	0.006202	0.29450	mg/L	0.031010	10.53%
Antimony,7440-36-0†	-14.2	-0.00256	mg/L	0.002494	-0.01280	mg/L	0.012472	97.44%
Arsenic,7440-38-2†	6.8	0.00374	mg/L	0.003730	0.01870	mg/L	0.018651	99.73%
Barium,7440-39-3†	79579.8	0.26343	mg/L	0.002054	1.31716	mg/L	0.010268	0.78%
Beryllium,7440-41-7†	-3457.3	-0.00056	mg/L	0.000046	-0.00279	mg/L	0.000231	8.29%
Boron,7440-42-8†	303.7	0.01307	mg/L	0.000251	0.06536	mg/L	0.001257	1.92%
Cadmium,7440-43-9†	-426.1	-0.00101	mg/L	0.000074	-0.00507	mg/L	0.000372	7.32%
Calcium,7440-70-2†	3387729.9	251.840	mg/L	0.8215	1259.20	mg/L	4.108	0.33%
Chromium,7440-47-3†	815.3	0.00306	mg/L	0.000178	0.01530	mg/L	0.000888	5.81%
Cobalt,7440-48-4†	-37.7	-0.00055	mg/L	0.000094	-0.00275	mg/L	0.000468	17.04%
Copper,7440-50-8†	16790.1	0.03382	mg/L	0.000484	0.16911	mg/L	0.002418	1.43%
Iron,7439-89-6†	12918.8	0.70358	mg/L	0.005357	3.51789	mg/L	0.026785	0.76%
Lead,7439-92-1†	-19.9	0.00067	mg/L	0.000859	0.00334	mg/L	0.004293	128.52%
Lithium,7439-93-2†	-433.5	-0.00450	mg/L	0.001329	-0.02249	mg/L	0.006647	29.55%
Magnesium,7439-95-4†	80895.8	25.2683	mg/L	0.08399	126.341	mg/L	0.4199	0.33%
Manganese, 7439-96-5†	132327.9	0.12153	mg/L	0.000868	0.60767	mg/L	0.004338	0.71%
Molybdenum,7439-98-7†	10.8	0.00126	mg/L	0.000663	0.00629	mg/L	0.003317	52.70%
Nickel,7440-02-0†	1843.5	0.02254	mg/L	0.000147	0.11271	mg/L	0.000737	0.65%
Potassium,7440-09-7†	14890.2	3.64818	mg/L	0.042476	18.2409	mg/L	0.21238	1.16%

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Selenium,7782-49-2†	-12.2	-0.00306	mg/L	0.002513	-0.01531	mg/L	0.012567	82.09%
Silicon,7440-21-3†	23471.0	3.54633	mg/L	0.012081	17.7317	mg/L	0.06041	0.34%
Silver,7440-22-4†	-149.1	-0.00113	mg/L	0.000161	-0.00566	mg/L	0.000804	14.21%
Sodium,7440-23-5†	Saturated2							
Strontium,7440-24-6†	1718746.5	1.56111	mg/L	0.002456	7.80557	mg/L	0.012278	0.16%
Thallium,7440-28-0†	-13.1	-0.00776	mg/L	0.000727	-0.03879	mg/L	0.003636	9.37%
Tin,7440-31-5†	-390.0	-0.02548	mg/L	0.000556	-0.12739	mg/L	0.002780	2.18%
Titanium,7440-32-6†	1018.6	0.00128	mg/L	0.000153	0.00642	mg/L	0.000764	11.91%
Vanadium,7440-62-2†	-59.2	0.00276	mg/L	0.000157	0.01381	mg/L	0.000783	5.67%
Zinc,7440-66-6†	4614.0	0.02701	mg/L	0.000684	0.13507	mg/L	0.003418	2.53%
Zirconium,7440-67-7†	2242.2	0.00188	mg/L	0.000102	0.00939	mg/L	0.000508	5.40%

Sequence No.: 30 **Autosampler Location: 31**
Sample ID: 20807098801 **Date Collected: 7/14/2008 3:33:45 PM**
Data Type: Reprocessed on 7/15/2008 8:59:09 AM

Logged In Analyst (Original) : met
Dilution: 5X

Mean Data: 20807098801

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	104412.1	92.4662	%	0.44272				0.48%
Ar 420.067 R	3271118.8	96.5044	%	0.47110				0.49%
Scandium-IS	3622766.8	77.9099	%	0.40465				0.52%
Yttrium,7440-65-5A	1711714.4	75.4099	%	0.36665				0.49%
Yttrium,7440-65-5R	302379.2	88.1189	%	0.16653				0.19%
Aluminum,7429-90-5†	132.2	0.06534	mg/L	0.004767	0.32672	mg/L	0.023836	7.30%
Antimony,7440-36-0†	14.8	0.00285	mg/L	0.002368	0.01425	mg/L	0.011839	83.07%
Arsenic,7440-38-2†	-24.0	-0.01060	mg/L	0.002830	-0.05301	mg/L	0.014148	26.69%
Barium,7440-39-3†	239.0	0.00078	mg/L	0.000042	0.00390	mg/L	0.000208	5.33%
Beryllium,7440-41-7†	-2833.6	-0.00046	mg/L	0.000030	-0.00232	mg/L	0.000151	6.50%
Boron,7440-42-8†	205.9	0.00261	mg/L	0.000805	0.01303	mg/L	0.004024	30.89%
Cadmium,7440-43-9†	3.8	0.00000	mg/L	0.000030	-0.00002	mg/L	0.000151	846.12%
Calcium,7440-70-2†	4571.0	0.33973	mg/L	0.002843	1.69864	mg/L	0.014213	0.84%
Chromium,7440-47-3†	1940.6	0.00768	mg/L	0.000043	0.03841	mg/L	0.000213	0.56%
Cobalt,7440-48-4†	-13.7	-0.00021	mg/L	0.000185	-0.00106	mg/L	0.000924	87.40%
Copper,7440-50-8†	20870.0	0.04515	mg/L	0.001318	0.22577	mg/L	0.006592	2.92%
Iron,7439-89-6†	553.8	0.03017	mg/L	0.000836	0.15086	mg/L	0.004182	2.77%
Lead,7439-92-1†	-21.2	-0.00179	mg/L	0.001458	-0.00893	mg/L	0.007289	81.65%
Lithium,7439-93-2†	1040.0	0.01079	mg/L	0.000839	0.05394	mg/L	0.004194	7.77%
Magnesium,7439-95-4†	59.0	0.01843	mg/L	0.001936	0.09217	mg/L	0.009681	10.50%
Manganese, 7439-96-5†	1456.5	0.00134	mg/L	0.000047	0.00671	mg/L	0.000234	3.50%
Molybdenum,7439-98-7†	-26.9	-0.00119	mg/L	0.000420	-0.00593	mg/L	0.002098	35.38%
Nickel,7440-02-0†	464.7	0.00572	mg/L	0.000596	0.02862	mg/L	0.002980	10.41%
Potassium,7440-09-7†	24513.2	5.99583	mg/L	0.146052	29.9791	mg/L	0.73026	2.44%
Selenium,7782-49-2†	2.5	0.00117	mg/L	0.001800	0.00584	mg/L	0.008999	154.16%
Silicon,7440-21-3†	886.4	0.13443	mg/L	0.002486	0.67213	mg/L	0.012431	1.85%
Silver,7440-22-4†	-272.2	-0.00065	mg/L	0.000223	-0.00327	mg/L	0.001116	34.09%
Sodium,7440-23-5†	Saturated2							
Strontium,7440-24-6†	1054.4	0.00095	mg/L	0.000030	0.00475	mg/L	0.000152	3.20%
Thallium,7440-28-0†	-25.4	-0.00365	mg/L	0.000696	-0.01827	mg/L	0.003481	19.06%
Tin,7440-31-5†	22.8	0.00185	mg/L	0.001502	0.00924	mg/L	0.007508	81.22%
Titanium,7440-32-6†	-329.7	-0.00042	mg/L	0.000179	-0.00211	mg/L	0.000895	42.45%
Vanadium,7440-62-2†	1426.8	0.00673	mg/L	0.000049	0.03367	mg/L	0.000243	0.72%
Zinc,7440-66-6†	1139.0	0.00669	mg/L	0.000275	0.03344	mg/L	0.001375	4.11%
Zirconium,7440-67-7†	183.4	0.00021	mg/L	0.000315	0.00107	mg/L	0.001574	147.39%

Sequence No.: 31 **Autosampler Location: 32**
Sample ID: 20807098901 **Date Collected: 7/14/2008 3:40:25 PM**
Data Type: Reprocessed on 7/15/2008 8:59:11 AM

Logged In Analyst (Original) : met
Dilution: 5X

Mean Data: 20807098901

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	111156.9	98.4393	%	0.24553				0.25%

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Ar 420.067 R	3384759.5	99.8571 %	0.18632				0.19%
Scandium-IS	3974397.9	85.4720 %	0.19384				0.23%
Yttrium,7440-65-5A	1877122.1	82.6969 %	0.15606				0.19%
Yttrium,7440-65-5R	309500.1	90.1941 %	1.19077				1.32%
Aluminum,7429-90-5†	77.2	0.03813 mg/L	0.005496	0.19065 mg/L		0.027482	14.41%
Antimony,7440-36-0†	8.3	0.00166 mg/L	0.002759	0.00828 mg/L		0.013795	166.64%
Arsenic,7440-38-2†	0.2	0.00016 mg/L	0.001020	0.00079 mg/L		0.005100	642.26%
Barium,7440-39-3†	4901.5	0.01626 mg/L	0.000066	0.08131 mg/L		0.000330	0.41%
Beryllium,7440-41-7†	-2751.0	-0.00044 mg/L	0.000024	-0.00222 mg/L		0.000120	5.40%
Boron,7440-42-8†	-303.4	-0.00344 mg/L	0.000197	-0.01719 mg/L		0.000986	5.74%
Cadmium,7440-43-9†	-145.4	-0.00047 mg/L	0.000056	-0.00235 mg/L		0.000282	12.00%
Calcium,7440-70-2†	95143.7	7.07284 mg/L	0.010632	35.3642 mg/L		0.05316	0.15%
Chromium,7440-47-3†	394.6	0.00156 mg/L	0.000068	0.00780 mg/L		0.000338	4.33%
Cobalt,7440-48-4†	-15.3	-0.00020 mg/L	0.000110	-0.00102 mg/L		0.000551	53.99%
Copper,7440-50-8†	3561.8	0.00760 mg/L	0.000093	0.03801 mg/L		0.000467	1.23%
Iron,7439-89-6†	2205.2	0.12014 mg/L	0.001583	0.60070 mg/L		0.007914	1.32%
Lead,7439-92-1†	-7.5	-0.00054 mg/L	0.000370	-0.00270 mg/L		0.001849	68.52%
Lithium,7439-93-2†	-778.0	-0.00807 mg/L	0.000415	-0.04036 mg/L		0.002073	5.14%
Magnesium,7439-95-4†	4717.7	1.47372 mg/L	0.028076	7.36861 mg/L		0.140381	1.91%
Manganese, 7439-96-5†	7255.4	0.00667 mg/L	0.000006	0.03335 mg/L		0.000029	0.09%
Molybdenum,7439-98-7†	88.2	0.00389 mg/L	0.000073	0.01947 mg/L		0.000365	1.88%
Nickel,7440-02-0†	1053.6	0.01298 mg/L	0.000124	0.06489 mg/L		0.000619	0.95%
Potassium,7440-09-7†	1692197.9	413.906 mg/L	2.6504	2069.53 mg/L		13.252	0.64%
Selenium,7782-49-2†	-4.8	-0.00211 mg/L	0.002540	-0.01053 mg/L		0.012698	120.58%
Silicon,7440-21-3†	13417.8	2.03436 mg/L	0.027832	10.1718 mg/L		0.13916	1.37%
Silver,7440-22-4†	-295.5	-0.00072 mg/L	0.000260	-0.00362 mg/L		0.001298	35.87%
Sodium,7440-23-5†	9179703.5	997.919 mg/L	10.2583	4989.60 mg/L		51.292	1.03%
Strontium,7440-24-6†	49517.7	0.04499 mg/L	0.000152	0.22493 mg/L		0.000759	0.34%
Thallium,7440-28-0†	-17.8	-0.00266 mg/L	0.001208	-0.01329 mg/L		0.006040	45.43%
Tin,7440-31-5†	-55.2	-0.00417 mg/L	0.000754	-0.02087 mg/L		0.003769	18.06%
Titanium,7440-32-6†	1045.1	0.00132 mg/L	0.000080	0.00658 mg/L		0.000402	6.11%
Vanadium,7440-62-2†	1781.5	0.00862 mg/L	0.000185	0.04310 mg/L		0.000923	2.14%
Zinc,7440-66-6†	2078.4	0.01224 mg/L	0.000165	0.06121 mg/L		0.000824	1.35%
Zirconium,7440-67-7†	455.3	0.00052 mg/L	0.000139	0.00262 mg/L		0.000697	26.57%

Sequence No.: 32
Sample ID: 20807101202

Autosampler Location: 33
Date Collected: 7/14/2008 3:46:48 PM
Data Type: Reprocessed on 7/15/2008 8:59:13 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 20807101202

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	103372.7	91.5458 %		0.23918				0.26%
Ar 420.067 R	3283186.1	96.8604 %		0.03733				0.04%
Scandium-IS	4223721.0	90.8338 %		2.06300				2.27%
Yttrium,7440-65-5A	2003579.1	88.2680 %		2.10043				2.38%
Yttrium,7440-65-5R	340305.7	99.1714 %		0.14153				0.14%
Aluminum,7429-90-5†	499.5	0.24330 mg/L		0.014640	0.24330	mg/L	0.014640	6.02%
Antimony,7440-36-0†	-5.5	-0.00092 mg/L		0.001376	-0.00092	mg/L	0.001376	149.76%
Arsenic,7440-38-2†	19.8	0.00941 mg/L		0.002343	0.00941	mg/L	0.002343	24.90%
Barium,7440-39-3†	129757.6	0.43023 mg/L		0.013186	0.43023	mg/L	0.013186	3.06%
Beryllium,7440-41-7†	-2811.0	-0.00050 mg/L		0.000075	-0.00050	mg/L	0.000075	14.87%
Boron,7440-42-8†	16868.2	0.22184 mg/L		0.006874	0.22184	mg/L	0.006874	3.10%
Cadmium,7440-43-9†	-2448.3	-0.00766 mg/L		0.000246	-0.00766	mg/L	0.000246	3.21%
Calcium,7440-70-2†	3306563.7	245.806 mg/L		2.2458	245.806	mg/L	2.2458	0.91%
Chromium,7440-47-3†	965.7	0.00335 mg/L		0.000080	0.00335	mg/L	0.000080	2.39%
Cobalt,7440-48-4†	-36.4	-0.00088 mg/L		0.000149	-0.00088	mg/L	0.000149	16.96%
Copper,7440-50-8†	164053.0	0.35010 mg/L		0.011085	0.35010	mg/L	0.011085	3.17%
Iron,7439-89-6†	6030.8	0.32751 mg/L		0.006627	0.32751	mg/L	0.006627	2.02%
Lead,7439-92-1†	36.7	0.00239 mg/L		0.001188	0.00239	mg/L	0.001188	49.68%
Lithium,7439-93-2†	1937.1	0.02010 mg/L		0.001435	0.02010	mg/L	0.001435	7.14%
Magnesium,7439-95-4†	233709.6	73.0073 mg/L		0.68885	73.0073	mg/L	0.68885	0.94%
Manganese, 7439-96-5†	34155.1	0.03077 mg/L		0.001097	0.03077	mg/L	0.001097	3.57%
Molybdenum,7439-98-7†	280.4	0.01312 mg/L		0.000462	0.01312	mg/L	0.000462	3.52%
Nickel,7440-02-0†	1010.6	0.01201 mg/L		0.000479	0.01201	mg/L	0.000479	3.98%
Potassium,7440-09-7†	110804.4	27.1062 mg/L		0.22008	27.1062	mg/L	0.22008	0.81%
Selenium,7782-49-2†	0.0	0.00269 mg/L		0.001794	0.00269	mg/L	0.001794	66.57%

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Silicon,7440-21-3†	174802.6	26.4792	mg/L	0.23285	26.4792	mg/L	0.23285	0.88%
Silver,7440-22-4†	185.3	-0.00047	mg/L	0.000211	-0.00047	mg/L	0.000211	44.55%
Sodium,7440-23-5†	1096998.9	119.248	mg/L	0.8892	119.248	mg/L	0.8892	0.75%
Strontium,7440-24-6†	1047909.6	0.94924	mg/L	0.007754	0.94924	mg/L	0.007754	0.82%
Thallium,7440-28-0†	-0.2	-0.00556	mg/L	0.001841	-0.00556	mg/L	0.001841	33.15%
Tin,7440-31-5†	-318.2	-0.02000	mg/L	0.000260	-0.02000	mg/L	0.000260	1.30%
Titanium,7440-32-6†	4166.9	0.00524	mg/L	0.000322	0.00524	mg/L	0.000322	6.14%
Vanadium,7440-62-2†	2622.7	0.02201	mg/L	0.001063	0.02201	mg/L	0.001063	4.83%
Zinc,7440-66-6†	26770.5	0.15753	mg/L	0.004113	0.15753	mg/L	0.004113	2.61%
Zirconium,7440-67-7†	2370.2	0.00195	mg/L	0.000133	0.00195	mg/L	0.000133	6.84%

Sequence No.: 33
Sample ID: ---

Autosampler Location: 34
Date Collected: 7/14/2008 3:52:42 PM
Data Type: Reprocessed on 7/15/2008 8:59:14 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	113613.7	100.615	%	0.4210				0.42%
Ar 420.067 R	3400406.3	100.319	%	0.4201				0.42%
Scandium-IS	4602433.0	98.9783	%	0.49996				0.51%
Yttrium,7440-65-5A	2243809.2	98.8514	%	0.55719				0.56%
Yttrium,7440-65-5R	343023.5	99.9635	%	1.16272				1.16%
Aluminum,7429-90-5†	26.9	0.01331	mg/L	0.004386	0.01331	mg/L	0.004386	32.96%
Antimony,7440-36-0†	1.9	0.00037	mg/L	0.003562	0.00037	mg/L	0.003562	960.95%
Arsenic,7440-38-2†	-5.3	-0.00234	mg/L	0.000920	-0.00234	mg/L	0.000920	39.29%
Barium,7440-39-3†	143.6	0.00048	mg/L	0.000109	0.00048	mg/L	0.000109	22.71%
Beryllium,7440-41-7†	-363.4	-0.00006	mg/L	0.000023	-0.00006	mg/L	0.000023	39.16%
Boron,7440-42-8†	-1746.5	-0.02167	mg/L	0.000310	-0.02167	mg/L	0.000310	1.43%
Cadmium,7440-43-9†	11.2	0.00004	mg/L	0.000020	0.00004	mg/L	0.000020	54.95%
Calcium,7440-70-2†	154.6	0.01149	mg/L	0.002409	0.01149	mg/L	0.002409	20.96%
Chromium,7440-47-3†	8.8	0.00004	mg/L	0.000021	0.00004	mg/L	0.000021	59.60%
Cobalt,7440-48-4†	8.7	0.00011	mg/L	0.000093	0.00011	mg/L	0.000093	86.09%
Copper,7440-50-8†	-922.8	-0.00200	mg/L	0.000157	-0.00200	mg/L	0.000157	7.85%
Iron,7439-89-6†	6.8	0.00037	mg/L	0.001089	0.00037	mg/L	0.001089	293.30%
Lead,7439-92-1†	-32.7	-0.00227	mg/L	0.001300	-0.00227	mg/L	0.001300	57.17%
Lithium,7439-93-2†	-7.2	-0.00008	mg/L	0.000514	-0.00008	mg/L	0.000514	683.17%
Magnesium,7439-95-4†	13.4	0.00420	mg/L	0.009698	0.00420	mg/L	0.009698	230.74%
Manganese, 7439-96-5†	463.9	0.00043	mg/L	0.000023	0.00043	mg/L	0.000023	5.33%
Molybdenum,7439-98-7†	-2.7	-0.00012	mg/L	0.000404	-0.00012	mg/L	0.000404	345.23%
Nickel,7440-02-0†	36.6	0.00045	mg/L	0.000284	0.00045	mg/L	0.000284	62.76%
Potassium,7440-09-7†	1224.3	0.29945	mg/L	0.013008	0.29945	mg/L	0.013008	4.34%
Selenium,7782-49-2†	-3.4	-0.00157	mg/L	0.001469	-0.00157	mg/L	0.001469	93.45%
Silicon,7440-21-3†	33.1	0.00501	mg/L	0.001904	0.00501	mg/L	0.001904	37.98%
Silver,7440-22-4†	-153.5	-0.00037	mg/L	0.000149	-0.00037	mg/L	0.000149	40.70%
Sodium,7440-23-5†	10712.9	1.16460	mg/L	0.025782	1.16460	mg/L	0.025782	2.21%
Strontium,7440-24-6†	548.8	0.00050	mg/L	0.000051	0.00050	mg/L	0.000051	10.10%
Thallium,7440-28-0†	-4.4	-0.00065	mg/L	0.001759	-0.00065	mg/L	0.001759	272.17%
Tin,7440-31-5†	1.1	0.00009	mg/L	0.001349	0.00009	mg/L	0.001349	>999.9%
Titanium,7440-32-6†	-40.0	-0.00005	mg/L	0.000089	-0.00005	mg/L	0.000089	176.69%
Vanadium,7440-62-2†	103.1	0.00049	mg/L	0.000200	0.00049	mg/L	0.000200	41.14%
Zinc,7440-66-6†	2039.5	0.01212	mg/L	0.000477	0.01212	mg/L	0.000477	3.94%
Zirconium,7440-67-7†	-35.5	-0.00004	mg/L	0.000055	-0.00004	mg/L	0.000055	128.25%

Sequence No.: 34
Sample ID: ---

Autosampler Location: 35
Date Collected: 7/14/2008 3:59:39 PM
Data Type: Reprocessed on 7/15/2008 8:59:16 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	113508.4	100.522	%	0.1248				0.12%
Ar 420.067 R	3392536.0	100.086	%	0.4762				0.48%

Scandium-IS	4631633.5	99.6063	%	0.37220				0.37%
Yttrium,7440-65-5A	2252924.3	99.2530	%	0.33261				0.34%
Yttrium,7440-65-5R	340827.4	99.3235	%	1.18133				1.19%
Aluminum,7429-90-5†	48.2	0.02381	mg/L	0.003317	0.02381	mg/L	0.003317	13.93%
Antimony,7440-36-0†	-5.9	-0.00118	mg/L	0.001586	-0.00118	mg/L	0.001586	134.80%
Arsenic,7440-38-2†	-3.5	-0.00157	mg/L	0.001964	-0.00157	mg/L	0.001964	124.77%
Barium,7440-39-3†	66.6	0.00022	mg/L	0.000070	0.00022	mg/L	0.000070	31.35%
Beryllium,7440-41-7†	-322.2	-0.00005	mg/L	0.000014	-0.00005	mg/L	0.000014	27.52%
Boron,7440-42-8†	-1849.0	-0.02295	mg/L	0.000126	-0.02295	mg/L	0.000126	0.55%
Cadmium,7440-43-9†	7.8	0.00003	mg/L	0.000021	0.00003	mg/L	0.000021	80.04%
Calcium,7440-70-2†	90.0	0.00669	mg/L	0.003869	0.00669	mg/L	0.003869	57.82%
Chromium,7440-47-3†	5.8	0.00002	mg/L	0.000058	0.00002	mg/L	0.000058	248.88%
Cobalt,7440-48-4†	0.3	0.00001	mg/L	0.000071	0.00001	mg/L	0.000071	>999.9%
Copper,7440-50-8†	-980.8	-0.00212	mg/L	0.000064	-0.00212	mg/L	0.000064	2.99%
Iron,7439-89-6†	66.7	0.00363	mg/L	0.000462	0.00363	mg/L	0.000462	12.72%
Lead,7439-92-1†	-30.0	-0.00208	mg/L	0.001063	-0.00208	mg/L	0.001063	51.06%
Lithium,7439-93-2†	72.8	0.00076	mg/L	0.000633	0.00076	mg/L	0.000633	83.77%
Magnesium,7439-95-4†	8.9	0.00279	mg/L	0.004041	0.00279	mg/L	0.004041	145.07%
Manganese, 7439-96-5†	46.9	0.00004	mg/L	0.000010	0.00004	mg/L	0.000010	23.21%
Molybdenum,7439-98-7†	1.4	0.00006	mg/L	0.000332	0.00006	mg/L	0.000332	545.42%
Nickel,7440-02-0†	13.8	0.00017	mg/L	0.000283	0.00017	mg/L	0.000283	166.00%
Potassium,7440-09-7†	1014.9	0.24824	mg/L	0.013294	0.24824	mg/L	0.013294	5.36%
Selenium,7782-49-2†	-0.4	-0.00017	mg/L	0.001297	-0.00017	mg/L	0.001297	764.29%
Silicon,7440-21-3†	27.9	0.00422	mg/L	0.001677	0.00422	mg/L	0.001677	39.70%
Silver,7440-22-4†	-47.9	-0.00011	mg/L	0.000080	-0.00011	mg/L	0.000080	70.21%
Sodium,7440-23-5†	9737.4	1.05854	mg/L	0.023578	1.05854	mg/L	0.023578	2.23%
Strontium,7440-24-6†	464.7	0.00042	mg/L	0.000034	0.00042	mg/L	0.000034	7.96%
Thallium,7440-28-0†	-9.7	-0.00143	mg/L	0.001208	-0.00143	mg/L	0.001208	84.70%
Tin,7440-31-5†	3.6	0.00029	mg/L	0.000506	0.00029	mg/L	0.000506	175.17%
Titanium,7440-32-6†	-161.3	-0.00020	mg/L	0.000190	-0.00020	mg/L	0.000190	93.43%
Vanadium,7440-62-2†	31.1	0.00015	mg/L	0.000042	0.00015	mg/L	0.000042	28.42%
Zinc,7440-66-6†	796.6	0.00473	mg/L	0.000169	0.00473	mg/L	0.000169	3.57%
Zirconium,7440-67-7†	-188.9	-0.00023	mg/L	0.000126	-0.00023	mg/L	0.000126	54.75%

Sequence No.: 35
Sample ID: ----

Autosampler Location: 36
Date Collected: 7/14/2008 4:06:21 PM
Data Type: Reprocessed on 7/15/2008 8:59:18 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: ----

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	116506.7	103.177	%	0.2287				0.22%
Ar 420.067 R	3504254.0	103.382	%	0.0363				0.04%
Scandium-IS	4678946.5	100.624	%	0.6147				0.61%
Yttrium,7440-65-5A	2278648.1	100.386	%	0.6629				0.66%
Yttrium,7440-65-5R	346507.2	100.979	%	1.1302				1.12%
Aluminum,7429-90-5†	32.5	0.01603	mg/L	0.001207	0.01603	mg/L	0.001207	7.53%
Antimony,7440-36-0†	1.6	0.00032	mg/L	0.000124	0.00032	mg/L	0.000124	39.09%
Arsenic,7440-38-2†	-0.5	-0.00023	mg/L	0.000969	-0.00023	mg/L	0.000969	415.90%
Barium,7440-39-3†	66.1	0.00022	mg/L	0.000048	0.00022	mg/L	0.000048	21.93%
Beryllium,7440-41-7†	-397.6	-0.00006	mg/L	0.000016	-0.00006	mg/L	0.000016	25.92%
Boron,7440-42-8†	-1981.6	-0.02458	mg/L	0.000519	-0.02458	mg/L	0.000519	2.11%
Cadmium,7440-43-9†	-2.5	-0.00001	mg/L	0.000010	-0.00001	mg/L	0.000010	129.15%
Calcium,7440-70-2†	2469.0	0.18354	mg/L	0.002845	0.18354	mg/L	0.002845	1.55%
Chromium,7440-47-3†	-12.8	-0.00005	mg/L	0.000056	-0.00005	mg/L	0.000056	109.69%
Cobalt,7440-48-4†	1.0	0.00001	mg/L	0.000169	0.00001	mg/L	0.000169	>999.9%
Copper,7440-50-8†	-769.8	-0.00167	mg/L	0.000075	-0.00167	mg/L	0.000075	4.52%
Iron,7439-89-6†	142.0	0.00774	mg/L	0.001036	0.00774	mg/L	0.001036	13.40%
Lead,7439-92-1†	-38.1	-0.00266	mg/L	0.000412	-0.00266	mg/L	0.000412	15.50%
Lithium,7439-93-2†	-90.5	-0.00094	mg/L	0.000422	-0.00094	mg/L	0.000422	44.99%
Magnesium,7439-95-4†	17.6	0.00552	mg/L	0.001781	0.00552	mg/L	0.001781	32.23%
Manganese, 7439-96-5†	5155.8	0.00475	mg/L	0.000014	0.00475	mg/L	0.000014	0.29%
Molybdenum,7439-98-7†	13.4	0.00059	mg/L	0.000604	0.00059	mg/L	0.000604	102.14%
Nickel,7440-02-0†	-2.2	-0.00003	mg/L	0.000077	-0.00003	mg/L	0.000077	272.61%
Potassium,7440-09-7†	1429.1	0.34956	mg/L	0.016826	0.34956	mg/L	0.016826	4.81%
Selenium,7782-49-2†	-0.6	-0.00029	mg/L	0.001068	-0.00029	mg/L	0.001068	364.47%
Silicon,7440-21-3†	-55.8	-0.00847	mg/L	0.000952	-0.00847	mg/L	0.000952	11.23%

Silver,7440-22-4†	-155.1	-0.00037	mg/L	0.000157	-0.00037	mg/L	0.000157 42.12%
Sodium,7440-23-5†	9146.1	0.99425	mg/L	0.017336	0.99425	mg/L	0.017336 1.74%
Strontium,7440-24-6†	-447.2	-0.00041	mg/L	0.000064	-0.00041	mg/L	0.000064 15.55%
Thallium,7440-28-0†	-4.1	-0.00060	mg/L	0.002001	-0.00060	mg/L	0.002001 334.97%
Tin,7440-31-5†	-7.9	-0.00062	mg/L	0.000594	-0.00062	mg/L	0.000594 95.72%
Titanium,7440-32-6†	-94.8	-0.00012	mg/L	0.000104	-0.00012	mg/L	0.000104 86.91%
Vanadium,7440-62-2†	92.6	0.00043	mg/L	0.000207	0.00043	mg/L	0.000207 48.05%
Zinc,7440-66-6†	2387.8	0.01419	mg/L	0.000127	0.01419	mg/L	0.000127 0.89%
Zirconium,7440-67-7†	15.7	0.00002	mg/L	0.000139	0.00002	mg/L	0.000139 745.12%

Sequence No.: 36
Sample ID: 1800

Autosampler Location: 7
Date Collected: 7/14/2008 4:13:04 PM
Data Type: Reprocessed on 7/15/2008 8:59:20 AM

Logged In Analyst (Original) : met

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	113677.3	100.671	%	0.2269				0.23%
Ar 420.067 R	3418180.0	100.843	%	0.1801				0.18%
Scandium-IS	4593774.9	98.7921	%	1.98231				2.01%
Yttrium,7440-65-5A	2194079.5	96.6606	%	1.90998				1.98%
Yttrium,7440-65-5R	337974.0	98.4919	%	1.79380				1.82%
Aluminum,7429-90-5†	10314.6	5.09679	mg/L	0.086810	5.09679	mg/L	0.086810	1.70%
QC value within limits for Aluminum,7429-90-5 Recovery = 101.94%								
Antimony,7440-36-0†	2544.6	0.50301	mg/L	0.012791	0.50301	mg/L	0.012791	2.54%
QC value within limits for Antimony,7440-36-0 Recovery = 100.60%								
Arsenic,7440-38-2†	1142.5	0.51298	mg/L	0.007216	0.51298	mg/L	0.007216	1.41%
QC value within limits for Arsenic,7440-38-2 Recovery = 102.60%								
Barium,7440-39-3†	152756.0	0.50773	mg/L	0.004658	0.50773	mg/L	0.004658	0.92%
QC value within limits for Barium,7440-39-3 Recovery = 101.55%								
Beryllium,7440-41-7†	3125051.5	0.50053	mg/L	0.003561	0.50053	mg/L	0.003561	0.71%
QC value within limits for Beryllium,7440-41-7 Recovery = 100.11%								
Boron,7440-42-8†	200175.6	2.48720	mg/L	0.009217	2.48720	mg/L	0.009217	0.37%
QC value within limits for Boron,7440-42-8 Recovery = 99.49%								
Cadmium,7440-43-9†	156328.4	0.50670	mg/L	0.003536	0.50670	mg/L	0.003536	0.70%
QC value within limits for Cadmium,7440-43-9 Recovery = 101.34%								
Calcium,7440-70-2†	69164.2	5.13885	mg/L	0.082815	5.13885	mg/L	0.082815	1.61%
QC value within limits for Calcium,7440-70-2 Recovery = 102.78%								
Chromium,7440-47-3†	128411.5	0.50900	mg/L	0.004876	0.50900	mg/L	0.004876	0.96%
QC value within limits for Chromium,7440-47-3 Recovery = 101.80%								
Cobalt,7440-48-4†	41780.9	0.50803	mg/L	0.011487	0.50803	mg/L	0.011487	2.26%
QC value within limits for Cobalt,7440-48-4 Recovery = 101.61%								
Copper,7440-50-8†	232013.4	0.50202	mg/L	0.004324	0.50202	mg/L	0.004324	0.86%
QC value within limits for Copper,7440-50-8 Recovery = 100.40%								
Iron,7439-89-6†	94268.0	5.13625	mg/L	0.077843	5.13625	mg/L	0.077843	1.52%
QC value within limits for Iron,7439-89-6 Recovery = 102.73%								
Lead,7439-92-1†	7294.3	0.50682	mg/L	0.008971	0.50682	mg/L	0.008971	1.77%
QC value within limits for Lead,7439-92-1 Recovery = 101.36%								
Lithium,7439-93-2†	49715.2	0.51569	mg/L	0.008422	0.51569	mg/L	0.008422	1.63%
QC value within limits for Lithium,7439-93-2 Recovery = 103.14%								
Magnesium,7439-95-4†	16514.5	5.16227	mg/L	0.078114	5.16227	mg/L	0.078114	1.51%
QC value within limits for Magnesium,7439-95-4 Recovery = 103.25%								
Manganese, 7439-96-5†	551911.3	0.50852	mg/L	0.004234	0.50852	mg/L	0.004234	0.83%
QC value within limits for Manganese, 7439-96-5 Recovery = 101.70%								
Molybdenum,7439-98-7†	11590.4	0.50889	mg/L	0.013319	0.50889	mg/L	0.013319	2.62%
QC value within limits for Molybdenum,7439-98-7 Recovery = 101.78%								
Nickel,7440-02-0†	40977.9	0.50483	mg/L	0.011008	0.50483	mg/L	0.011008	2.18%
QC value within limits for Nickel,7440-02-0 Recovery = 100.97%								
Potassium,7440-09-7†	43184.2	10.5605	mg/L	0.17790	10.5605	mg/L	0.17790	1.68%
QC value within limits for Potassium,7440-09-7 Recovery = 105.61%								
Selenium,7782-49-2†	1102.3	0.51032	mg/L	0.018469	0.51032	mg/L	0.018469	3.62%
QC value within limits for Selenium,7782-49-2 Recovery = 102.06%								
Silicon,7440-21-3†	33551.0	5.08656	mg/L	0.082077	5.08656	mg/L	0.082077	1.61%
QC value within limits for Silicon,7440-21-3 Recovery = 101.73%								
Silver,7440-22-4†	209545.3	0.50271	mg/L	0.004081	0.50271	mg/L	0.004081	0.81%
QC value within limits for Silver,7440-22-4 Recovery = 100.54%								
Sodium,7440-23-5†	194088.9	21.0896	mg/L	0.56822	21.0896	mg/L	0.56822	2.69%
QC value within limits for Sodium,7440-23-5 Recovery = 105.45%								

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Strontium,7440-24-6†  556744.9     0.50796 mg/L      0.013660     0.50796 mg/L      0.013660   2.69%
   QC value within limits for Strontium,7440-24-6  Recovery = 101.59%
Thallium,7440-28-0†     3478.5     0.51997 mg/L      0.010005     0.51997 mg/L      0.010005   1.92%
   QC value within limits for Thallium,7440-28-0  Recovery = 103.99%
Tin,7440-31-5†          6382.7     0.51464 mg/L      0.012587     0.51464 mg/L      0.012587   2.45%
   QC value within limits for Tin,7440-31-5  Recovery = 102.93%
Titanium,7440-32-6†   401457.8     0.50698 mg/L      0.004241     0.50698 mg/L      0.004241   0.84%
   QC value within limits for Titanium,7440-32-6  Recovery = 101.40%
Vanadium,7440-62-2†   107659.4     0.50862 mg/L      0.004870     0.50862 mg/L      0.004870   0.96%
   QC value within limits for Vanadium,7440-62-2  Recovery = 101.72%
Zinc,7440-66-6†        86365.0     0.50901 mg/L      0.003948     0.50901 mg/L      0.003948   0.78%
   QC value within limits for Zinc,7440-66-6  Recovery = 101.80%
Zirconium,7440-67-7†  409945.6     0.50108 mg/L      0.004209     0.50108 mg/L      0.004209   0.84%
   QC value within limits for Zirconium,7440-67-7  Recovery = 100.22%
All analyte(s) passed QC.
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Sequence No.: 37 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 7/14/2008 4:18:22 PM**
Data Type: Reprocessed on 7/15/2008 8:59:22 AM

Logged In Analyst (Original) : met

Mean Data: 1900

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	114276.8	101.202	%	0.3986				0.39%
Ar 420.067 R	3402791.0	100.389	%	0.2787				0.28%
Scandium-IS	4695077.9	100.971	%	2.0013				1.98%
Yttrium,7440-65-5A	2286648.4	100.739	%	2.0572				2.04%
Yttrium,7440-65-5R	343900.2	100.219	%	0.5967				0.60%
Aluminum,7429-90-5†	-17.6	-0.00869	mg/L	0.006218	-0.00869	mg/L	0.006218	71.52%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	-5.5	-0.00110	mg/L	0.000602	-0.00110	mg/L	0.000602	54.71%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-0.1	-0.00003	mg/L	0.000682	-0.00003	mg/L	0.000682	>999.9%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	29.4	0.00010	mg/L	0.000025	0.00010	mg/L	0.000025	25.75%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	193.0	0.00003	mg/L	0.000047	0.00003	mg/L	0.000047	150.20%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	-841.2	-0.01044	mg/L	0.001143	-0.01044	mg/L	0.001143	10.94%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	14.4	0.00005	mg/L	0.000008	0.00005	mg/L	0.000008	16.81%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-130.2	-0.00967	mg/L	0.002640	-0.00967	mg/L	0.002640	27.29%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	33.6	0.00013	mg/L	0.000189	0.00013	mg/L	0.000189	141.21%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	1.8	0.00002	mg/L	0.000123	0.00002	mg/L	0.000123	507.49%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-820.6	-0.00178	mg/L	0.000294	-0.00178	mg/L	0.000294	16.57%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	-16.8	-0.00092	mg/L	0.000708	-0.00092	mg/L	0.000708	77.22%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-28.6	-0.00199	mg/L	0.000586	-0.00199	mg/L	0.000586	29.45%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	59.3	0.00061	mg/L	0.000190	0.00061	mg/L	0.000190	30.88%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	2.1	0.00066	mg/L	0.006294	0.00066	mg/L	0.006294	959.89%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese, 7439-96-5†	-90.3	-0.00008	mg/L	0.000028	-0.00008	mg/L	0.000028	33.16%
QC value within limits for Manganese, 7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	3.1	0.00014	mg/L	0.000543	0.00014	mg/L	0.000543	400.13%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-11.0	-0.00014	mg/L	0.000221	-0.00014	mg/L	0.000221	163.57%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	755.6	0.18481	mg/L	0.010266	0.18481	mg/L	0.010266	5.55%
QC value greater than the upper limit for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-3.7	-0.00172	mg/L	0.002477	-0.00172	mg/L	0.002477	144.12%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								

Silicon,7440-21-3†	5.7	0.00087 mg/L	0.001051	0.00087 mg/L	0.001051	121.08%	
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated							
Silver,7440-22-4†	-42.7	-0.00010 mg/L	0.000210	-0.00010 mg/L	0.000210	204.81%	
QC value within limits for Silver,7440-22-4 Recovery = Not calculated							
Sodium,7440-23-5†	7441.2	0.80893 mg/L	0.050238	0.80893 mg/L	0.050238	6.21%	
QC value greater than the upper limit for Sodium,7440-23-5 Recovery = Not calculated							
Strontium,7440-24-6†	172.6	0.00016 mg/L	0.000065	0.00016 mg/L	0.000065	41.27%	
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated							
Thallium,7440-28-0†	1.8	0.00026 mg/L	0.000295	0.00026 mg/L	0.000295	114.40%	
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated							
Tin,7440-31-5†	0.6	0.00004 mg/L	0.000925	0.00004 mg/L	0.000925	>999.9%	
QC value within limits for Tin,7440-31-5 Recovery = Not calculated							
Titanium,7440-32-6†	1.0	0.00000 mg/L	0.000177	0.00000 mg/L	0.000177	>999.9%	
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated							
Vanadium,7440-62-2†	-69.7	-0.00033 mg/L	0.000399	-0.00033 mg/L	0.000399	121.97%	
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated							
Zinc,7440-66-6†	390.7	0.00232 mg/L	0.000128	0.00232 mg/L	0.000128	5.51%	
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated							
Zirconium,7440-67-7†	195.6	0.00024 mg/L	0.000103	0.00024 mg/L	0.000103	42.79%	
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated							
QC Failed. Continue with analysis.							

Sequence No.: 38 **Autosampler Location: 37**
Sample ID: 624040 **Date Collected: 7/14/2008 4:31:50 PM**
Data Type: Reprocessed on 7/15/2008 8:59:24 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 624040

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	114355.1	101.272	%	0.2703				0.27%
Ar 420.067 R	3413911.8	100.717	%	0.2780				0.28%
Scandium-IS	4699053.5	101.056	%	0.4736				0.47%
Yttrium,7440-65-5A	2289058.0	100.845	%	0.5401				0.54%
Yttrium,7440-65-5R	349087.0	101.730	%	1.5629				1.54%
Aluminum,7429-90-5†	-6.5	-0.00320	mg/L	0.009329	-0.00320	mg/L	0.009329	291.08%
Antimony,7440-36-0†	-8.7	-0.00173	mg/L	0.001409	-0.00173	mg/L	0.001409	81.27%
Arsenic,7440-38-2†	-2.8	-0.00124	mg/L	0.000209	-0.00124	mg/L	0.000209	16.90%
Barium,7440-39-3†	9.1	0.00003	mg/L	0.000026	0.00003	mg/L	0.000026	85.52%
Beryllium,7440-41-7†	-101.8	-0.00002	mg/L	0.000016	-0.00002	mg/L	0.000016	98.73%
Boron,7440-42-8†	-1632.8	-0.02026	mg/L	0.000267	-0.02026	mg/L	0.000267	1.32%
Cadmium,7440-43-9†	15.7	0.00005	mg/L	0.000039	0.00005	mg/L	0.000039	75.31%
Calcium,7440-70-2†	-591.4	-0.04396	mg/L	0.002084	-0.04396	mg/L	0.002084	4.74%
Chromium,7440-47-3†	2.2	0.00001	mg/L	0.000056	0.00001	mg/L	0.000056	578.84%
Cobalt,7440-48-4†	5.8	0.00007	mg/L	0.000118	0.00007	mg/L	0.000118	161.06%
Copper,7440-50-8†	-1076.6	-0.00233	mg/L	0.000048	-0.00233	mg/L	0.000048	2.05%
Iron,7439-89-6†	-77.7	-0.00423	mg/L	0.000510	-0.00423	mg/L	0.000510	12.05%
Lead,7439-92-1†	-32.8	-0.00228	mg/L	0.001149	-0.00228	mg/L	0.001149	50.42%
Lithium,7439-93-2†	-129.5	-0.00134	mg/L	0.000711	-0.00134	mg/L	0.000711	52.94%
Magnesium,7439-95-4†	14.4	0.00451	mg/L	0.000872	0.00451	mg/L	0.000872	19.34%
Manganese, 7439-96-5†	497.1	0.00046	mg/L	0.000020	0.00046	mg/L	0.000020	4.27%
Molybdenum,7439-98-7†	13.1	0.00057	mg/L	0.000070	0.00057	mg/L	0.000070	12.21%
Nickel,7440-02-0†	13.7	0.00017	mg/L	0.000306	0.00017	mg/L	0.000306	181.26%
Potassium,7440-09-7†	859.5	0.21022	mg/L	0.018894	0.21022	mg/L	0.018894	8.99%
Selenium,7782-49-2†	-0.0	-0.00002	mg/L	0.002448	-0.00002	mg/L	0.002448	>999.9%
Silicon,7440-21-3†	-8.7	-0.00133	mg/L	0.002499	-0.00133	mg/L	0.002499	188.53%
Silver,7440-22-4†	-70.8	-0.00017	mg/L	0.000073	-0.00017	mg/L	0.000073	43.46%
Sodium,7440-23-5†	6136.3	0.66708	mg/L	0.004388	0.66708	mg/L	0.004388	0.66%
Strontium,7440-24-6†	-487.3	-0.00044	mg/L	0.000046	-0.00044	mg/L	0.000046	10.43%
Thallium,7440-28-0†	-2.3	-0.00034	mg/L	0.002006	-0.00034	mg/L	0.002006	598.62%
Tin,7440-31-5†	-3.7	-0.00030	mg/L	0.000900	-0.00030	mg/L	0.000900	302.73%
Titanium,7440-32-6†	-15.5	-0.00002	mg/L	0.000075	-0.00002	mg/L	0.000075	381.79%
Vanadium,7440-62-2†	48.2	0.00023	mg/L	0.000154	0.00023	mg/L	0.000154	67.09%
Zinc,7440-66-6†	143.0	0.00085	mg/L	0.000086	0.00085	mg/L	0.000086	10.09%
Zirconium,7440-67-7†	-44.8	-0.00005	mg/L	0.000090	-0.00005	mg/L	0.000090	165.64%

Sequence No.: 39 **Autosampler Location: 38**

171663

Sample ID: 624041
Date Collected: 7/14/2008 4:38:49 PM
Data Type: Reprocessed on 7/15/2008 8:59:26 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 624041

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	113833.3	100.810	%	0.2765				0.27%
Ar 420.067 R	3396393.4	100.200	%	0.1543				0.15%
Scandium-IS	4680964.6	100.667	%	1.1921				1.18%
Yttrium,7440-65-5A	2238783.0	98.6300	%	1.13321				1.15%
Yttrium,7440-65-5R	342891.2	99.9249	%	4.54904				4.55%
Aluminum,7429-90-5†	10413.2	5.14546	mg/L	0.251448	5.14546	mg/L	0.251448	4.89%
Antimony,7440-36-0†	2516.2	0.49737	mg/L	0.007566	0.49737	mg/L	0.007566	1.52%
Arsenic,7440-38-2†	1121.3	0.50359	mg/L	0.006475	0.50359	mg/L	0.006475	1.29%
Barium,7440-39-3†	151667.4	0.50411	mg/L	0.010875	0.50411	mg/L	0.010875	2.16%
Beryllium,7440-41-7†	3060784.8	0.49023	mg/L	0.009439	0.49023	mg/L	0.009439	1.93%
Boron,7440-42-8†	194144.7	2.41233	mg/L	0.060063	2.41233	mg/L	0.060063	2.49%
Cadmium,7440-43-9†	154063.8	0.49936	mg/L	0.011197	0.49936	mg/L	0.011197	2.24%
Calcium,7440-70-2†	68444.2	5.08535	mg/L	0.246579	5.08535	mg/L	0.246579	4.85%
Chromium,7440-47-3†	127417.3	0.50506	mg/L	0.010829	0.50506	mg/L	0.010829	2.14%
Cobalt,7440-48-4†	41431.5	0.50379	mg/L	0.011044	0.50379	mg/L	0.011044	2.19%
Copper,7440-50-8†	228764.9	0.49499	mg/L	0.011215	0.49499	mg/L	0.011215	2.27%
Iron,7439-89-6†	94375.1	5.14209	mg/L	0.242315	5.14209	mg/L	0.242315	4.71%
Lead,7439-92-1†	7199.3	0.50022	mg/L	0.006832	0.50022	mg/L	0.006832	1.37%
Lithium,7439-93-2†	49327.5	0.51167	mg/L	0.026176	0.51167	mg/L	0.026176	5.12%
Magnesium,7439-95-4†	16536.9	5.16925	mg/L	0.238401	5.16925	mg/L	0.238401	4.61%
Manganese, 7439-96-5†	550486.3	0.50721	mg/L	0.011374	0.50721	mg/L	0.011374	2.24%
Molybdenum,7439-98-7†	11367.0	0.49908	mg/L	0.006157	0.49908	mg/L	0.006157	1.23%
Nickel,7440-02-0†	41069.2	0.50596	mg/L	0.010137	0.50596	mg/L	0.010137	2.00%
Potassium,7440-09-7†	43012.8	10.5186	mg/L	0.47263	10.5186	mg/L	0.47263	4.49%
Selenium,7782-49-2†	1096.6	0.50768	mg/L	0.004838	0.50768	mg/L	0.004838	0.95%
Silicon,7440-21-3†	32388.7	4.91028	mg/L	0.229206	4.91028	mg/L	0.229206	4.67%
Silver,7440-22-4†	207866.9	0.49869	mg/L	0.010150	0.49869	mg/L	0.010150	2.04%
Sodium,7440-23-5†	197253.8	21.4336	mg/L	1.06089	21.4336	mg/L	1.06089	4.95%
Strontium,7440-24-6†	566602.7	0.51695	mg/L	0.026070	0.51695	mg/L	0.026070	5.04%
Thallium,7440-28-0†	3435.7	0.51364	mg/L	0.006030	0.51364	mg/L	0.006030	1.17%
Tin,7440-31-5†	6243.5	0.50350	mg/L	0.007657	0.50350	mg/L	0.007657	1.52%
Titanium,7440-32-6†	395552.6	0.49952	mg/L	0.009082	0.49952	mg/L	0.009082	1.82%
Vanadium,7440-62-2†	107475.5	0.50776	mg/L	0.011618	0.50776	mg/L	0.011618	2.29%
Zinc,7440-66-6†	83957.4	0.49471	mg/L	0.010900	0.49471	mg/L	0.010900	2.20%
Zirconium,7440-67-7†	1359.9	0.00092	mg/L	0.000392	0.00092	mg/L	0.000392	42.81%

Sequence No.: 40
Autosampler Location: 39
Sample ID: 20807101606
Date Collected: 7/14/2008 4:44:51 PM
Data Type: Reprocessed on 7/15/2008 8:59:28 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 20807101606

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	112582.4	99.7017	%	0.21190				0.21%
Ar 420.067 R	3375877.4	99.5950	%	0.27387				0.27%
Scandium-IS	4725526.9	101.625	%	0.6371				0.63%
Yttrium,7440-65-5A	2274867.5	100.220	%	0.6489				0.65%
Yttrium,7440-65-5R	346651.8	101.021	%	2.7823				2.75%
Aluminum,7429-90-5†	624.7	0.30828	mg/L	0.027432	0.30828	mg/L	0.027432	8.90%
Antimony,7440-36-0†	-14.2	-0.00281	mg/L	0.000603	-0.00281	mg/L	0.000603	21.46%
Arsenic,7440-38-2†	-4.3	-0.00187	mg/L	0.003059	-0.00187	mg/L	0.003059	163.20%
Barium,7440-39-3†	13526.0	0.04493	mg/L	0.000261	0.04493	mg/L	0.000261	0.58%
Beryllium,7440-41-7†	194.6	0.00003	mg/L	0.000011	0.00003	mg/L	0.000011	37.68%
Boron,7440-42-8†	1054.9	0.01376	mg/L	0.000971	0.01376	mg/L	0.000971	7.06%
Cadmium,7440-43-9†	-160.6	-0.00050	mg/L	0.000039	-0.00050	mg/L	0.000039	7.80%
Calcium,7440-70-2†	153174.0	11.3868	mg/L	0.26937	11.3868	mg/L	0.26937	2.37%
Chromium,7440-47-3†	128.1	0.00047	mg/L	0.000056	0.00047	mg/L	0.000056	11.79%
Cobalt,7440-48-4†	18.6	0.00021	mg/L	0.000117	0.00021	mg/L	0.000117	54.79%

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Copper,7440-50-8†	-526.1	-0.00141 mg/L	0.000108	-0.00141 mg/L	0.000108	7.66%
Iron,7439-89-6†	1306.5	0.07112 mg/L	0.002589	0.07112 mg/L	0.002589	3.64%
Lead,7439-92-1†	-26.4	-0.00170 mg/L	0.000932	-0.00170 mg/L	0.000932	54.80%
Lithium,7439-93-2†	-1348.6	-0.01399 mg/L	0.000236	-0.01399 mg/L	0.000236	1.69%
Magnesium,7439-95-4†	13366.4	4.17567 mg/L	0.065168	4.17567 mg/L	0.065168	1.56%
Manganese, 7439-96-5†	25589.2	0.02355 mg/L	0.000161	0.02355 mg/L	0.000161	0.68%
Molybdenum,7439-98-7†	9.3	0.00045 mg/L	0.000912	0.00045 mg/L	0.000912	201.56%
Nickel,7440-02-0†	64.5	0.00077 mg/L	0.000323	0.00077 mg/L	0.000323	42.10%
Potassium,7440-09-7†	15730.6	3.84778 mg/L	0.069229	3.84778 mg/L	0.069229	1.80%
Selenium,7782-49-2†	-1.9	-0.00075 mg/L	0.000912	-0.00075 mg/L	0.000912	121.94%
Silicon,7440-21-3†	13951.7	2.11419 mg/L	0.035918	2.11419 mg/L	0.035918	1.70%
Silver,7440-22-4†	-93.7	-0.00027 mg/L	0.000100	-0.00027 mg/L	0.000100	36.95%
Sodium,7440-23-5†	23587.5	2.56381 mg/L	0.059330	2.56381 mg/L	0.059330	2.31%
Strontium,7440-24-6†	67670.4	0.06143 mg/L	0.001408	0.06143 mg/L	0.001408	2.29%
Thallium,7440-28-0†	10.7	0.00131 mg/L	0.001026	0.00131 mg/L	0.001026	78.09%
Tin,7440-31-5†	-98.0	-0.00754 mg/L	0.000393	-0.00754 mg/L	0.000393	5.21%
Titanium,7440-32-6†	2324.3	0.00294 mg/L	0.000205	0.00294 mg/L	0.000205	6.98%
Vanadium,7440-62-2†	-128.1	-0.00005 mg/L	0.000277	-0.00005 mg/L	0.000277	530.06%
Zinc,7440-66-6†	914.7	0.00535 mg/L	0.000071	0.00535 mg/L	0.000071	1.33%
Zirconium,7440-67-7†	242.4	0.00025 mg/L	0.000090	0.00025 mg/L	0.000090	36.12%

Sequence No.: 41
Sample ID: 20807101607

Autosampler Location: 40
Date Collected: 7/14/2008 4:50:40 PM
Data Type: Reprocessed on 7/15/2008 8:59:30 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 20807101607

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	112264.6	99.4203	%	0.14608				0.15%
Ar 420.067 R	3371641.0	99.4700	%	0.20016				0.20%
Scandium-IS	4665847.8	100.342	%	0.1612				0.16%
Yttrium,7440-65-5A	2231944.0	98.3287	%	0.17116				0.17%
Yttrium,7440-65-5R	343373.7	100.066	%	0.6709				0.67%
Aluminum,7429-90-5†	11303.4	5.58480	mg/L	0.034436	5.58480	mg/L	0.034436	0.62%
Antimony,7440-36-0†	2524.5	0.49919	mg/L	0.005032	0.49919	mg/L	0.005032	1.01%
Arsenic,7440-38-2†	1130.6	0.50770	mg/L	0.006032	0.50770	mg/L	0.006032	1.19%
Barium,7440-39-3†	161607.1	0.53713	mg/L	0.004826	0.53713	mg/L	0.004826	0.90%
Beryllium,7440-41-7†	3074291.9	0.49240	mg/L	0.001150	0.49240	mg/L	0.001150	0.23%
Boron,7440-42-8†	195232.3	2.42642	mg/L	0.020792	2.42642	mg/L	0.020792	0.86%
Cadmium,7440-43-9†	149900.2	0.48588	mg/L	0.004563	0.48588	mg/L	0.004563	0.94%
Calcium,7440-70-2†	212459.7	15.7913	mg/L	0.14033	15.7913	mg/L	0.14033	0.89%
Chromium,7440-47-3†	124103.4	0.49189	mg/L	0.004010	0.49189	mg/L	0.004010	0.82%
Cobalt,7440-48-4†	40347.6	0.49055	mg/L	0.004621	0.49055	mg/L	0.004621	0.94%
Copper,7440-50-8†	223564.5	0.48350	mg/L	0.004398	0.48350	mg/L	0.004398	0.91%
Iron,7439-89-6†	95113.2	5.18225	mg/L	0.042000	5.18225	mg/L	0.042000	0.81%
Lead,7439-92-1†	7123.5	0.49516	mg/L	0.004228	0.49516	mg/L	0.004228	0.85%
Lithium,7439-93-2†	48771.2	0.50590	mg/L	0.004853	0.50590	mg/L	0.004853	0.96%
Magnesium,7439-95-4†	28489.9	8.90334	mg/L	0.094814	8.90334	mg/L	0.094814	1.06%
Manganese, 7439-96-5†	567343.5	0.52271	mg/L	0.004801	0.52271	mg/L	0.004801	0.92%
Molybdenum,7439-98-7†	11392.3	0.50024	mg/L	0.004196	0.50024	mg/L	0.004196	0.84%
Nickel,7440-02-0†	39914.6	0.49170	mg/L	0.004730	0.49170	mg/L	0.004730	0.96%
Potassium,7440-09-7†	56865.1	13.9070	mg/L	0.08672	13.9070	mg/L	0.08672	0.62%
Selenium,7782-49-2†	1100.0	0.50938	mg/L	0.006409	0.50938	mg/L	0.006409	1.26%
Silicon,7440-21-3†	46921.3	7.11275	mg/L	0.049384	7.11275	mg/L	0.049384	0.69%
Silver,7440-22-4†	204178.4	0.48980	mg/L	0.003858	0.48980	mg/L	0.003858	0.79%
Sodium,7440-23-5†	210510.0	22.8744	mg/L	0.23861	22.8744	mg/L	0.23861	1.04%
Strontium,7440-24-6†	617295.9	0.56291	mg/L	0.005949	0.56291	mg/L	0.005949	1.06%
Thallium,7440-28-0†	3449.8	0.51542	mg/L	0.005470	0.51542	mg/L	0.005470	1.06%
Tin,7440-31-5†	6232.2	0.50286	mg/L	0.004663	0.50286	mg/L	0.004663	0.93%
Titanium,7440-32-6†	401045.4	0.50647	mg/L	0.001859	0.50647	mg/L	0.001859	0.37%
Vanadium,7440-62-2†	105922.8	0.50083	mg/L	0.004637	0.50083	mg/L	0.004637	0.93%
Zinc,7440-66-6†	82748.2	0.48754	mg/L	0.004057	0.48754	mg/L	0.004057	0.83%
Zirconium,7440-67-7†	780.9	0.00017	mg/L	0.000134	0.00017	mg/L	0.000134	80.47%

Sequence No.: 42
Sample ID: 20807101608

Autosampler Location: 41
Date Collected: 7/14/2008 4:56:42 PM

Data Type: Reprocessed on 7/15/2008 8:59:32 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 20807101608

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	111687.7	98.9094	%	0.09753				0.10%
Ar 420.067 R	3374114.6	99.5430	%	0.13955				0.14%
Scandium-IS	4691632.2	100.897	%	0.8214				0.81%
Yttrium,7440-65-5A	2243357.6	98.8315	%	0.78563				0.79%
Yttrium,7440-65-5R	345523.0	100.692	%	1.5646				1.55%
Aluminum,7429-90-5†	11476.9	5.67058	mg/L	0.036985	5.67058	mg/L	0.036985	0.65%
Antimony,7440-36-0†	2560.0	0.50618	mg/L	0.000776	0.50618	mg/L	0.000776	0.15%
Arsenic,7440-38-2†	1132.4	0.50863	mg/L	0.001086	0.50863	mg/L	0.001086	0.21%
Barium,7440-39-3†	166052.1	0.55190	mg/L	0.005267	0.55190	mg/L	0.005267	0.95%
Beryllium,7440-41-7†	3092927.1	0.49537	mg/L	0.004610	0.49537	mg/L	0.004610	0.93%
Boron,7440-42-8†	203647.1	2.53096	mg/L	0.028601	2.53096	mg/L	0.028601	1.13%
Cadmium,7440-43-9†	153673.9	0.49811	mg/L	0.005464	0.49811	mg/L	0.005464	1.10%
Calcium,7440-70-2†	221199.6	16.4410	mg/L	0.12905	16.4410	mg/L	0.12905	0.78%
Chromium,7440-47-3†	126720.5	0.50226	mg/L	0.004556	0.50226	mg/L	0.004556	0.91%
Cobalt,7440-48-4†	41303.9	0.50219	mg/L	0.005140	0.50219	mg/L	0.005140	1.02%
Copper,7440-50-8†	229252.3	0.49579	mg/L	0.004899	0.49579	mg/L	0.004899	0.99%
Iron,7439-89-6†	95483.3	5.20241	mg/L	0.042216	5.20241	mg/L	0.042216	0.81%
Lead,7439-92-1†	7150.6	0.49699	mg/L	0.002865	0.49699	mg/L	0.002865	0.58%
Lithium,7439-93-2†	48729.2	0.50547	mg/L	0.002784	0.50547	mg/L	0.002784	0.55%
Magnesium,7439-95-4†	29208.0	9.12775	mg/L	0.076669	9.12775	mg/L	0.076669	0.84%
Manganese, 7439-96-5†	581899.2	0.53612	mg/L	0.004982	0.53612	mg/L	0.004982	0.93%
Molybdenum,7439-98-7†	11514.6	0.50561	mg/L	0.002812	0.50561	mg/L	0.002812	0.56%
Nickel,7440-02-0†	40787.1	0.50245	mg/L	0.005885	0.50245	mg/L	0.005885	1.17%
Potassium,7440-09-7†	57838.4	14.1450	mg/L	0.12758	14.1450	mg/L	0.12758	0.90%
Selenium,7782-49-2†	1116.7	0.51711	mg/L	0.001086	0.51711	mg/L	0.001086	0.21%
Silicon,7440-21-3†	48291.8	7.32050	mg/L	0.060272	7.32050	mg/L	0.060272	0.82%
Silver,7440-22-4†	209000.6	0.50137	mg/L	0.004616	0.50137	mg/L	0.004616	0.92%
Sodium,7440-23-5†	212530.1	23.0940	mg/L	0.28865	23.0940	mg/L	0.28865	1.25%
Strontium,7440-24-6†	625181.6	0.57008	mg/L	0.007785	0.57008	mg/L	0.007785	1.37%
Thallium,7440-28-0†	3467.2	0.51814	mg/L	0.002158	0.51814	mg/L	0.002158	0.42%
Tin,7440-31-5†	6295.0	0.50790	mg/L	0.001505	0.50790	mg/L	0.001505	0.30%
Titanium,7440-32-6†	406335.5	0.51315	mg/L	0.004335	0.51315	mg/L	0.004335	0.84%
Vanadium,7440-62-2†	108480.0	0.51294	mg/L	0.005288	0.51294	mg/L	0.005288	1.03%
Zinc,7440-66-6†	85040.0	0.50108	mg/L	0.005124	0.50108	mg/L	0.005124	1.02%
Zirconium,7440-67-7†	741.4	0.00011	mg/L	0.000051	0.00011	mg/L	0.000051	47.75%

Sequence No.: 43
Sample ID: 625306

Autosampler Location: 42
Date Collected: 7/14/2008 5:02:44 PM
Data Type: Reprocessed on 7/15/2008 8:59:33 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 625306

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	112207.8	99.3700	%	0.20202				0.20%
Ar 420.067 R	3346056.0	98.7152	%	0.12482				0.13%
Scandium-IS	4652823.1	100.062	%	1.1025				1.10%
Yttrium,7440-65-5A	2227628.0	98.1385	%	1.02708				1.05%
Yttrium,7440-65-5R	347302.3	101.210	%	0.9268				0.92%
Aluminum,7429-90-5†	10572.6	5.22389	mg/L	0.042608	5.22389	mg/L	0.042608	0.82%
Antimony,7440-36-0†	2477.1	0.48980	mg/L	0.007689	0.48980	mg/L	0.007689	1.57%
Arsenic,7440-38-2†	1107.4	0.49731	mg/L	0.007370	0.49731	mg/L	0.007370	1.48%
Barium,7440-39-3†	159861.8	0.53132	mg/L	0.005485	0.53132	mg/L	0.005485	1.03%
Beryllium,7440-41-7†	3008521.5	0.48186	mg/L	0.002660	0.48186	mg/L	0.002660	0.55%
Boron,7440-42-8†	195541.3	2.43023	mg/L	0.025240	2.43023	mg/L	0.025240	1.04%
Cadmium,7440-43-9†	148197.0	0.48036	mg/L	0.004749	0.48036	mg/L	0.004749	0.99%
Calcium,7440-70-2†	216044.6	16.0579	mg/L	0.11498	16.0579	mg/L	0.11498	0.72%
Chromium,7440-47-3†	122415.2	0.48520	mg/L	0.004789	0.48520	mg/L	0.004789	0.99%
Cobalt,7440-48-4†	39840.7	0.48441	mg/L	0.004849	0.48441	mg/L	0.004849	1.00%
Copper,7440-50-8†	220527.9	0.47692	mg/L	0.004926	0.47692	mg/L	0.004926	1.03%

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Iron,7439-89-6†	92517.3	5.04081 mg/L	0.038448	5.04081 mg/L	0.038448	0.76%
Lead,7439-92-1†	6999.1	0.48647 mg/L	0.006774	0.48647 mg/L	0.006774	1.39%
Lithium,7439-93-2†	48079.2	0.49872 mg/L	0.003163	0.49872 mg/L	0.003163	0.63%
Magnesium,7439-95-4†	28510.2	8.90964 mg/L	0.053917	8.90964 mg/L	0.053917	0.61%
Manganese, 7439-96-5†	561552.9	0.51737 mg/L	0.005390	0.51737 mg/L	0.005390	1.04%
Molybdenum,7439-98-7†	11136.1	0.48899 mg/L	0.006339	0.48899 mg/L	0.006339	1.30%
Nickel,7440-02-0†	39288.8	0.48399 mg/L	0.004533	0.48399 mg/L	0.004533	0.94%
Potassium,7440-09-7†	56580.1	13.8373 mg/L	0.10601	13.8373 mg/L	0.10601	0.77%
Selenium,7782-49-2†	1092.5	0.50590 mg/L	0.003885	0.50590 mg/L	0.003885	0.77%
Silicon,7440-21-3†	44768.6	6.78625 mg/L	0.050095	6.78625 mg/L	0.050095	0.74%
Silver,7440-22-4†	203576.9	0.48835 mg/L	0.004819	0.48835 mg/L	0.004819	0.99%
Sodium,7440-23-5†	208095.3	22.6122 mg/L	0.26319	22.6122 mg/L	0.26319	1.16%
Strontium,7440-24-6†	610205.8	0.55643 mg/L	0.006378	0.55643 mg/L	0.006378	1.15%
Thallium,7440-28-0†	3410.6	0.50948 mg/L	0.005395	0.50948 mg/L	0.005395	1.06%
Tin,7440-31-5†	6082.8	0.49081 mg/L	0.006512	0.49081 mg/L	0.006512	1.33%
Titanium,7440-32-6†	391145.2	0.49396 mg/L	0.002716	0.49396 mg/L	0.002716	0.55%
Vanadium,7440-62-2†	104427.8	0.49379 mg/L	0.005297	0.49379 mg/L	0.005297	1.07%
Zinc,7440-66-6†	82397.9	0.48553 mg/L	0.005039	0.48553 mg/L	0.005039	1.04%
Zirconium,7440-67-7†	715.4	0.00010 mg/L	0.000203	0.00010 mg/L	0.000203	199.36%

Sequence No.: 44
Sample ID: 625307

Autosampler Location: 43
Date Collected: 7/14/2008 5:08:46 PM
Data Type: Reprocessed on 7/15/2008 8:59:35 AM

Logged In Analyst (Original) : met
Dilution: 5X

Mean Data: 625307

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	112533.3	99.6583	%	0.29990				0.30%
Ar 420.067 R	3374387.9	99.5511	%	0.41785				0.42%
Scandium-IS	4722364.3	101.557	%	0.9778				0.96%
Yttrium,7440-65-5A	2291869.0	100.969	%	0.9804				0.97%
Yttrium,7440-65-5R	345420.4	100.662	%	1.9353				1.92%
Aluminum,7429-90-5†	102.4	0.05052	mg/L	0.001468	0.25259	mg/L	0.007340	2.91%
Antimony,7440-36-0†	-9.3	-0.00184	mg/L	0.001196	-0.00922	mg/L	0.005981	64.87%
Arsenic,7440-38-2†	-0.9	-0.00042	mg/L	0.000995	-0.00210	mg/L	0.004973	236.42%
Barium,7440-39-3†	2927.0	0.00972	mg/L	0.000077	0.04862	mg/L	0.000383	0.79%
Beryllium,7440-41-7†	384.8	0.00006	mg/L	0.000009	0.00031	mg/L	0.000045	14.63%
Boron,7440-42-8†	1306.2	0.01635	mg/L	0.001898	0.08175	mg/L	0.009490	11.61%
Cadmium,7440-43-9†	30.2	0.00010	mg/L	0.000029	0.00051	mg/L	0.000145	28.32%
Calcium,7440-70-2†	32737.9	2.43370	mg/L	0.050923	12.1685	mg/L	0.25461	2.09%
Chromium,7440-47-3†	8.5	0.00003	mg/L	0.000094	0.00013	mg/L	0.000469	349.83%
Cobalt,7440-48-4†	-4.2	-0.00005	mg/L	0.000057	-0.00026	mg/L	0.000286	110.04%
Copper,7440-50-8†	-903.5	-0.00201	mg/L	0.000095	-0.01006	mg/L	0.000473	4.70%
Iron,7439-89-6†	237.6	0.01293	mg/L	0.000123	0.06466	mg/L	0.000614	0.95%
Lead,7439-92-1†	-26.4	-0.00181	mg/L	0.000607	-0.00904	mg/L	0.003037	33.60%
Lithium,7439-93-2†	-275.4	-0.00286	mg/L	0.000880	-0.01428	mg/L	0.004402	30.82%
Magnesium,7439-95-4†	2839.6	0.88708	mg/L	0.015376	4.43538	mg/L	0.076880	1.73%
Manganese, 7439-96-5†	5251.3	0.00483	mg/L	0.000038	0.02416	mg/L	0.000192	0.80%
Molybdenum,7439-98-7†	23.9	0.00106	mg/L	0.000440	0.00530	mg/L	0.002201	41.53%
Nickel,7440-02-0†	9.7	0.00011	mg/L	0.000187	0.00057	mg/L	0.000936	164.83%
Potassium,7440-09-7†	4154.9	1.01630	mg/L	0.016737	5.08152	mg/L	0.083685	1.65%
Selenium,7782-49-2†	2.2	0.00104	mg/L	0.000779	0.00521	mg/L	0.003897	74.85%
Silicon,7440-21-3†	2861.5	0.43361	mg/L	0.009406	2.16806	mg/L	0.047028	2.17%
Silver,7440-22-4†	54.5	0.00012	mg/L	0.000122	0.00060	mg/L	0.000612	101.63%
Sodium,7440-23-5†	8637.2	0.93887	mg/L	0.042985	4.69436	mg/L	0.214927	4.58%
Strontium,7440-24-6†	15345.4	0.01393	mg/L	0.000105	0.06967	mg/L	0.000523	0.75%
Thallium,7440-28-0†	-1.8	-0.00033	mg/L	0.001245	-0.00166	mg/L	0.006227	374.50%
Tin,7440-31-5†	-20.7	-0.00160	mg/L	0.000477	-0.00798	mg/L	0.002383	29.86%
Titanium,7440-32-6†	316.4	0.00040	mg/L	0.000086	0.00200	mg/L	0.000428	21.42%
Vanadium,7440-62-2†	-175.9	-0.00071	mg/L	0.000398	-0.00353	mg/L	0.001989	56.30%
Zinc,7440-66-6†	346.0	0.00204	mg/L	0.000144	0.01020	mg/L	0.000722	7.08%
Zirconium,7440-67-7†	-150.2	-0.00019	mg/L	0.000018	-0.00097	mg/L	0.000088	9.14%

Sequence No.: 45
Sample ID: 20807101610

Autosampler Location: 44
Date Collected: 7/14/2008 5:15:31 PM
Data Type: Reprocessed on 7/15/2008 8:59:37 AM

171667

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 20807101610

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	113810.0	100.789	%	0.1595				0.16%
Ar 420.067 R	3390285.9	100.020	%	0.1685				0.17%
Scandium-IS	4710627.0	101.305	%	0.9332				0.92%
Yttrium,7440-65-5A	2297833.4	101.231	%	0.9401				0.93%
Yttrium,7440-65-5R	351132.8	102.327	%	0.4897				0.48%
Aluminum,7429-90-5†	-13.6	-0.00674	mg/L	0.009060	-0.00674	mg/L	0.009060	134.41%
Antimony,7440-36-0†	-8.7	-0.00173	mg/L	0.001237	-0.00173	mg/L	0.001237	71.44%
Arsenic,7440-38-2†	-0.3	-0.00014	mg/L	0.000910	-0.00014	mg/L	0.000910	639.32%
Barium,7440-39-3†	81.5	0.00027	mg/L	0.000034	0.00027	mg/L	0.000034	12.69%
Beryllium,7440-41-7†	481.1	0.00008	mg/L	0.000012	0.00008	mg/L	0.000012	15.70%
Boron,7440-42-8†	7.8	0.00010	mg/L	0.000986	0.00010	mg/L	0.000986	991.75%
Cadmium,7440-43-9†	35.8	0.00012	mg/L	0.000022	0.00012	mg/L	0.000022	18.49%
Calcium,7440-70-2†	2239.1	0.16645	mg/L	0.001731	0.16645	mg/L	0.001731	1.04%
Chromium,7440-47-3†	14.3	0.00006	mg/L	0.000105	0.00006	mg/L	0.000105	183.45%
Cobalt,7440-48-4†	8.0	0.00010	mg/L	0.000138	0.00010	mg/L	0.000138	138.74%
Copper,7440-50-8†	-946.3	-0.00205	mg/L	0.000043	-0.00205	mg/L	0.000043	2.10%
Iron,7439-89-6†	84.7	0.00461	mg/L	0.000205	0.00461	mg/L	0.000205	4.45%
Lead,7439-92-1†	-36.9	-0.00257	mg/L	0.000517	-0.00257	mg/L	0.000517	20.11%
Lithium,7439-93-2†	-173.8	-0.00180	mg/L	0.002263	-0.00180	mg/L	0.002263	125.57%
Magnesium,7439-95-4†	9.2	0.00287	mg/L	0.004593	0.00287	mg/L	0.004593	159.97%
Manganese, 7439-96-5†	77.7	0.00007	mg/L	0.000004	0.00007	mg/L	0.000004	6.15%
Molybdenum,7439-98-7†	21.7	0.00095	mg/L	0.000113	0.00095	mg/L	0.000113	11.82%
Nickel,7440-02-0†	-5.8	-0.00007	mg/L	0.000119	-0.00007	mg/L	0.000119	165.20%
Potassium,7440-09-7†	812.0	0.19863	mg/L	0.013552	0.19863	mg/L	0.013552	6.82%
Selenium,7782-49-2†	-7.3	-0.00336	mg/L	0.002621	-0.00336	mg/L	0.002621	77.96%
Silicon,7440-21-3†	52.8	0.00800	mg/L	0.001701	0.00800	mg/L	0.001701	21.27%
Silver,7440-22-4†	-47.5	-0.00011	mg/L	0.000183	-0.00011	mg/L	0.000183	160.11%
Sodium,7440-23-5†	8246.4	0.89644	mg/L	0.010800	0.89644	mg/L	0.010800	1.20%
Strontium,7440-24-6†	-141.1	-0.00013	mg/L	0.000142	-0.00013	mg/L	0.000142	106.73%
Thallium,7440-28-0†	-1.5	-0.00022	mg/L	0.001968	-0.00022	mg/L	0.001968	882.19%
Tin,7440-31-5†	-12.0	-0.00095	mg/L	0.000466	-0.00095	mg/L	0.000466	48.82%
Titanium,7440-32-6†	159.5	0.00020	mg/L	0.000056	0.00020	mg/L	0.000056	27.58%
Vanadium,7440-62-2†	-35.8	-0.00017	mg/L	0.000465	-0.00017	mg/L	0.000465	274.62%
Zinc,7440-66-6†	1063.1	0.00632	mg/L	0.000036	0.00632	mg/L	0.000036	0.57%
Zirconium,7440-67-7†	-155.9	-0.00019	mg/L	0.000115	-0.00019	mg/L	0.000115	60.25%

Sequence No.: 46
Sample ID: ---

Autosampler Location: 45
Date Collected: 7/14/2008 5:22:27 PM
Data Type: Reprocessed on 7/15/2008 8:59:39 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	112803.7	99.8977	%	0.14189				0.14%
Ar 420.067 R	3367023.1	99.3338	%	0.40294				0.41%
Scandium-IS	4687556.2	100.809	%	1.1504				1.14%
Yttrium,7440-65-5A	2288176.7	100.806	%	1.2792				1.27%
Yttrium,7440-65-5R	347419.1	101.244	%	0.8811				0.87%
Aluminum,7429-90-5†	-5.9	-0.00291	mg/L	0.000302	-0.00291	mg/L	0.000302	10.39%
Antimony,7440-36-0†	-11.5	-0.00230	mg/L	0.000907	-0.00230	mg/L	0.000907	39.37%
Arsenic,7440-38-2†	-1.4	-0.00062	mg/L	0.002014	-0.00062	mg/L	0.002014	323.35%
Barium,7440-39-3†	32.1	0.00011	mg/L	0.000041	0.00011	mg/L	0.000041	37.89%
Beryllium,7440-41-7†	306.6	0.00005	mg/L	0.000007	0.00005	mg/L	0.000007	14.87%
Boron,7440-42-8†	-421.0	-0.00523	mg/L	0.000784	-0.00523	mg/L	0.000784	14.99%
Cadmium,7440-43-9†	29.5	0.00010	mg/L	0.000021	0.00010	mg/L	0.000021	21.72%
Calcium,7440-70-2†	35.5	0.00264	mg/L	0.001478	0.00264	mg/L	0.001478	55.92%
Chromium,7440-47-3†	-4.3	-0.00002	mg/L	0.000096	-0.00002	mg/L	0.000096	562.90%
Cobalt,7440-48-4†	7.9	0.00010	mg/L	0.000187	0.00010	mg/L	0.000187	191.78%
Copper,7440-50-8†	-989.6	-0.00214	mg/L	0.000159	-0.00214	mg/L	0.000159	7.43%
Iron,7439-89-6†	360.6	0.01965	mg/L	0.002287	0.01965	mg/L	0.002287	11.64%

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Lead,7439-92-1†	-32.4	-0.00226	mg/L	0.001591	-0.00226	mg/L	0.001591 70.34%
Lithium,7439-93-2†	-106.3	-0.00110	mg/L	0.002279	-0.00110	mg/L	0.002279 206.65%
Magnesium,7439-95-4†	11.1	0.00348	mg/L	0.005451	0.00348	mg/L	0.005451 156.77%
Manganese, 7439-96-5†	145.6	0.00013	mg/L	0.000005	0.00013	mg/L	0.000005 4.08%
Molybdenum,7439-98-7†	11.0	0.00048	mg/L	0.000257	0.00048	mg/L	0.000257 53.16%
Nickel,7440-02-0†	1.5	0.00002	mg/L	0.000238	0.00002	mg/L	0.000238 >999.9%
Potassium,7440-09-7†	458.8	0.11221	mg/L	0.021886	0.11221	mg/L	0.021886 19.50%
Selenium,7782-49-2†	4.0	0.00187	mg/L	0.002950	0.00187	mg/L	0.002950 158.01%
Silicon,7440-21-3†	-7.5	-0.00113	mg/L	0.002346	-0.00113	mg/L	0.002346 206.80%
Silver,7440-22-4†	39.1	0.00009	mg/L	0.000194	0.00009	mg/L	0.000194 206.17%
Sodium,7440-23-5†	5962.9	0.64818	mg/L	0.026899	0.64818	mg/L	0.026899 4.15%
Strontium,7440-24-6†	214.5	0.00020	mg/L	0.000050	0.00020	mg/L	0.000050 25.57%
Thallium,7440-28-0†	-4.4	-0.00065	mg/L	0.000369	-0.00065	mg/L	0.000369 56.76%
Tin,7440-31-5†	-1.4	-0.00010	mg/L	0.000596	-0.00010	mg/L	0.000596 625.71%
Titanium,7440-32-6†	95.0	0.00012	mg/L	0.000128	0.00012	mg/L	0.000128 106.44%
Vanadium,7440-62-2†	-137.6	-0.00065	mg/L	0.000538	-0.00065	mg/L	0.000538 82.92%
Zinc,7440-66-6†	59.2	0.00035	mg/L	0.000070	0.00035	mg/L	0.000070 19.84%
Zirconium,7440-67-7†	-246.3	-0.00030	mg/L	0.000185	-0.00030	mg/L	0.000185 61.13%

Sequence No.: 47
Sample ID: ---

Autosampler Location: 46
Date Collected: 7/14/2008 5:29:08 PM
Data Type: Reprocessed on 7/15/2008 8:59:41 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	113513.9	100.527	%	0.2461				0.24%
Ar 420.067 R	3388050.3	99.9541	%	0.40612				0.41%
Scandium-IS	4668937.8	100.409	%	1.0506				1.05%
Yttrium,7440-65-5A	2278517.6	100.380	%	1.0378				1.03%
Yttrium,7440-65-5R	346032.9	100.840	%	0.5956				0.59%
Aluminum,7429-90-5†	26.7	0.01319	mg/L	0.000243	0.01319	mg/L	0.000243	1.84%
Antimony,7440-36-0†	0.9	0.00019	mg/L	0.001724	0.00019	mg/L	0.001724	929.53%
Arsenic,7440-38-2†	-6.3	-0.00282	mg/L	0.002228	-0.00282	mg/L	0.002228	78.88%
Barium,7440-39-3†	8.7	0.00003	mg/L	0.000069	0.00003	mg/L	0.000069	233.66%
Beryllium,7440-41-7†	55.4	0.00001	mg/L	0.000009	0.00001	mg/L	0.000009	102.62%
Boron,7440-42-8†	-861.9	-0.01070	mg/L	0.000514	-0.01070	mg/L	0.000514	4.80%
Cadmium,7440-43-9†	2.6	0.00001	mg/L	0.000046	0.00001	mg/L	0.000046	506.49%
Calcium,7440-70-2†	-317.0	-0.02356	mg/L	0.001386	-0.02356	mg/L	0.001386	5.88%
Chromium,7440-47-3†	3.6	0.00001	mg/L	0.000071	0.00001	mg/L	0.000071	496.23%
Cobalt,7440-48-4†	3.0	0.00004	mg/L	0.000267	0.00004	mg/L	0.000267	692.31%
Copper,7440-50-8†	-847.8	-0.00183	mg/L	0.000167	-0.00183	mg/L	0.000167	9.10%
Iron,7439-89-6†	-42.6	-0.00232	mg/L	0.000244	-0.00232	mg/L	0.000244	10.51%
Lead,7439-92-1†	-23.9	-0.00166	mg/L	0.000198	-0.00166	mg/L	0.000198	11.93%
Lithium,7439-93-2†	42.4	0.00044	mg/L	0.000784	0.00044	mg/L	0.000784	178.14%
Magnesium,7439-95-4†	0.1	0.00003	mg/L	0.005454	0.00003	mg/L	0.005454	>999.9%
Manganese, 7439-96-5†	-256.4	-0.00024	mg/L	0.000023	-0.00024	mg/L	0.000023	9.76%
Molybdenum,7439-98-7†	23.2	0.00102	mg/L	0.000255	0.00102	mg/L	0.000255	25.03%
Nickel,7440-02-0†	-12.1	-0.00015	mg/L	0.000170	-0.00015	mg/L	0.000170	114.36%
Potassium,7440-09-7†	544.0	0.13305	mg/L	0.017447	0.13305	mg/L	0.017447	13.11%
Selenium,7782-49-2†	-1.8	-0.00082	mg/L	0.000972	-0.00082	mg/L	0.000972	118.25%
Silicon,7440-21-3†	-28.3	-0.00429	mg/L	0.002309	-0.00429	mg/L	0.002309	53.81%
Silver,7440-22-4†	12.2	0.00003	mg/L	0.000193	0.00003	mg/L	0.000193	660.99%
Sodium,7440-23-5†	6170.7	0.67081	mg/L	0.011005	0.67081	mg/L	0.011005	1.64%
Strontium,7440-24-6†	-172.4	-0.00016	mg/L	0.000213	-0.00016	mg/L	0.000213	136.27%
Thallium,7440-28-0†	-3.1	-0.00047	mg/L	0.000823	-0.00047	mg/L	0.000823	177.04%
Tin,7440-31-5†	1.3	0.00010	mg/L	0.000892	0.00010	mg/L	0.000892	881.12%
Titanium,7440-32-6†	-26.0	-0.00003	mg/L	0.000076	-0.00003	mg/L	0.000076	232.80%
Vanadium,7440-62-2†	-86.9	-0.00041	mg/L	0.000333	-0.00041	mg/L	0.000333	81.64%
Zinc,7440-66-6†	-103.6	-0.00061	mg/L	0.000059	-0.00061	mg/L	0.000059	9.62%
Zirconium,7440-67-7†	-198.9	-0.00024	mg/L	0.000148	-0.00024	mg/L	0.000148	60.75%

Sequence No.: 48
Sample ID: 1800

Autosampler Location: 7
Date Collected: 7/14/2008 5:35:50 PM
Data Type: Reprocessed on 7/15/2008 8:59:42 AM

Logged In Analyst (Original) : met

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	112295.4	99.4476	%	0.22804				0.23%
Ar 420.067 R	3344804.2	98.6783	%	0.13235				0.13%
Scandium-IS	4616068.5	99.2715	%	0.72313				0.73%
Yttrium,7440-65-5A	2207562.8	97.2546	%	0.64299				0.66%
Yttrium,7440-65-5R	336510.6	98.0655	%	1.40670				1.43%
Aluminum,7429-90-5†	10270.0	5.07475	mg/L	0.006377	5.07475	mg/L	0.006377	0.13%
QC value within limits for Aluminum,7429-90-5 Recovery = 101.50%								
Antimony,7440-36-0†	2479.9	0.49014	mg/L	0.005528	0.49014	mg/L	0.005528	1.13%
QC value within limits for Antimony,7440-36-0 Recovery = 98.03%								
Arsenic,7440-38-2†	1087.6	0.48857	mg/L	0.005883	0.48857	mg/L	0.005883	1.20%
QC value within limits for Arsenic,7440-38-2 Recovery = 97.71%								
Barium,7440-39-3†	151274.2	0.50280	mg/L	0.006147	0.50280	mg/L	0.006147	1.22%
QC value within limits for Barium,7440-39-3 Recovery = 100.56%								
Beryllium,7440-41-7†	3080181.3	0.49334	mg/L	0.000198	0.49334	mg/L	0.000198	0.04%
QC value within limits for Beryllium,7440-41-7 Recovery = 98.67%								
Boron,7440-42-8†	197618.1	2.45546	mg/L	0.036513	2.45546	mg/L	0.036513	1.49%
QC value within limits for Boron,7440-42-8 Recovery = 98.22%								
Cadmium,7440-43-9†	152737.8	0.49506	mg/L	0.006061	0.49506	mg/L	0.006061	1.22%
QC value within limits for Cadmium,7440-43-9 Recovery = 99.01%								
Calcium,7440-70-2†	67765.3	5.03489	mg/L	0.008944	5.03489	mg/L	0.008944	0.18%
QC value within limits for Calcium,7440-70-2 Recovery = 100.70%								
Chromium,7440-47-3†	126781.9	0.50254	mg/L	0.005527	0.50254	mg/L	0.005527	1.10%
QC value within limits for Chromium,7440-47-3 Recovery = 100.51%								
Cobalt,7440-48-4†	41046.0	0.49907	mg/L	0.006069	0.49907	mg/L	0.006069	1.22%
QC value within limits for Cobalt,7440-48-4 Recovery = 99.81%								
Copper,7440-50-8†	230326.1	0.49836	mg/L	0.006148	0.49836	mg/L	0.006148	1.23%
QC value within limits for Copper,7440-50-8 Recovery = 99.67%								
Iron,7439-89-6†	91798.9	5.00172	mg/L	0.018749	5.00172	mg/L	0.018749	0.37%
QC value within limits for Iron,7439-89-6 Recovery = 100.03%								
Lead,7439-92-1†	7070.9	0.49124	mg/L	0.005633	0.49124	mg/L	0.005633	1.15%
QC value within limits for Lead,7439-92-1 Recovery = 98.25%								
Lithium,7439-93-2†	48755.6	0.50574	mg/L	0.000627	0.50574	mg/L	0.000627	0.12%
QC value within limits for Lithium,7439-93-2 Recovery = 101.15%								
Magnesium,7439-95-4†	16028.0	5.01028	mg/L	0.003360	5.01028	mg/L	0.003360	0.07%
QC value within limits for Magnesium,7439-95-4 Recovery = 100.21%								
Manganese, 7439-96-5†	549502.8	0.50630	mg/L	0.006286	0.50630	mg/L	0.006286	1.24%
QC value within limits for Manganese, 7439-96-5 Recovery = 101.26%								
Molybdenum,7439-98-7†	11297.3	0.49602	mg/L	0.006941	0.49602	mg/L	0.006941	1.40%
QC value within limits for Molybdenum,7439-98-7 Recovery = 99.20%								
Nickel,7440-02-0†	40650.3	0.50080	mg/L	0.006437	0.50080	mg/L	0.006437	1.29%
QC value within limits for Nickel,7440-02-0 Recovery = 100.16%								
Potassium,7440-09-7†	42111.0	10.2980	mg/L	0.04814	10.2980	mg/L	0.04814	0.47%
QC value within limits for Potassium,7440-09-7 Recovery = 102.98%								
Selenium,7782-49-2†	1084.8	0.50221	mg/L	0.009646	0.50221	mg/L	0.009646	1.92%
QC value within limits for Selenium,7782-49-2 Recovery = 100.44%								
Silicon,7440-21-3†	32917.0	4.99046	mg/L	0.016167	4.99046	mg/L	0.016167	0.32%
QC value within limits for Silicon,7440-21-3 Recovery = 99.81%								
Silver,7440-22-4†	208665.2	0.50060	mg/L	0.006000	0.50060	mg/L	0.006000	1.20%
QC value within limits for Silver,7440-22-4 Recovery = 100.12%								
Sodium,7440-23-5†	193881.5	21.0673	mg/L	0.24467	21.0673	mg/L	0.24467	1.16%
QC value within limits for Sodium,7440-23-5 Recovery = 105.34%								
Strontium,7440-24-6†	558713.0	0.50975	mg/L	0.006014	0.50975	mg/L	0.006014	1.18%
QC value within limits for Strontium,7440-24-6 Recovery = 101.95%								
Thallium,7440-28-0†	3420.0	0.51132	mg/L	0.006814	0.51132	mg/L	0.006814	1.33%
QC value within limits for Thallium,7440-28-0 Recovery = 102.26%								
Tin,7440-31-5†	6169.7	0.49749	mg/L	0.006631	0.49749	mg/L	0.006631	1.33%
QC value within limits for Tin,7440-31-5 Recovery = 99.50%								
Titanium,7440-32-6†	398866.0	0.50371	mg/L	0.000988	0.50371	mg/L	0.000988	0.20%
QC value within limits for Titanium,7440-32-6 Recovery = 100.74%								
Vanadium,7440-62-2†	107047.9	0.50573	mg/L	0.006591	0.50573	mg/L	0.006591	1.30%
QC value within limits for Vanadium,7440-62-2 Recovery = 101.15%								
Zinc,7440-66-6†	83960.6	0.49477	mg/L	0.005668	0.49477	mg/L	0.005668	1.15%
QC value within limits for Zinc,7440-66-6 Recovery = 98.95%								
Zirconium,7440-67-7†	409998.7	0.50115	mg/L	0.007270	0.50115	mg/L	0.007270	1.45%
QC value within limits for Zirconium,7440-67-7 Recovery = 100.23%								

All analyte(s) passed QC.

Sequence No.: 49
Sample ID: 1900

Autosampler Location: 1
Date Collected: 7/14/2008 5:41:51 PM
Data Type: Reprocessed on 7/15/2008 8:59:45 AM

Logged In Analyst (Original) : met

Mean Data: 1900

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	112680.1	99.7883	%	0.17893				0.18%
Ar 420.067 R	3353879.4	98.9460	%	0.46899				0.47%
Scandium-IS	4650358.5	100.009	%	0.7258				0.73%
Yttrium,7440-65-5A	2270888.7	100.044	%	0.7002				0.70%
Yttrium,7440-65-5R	341147.6	99.4168	%	1.97515				1.99%
Aluminum,7429-90-5†	-32.8	-0.01622	mg/L	0.003053	-0.01622	mg/L	0.003053	18.82%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	1.3	0.00026	mg/L	0.000886	0.00026	mg/L	0.000886	337.96%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-3.3	-0.00148	mg/L	0.001005	-0.00148	mg/L	0.001005	67.98%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	18.9	0.00006	mg/L	0.000070	0.00006	mg/L	0.000070	109.76%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	480.9	0.00008	mg/L	0.000019	0.00008	mg/L	0.000019	24.34%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	190.4	0.00236	mg/L	0.001324	0.00236	mg/L	0.001324	56.06%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	52.8	0.00017	mg/L	0.000066	0.00017	mg/L	0.000066	38.69%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-42.0	-0.00312	mg/L	0.002169	-0.00312	mg/L	0.002169	69.44%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-7.2	-0.00003	mg/L	0.000022	-0.00003	mg/L	0.000022	78.10%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	19.6	0.00024	mg/L	0.000125	0.00024	mg/L	0.000125	52.24%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-676.4	-0.00146	mg/L	0.000089	-0.00146	mg/L	0.000089	6.07%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	-21.8	-0.00119	mg/L	0.000820	-0.00119	mg/L	0.000820	68.98%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-23.8	-0.00166	mg/L	0.000286	-0.00166	mg/L	0.000286	17.27%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	15.5	0.00016	mg/L	0.000330	0.00016	mg/L	0.000330	205.50%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	12.4	0.00387	mg/L	0.004683	0.00387	mg/L	0.004683	120.94%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese, 7439-96-5†	-100.1	-0.00009	mg/L	0.000024	-0.00009	mg/L	0.000024	25.99%
QC value within limits for Manganese, 7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	25.4	0.00112	mg/L	0.000845	0.00112	mg/L	0.000845	75.76%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	10.7	0.00013	mg/L	0.000127	0.00013	mg/L	0.000127	96.11%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	387.5	0.09477	mg/L	0.028132	0.09477	mg/L	0.028132	29.68%
QC value greater than the upper limit for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-2.2	-0.00101	mg/L	0.003212	-0.00101	mg/L	0.003212	317.82%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	21.0	0.00318	mg/L	0.001409	0.00318	mg/L	0.001409	44.28%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	-56.2	-0.00013	mg/L	0.000287	-0.00013	mg/L	0.000287	213.02%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	5627.4	0.61175	mg/L	0.029952	0.61175	mg/L	0.029952	4.90%
QC value greater than the upper limit for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	237.1	0.00022	mg/L	0.000031	0.00022	mg/L	0.000031	14.30%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	7.7	0.00113	mg/L	0.000669	0.00113	mg/L	0.000669	59.38%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	1.9	0.00015	mg/L	0.000637	0.00015	mg/L	0.000637	419.62%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	166.1	0.00021	mg/L	0.000045	0.00021	mg/L	0.000045	21.28%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2†	-107.2	-0.00050	mg/L	0.000276	-0.00050	mg/L	0.000276	55.22%

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QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated

Zinc,7440-66-6†	50.9	0.00030 mg/L	0.000017	0.00030 mg/L	0.000017	5.69%

QC value within limits for Zinc,7440-66-6 Recovery = Not calculated

Zirconium,7440-67-7†	127.8	0.00016 mg/L	0.000094	0.00016 mg/L	0.000094	59.70%

QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
QC Failed. Continue with analysis.

Sequence No.: 50
Sample ID: 20807101601

Autosampler Location: 47
Date Collected: 7/14/2008 5:48:46 PM
Data Type: Reprocessed on 7/15/2008 8:59:47 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 20807101601

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	110649.1	97.9896	%	0.15832				0.16%
Ar 420.067 R	3356731.1	99.0302	%	0.02703				0.03%
Scandium-IS	4292234.5	92.3073	%	1.35189				1.46%
Yttrium,7440-65-5A	2043885.6	90.0437	%	1.07037				1.19%
Yttrium,7440-65-5R	326276.9	95.0832	%	2.01861				2.12%
Aluminum,7429-90-5†	31.2	0.01491	mg/L	0.008579	0.01491	mg/L	0.008579	57.52%
Antimony,7440-36-0†	-8.5	-0.00165	mg/L	0.001135	-0.00165	mg/L	0.001135	68.65%
Arsenic,7440-38-2†	-3.1	-0.00124	mg/L	0.001050	-0.00124	mg/L	0.001050	84.87%
Barium,7440-39-3†	20851.9	0.06925	mg/L	0.001112	0.06925	mg/L	0.001112	1.61%
Beryllium,7440-41-7†	-1386.0	-0.00023	mg/L	0.000018	-0.00023	mg/L	0.000018	7.81%
Boron,7440-42-8†	753.1	0.01078	mg/L	0.000876	0.01078	mg/L	0.000876	8.13%
Cadmium,7440-43-9†	-119.8	-0.00035	mg/L	0.000057	-0.00035	mg/L	0.000057	16.16%
Calcium,7440-70-2†	333794.9	24.8140	mg/L	0.10596	24.8140	mg/L	0.10596	0.43%
Chromium,7440-47-3†	106.3	0.00035	mg/L	0.000037	0.00035	mg/L	0.000037	10.41%
Cobalt,7440-48-4†	82.2	0.00098	mg/L	0.000219	0.00098	mg/L	0.000219	22.33%
Copper,7440-50-8†	220.2	0.00004	mg/L	0.000326	0.00004	mg/L	0.000326	756.68%
Iron,7439-89-6†	97.3	0.00525	mg/L	0.000274	0.00525	mg/L	0.000274	5.22%
Lead,7439-92-1†	-14.1	-0.00076	mg/L	0.000696	-0.00076	mg/L	0.000696	91.30%
Lithium,7439-93-2†	88.7	0.00092	mg/L	0.001160	0.00092	mg/L	0.001160	126.53%
Magnesium,7439-95-4†	15069.6	4.70864	mg/L	0.111586	4.70864	mg/L	0.111586	2.37%
Manganese, 7439-96-5†	194927.9	0.17959	mg/L	0.002342	0.17959	mg/L	0.002342	1.30%
Molybdenum,7439-98-7†	-16.6	-0.00064	mg/L	0.000585	-0.00064	mg/L	0.000585	91.50%
Nickel,7440-02-0†	164.3	0.00198	mg/L	0.000214	0.00198	mg/L	0.000214	10.82%
Potassium,7440-09-7†	14842.9	3.63096	mg/L	0.050440	3.63096	mg/L	0.050440	1.39%
Selenium,7782-49-2†	-4.6	-0.00181	mg/L	0.002783	-0.00181	mg/L	0.002783	153.80%
Silicon,7440-21-3†	12115.5	1.83527	mg/L	0.045397	1.83527	mg/L	0.045397	2.47%
Silver,7440-22-4†	20.7	-0.00007	mg/L	0.000182	-0.00007	mg/L	0.000182	277.15%
Sodium,7440-23-5†	3730158.8	405.503	mg/L	7.3707	405.503	mg/L	7.3707	1.82%
Strontium,7440-24-6†	169673.4	0.15411	mg/L	0.001076	0.15411	mg/L	0.001076	0.70%
Thallium,7440-28-0†	5.1	0.00011	mg/L	0.000376	0.00011	mg/L	0.000376	351.12%
Tin,7440-31-5†	-165.9	-0.01275	mg/L	0.000941	-0.01275	mg/L	0.000941	7.38%
Titanium,7440-32-6†	-0.1	0.00000	mg/L	0.000151	0.00000	mg/L	0.000151	>999.9%
Vanadium,7440-62-2†	217.9	0.00163	mg/L	0.000618	0.00163	mg/L	0.000618	37.83%
Zinc,7440-66-6†	451.4	0.00255	mg/L	0.000110	0.00255	mg/L	0.000110	4.30%
Zirconium,7440-67-7†	608.6	0.00066	mg/L	0.000120	0.00066	mg/L	0.000120	18.34%

Sequence No.: 51
Sample ID: 20807101602

Autosampler Location: 48
Date Collected: 7/14/2008 5:55:32 PM
Data Type: Reprocessed on 7/15/2008 8:59:48 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 20807101602

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	112307.8	99.4585	%	0.16396				0.16%
Ar 420.067 R	3372344.9	99.4908	%	0.14893				0.15%
Scandium-IS	4693842.3	100.944	%	0.7558				0.75%
Yttrium,7440-65-5A	2259407.4	99.5386	%	0.77254				0.78%
Yttrium,7440-65-5R	347471.9	101.260	%	1.8305				1.81%
Aluminum,7429-90-5†	546.0	0.26945	mg/L	0.004206	0.26945	mg/L	0.004206	1.56%

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Antimony,7440-36-0†	-24.3	-0.00484 mg/L	0.001432	-0.00484 mg/L	0.001432	29.61%
Arsenic,7440-38-2†	-3.4	-0.00146 mg/L	0.002672	-0.00146 mg/L	0.002672	183.08%
Barium,7440-39-3†	7876.2	0.02615 mg/L	0.000246	0.02615 mg/L	0.000246	0.94%
Beryllium,7440-41-7†	189.2	0.00003 mg/L	0.000013	0.00003 mg/L	0.000013	46.76%
Boron,7440-42-8†	92.9	0.00168 mg/L	0.000593	0.00168 mg/L	0.000593	35.36%
Cadmium,7440-43-9†	-130.8	-0.00041 mg/L	0.000019	-0.00041 mg/L	0.000019	4.53%
Calcium,7440-70-2†	154349.2	11.4741 mg/L	0.21001	11.4741 mg/L	0.21001	1.83%
Chromium,7440-47-3†	137.3	0.00052 mg/L	0.000065	0.00052 mg/L	0.000065	12.50%
Cobalt,7440-48-4†	32.7	0.00038 mg/L	0.000064	0.00038 mg/L	0.000064	16.71%
Copper,7440-50-8†	-432.8	-0.00108 mg/L	0.000049	-0.00108 mg/L	0.000049	4.58%
Iron,7439-89-6†	2521.1	0.13735 mg/L	0.004726	0.13735 mg/L	0.004726	3.44%
Lead,7439-92-1†	-24.2	-0.00156 mg/L	0.000323	-0.00156 mg/L	0.000323	20.63%
Lithium,7439-93-2†	-1214.5	-0.01260 mg/L	0.001395	-0.01260 mg/L	0.001395	11.07%
Magnesium,7439-95-4†	5233.4	1.63503 mg/L	0.035150	1.63503 mg/L	0.035150	2.15%
Manganese, 7439-96-5†	48292.3	0.04449 mg/L	0.000215	0.04449 mg/L	0.000215	0.48%
Molybdenum,7439-98-7†	10.2	0.00049 mg/L	0.000622	0.00049 mg/L	0.000622	127.28%
Nickel,7440-02-0†	82.9	0.00100 mg/L	0.000045	0.00100 mg/L	0.000045	4.55%
Potassium,7440-09-7†	8002.0	1.95747 mg/L	0.006971	1.95747 mg/L	0.006971	0.36%
Selenium,7782-49-2†	0.2	0.00024 mg/L	0.000674	0.00024 mg/L	0.000674	277.40%
Silicon,7440-21-3†	11443.7	1.73482 mg/L	0.045636	1.73482 mg/L	0.045636	2.63%
Silver,7440-22-4†	-48.4	-0.00016 mg/L	0.000039	-0.00016 mg/L	0.000039	24.80%
Sodium,7440-23-5†	62620.1	6.80683 mg/L	0.116255	6.80683 mg/L	0.116255	1.71%
Strontium,7440-24-6†	63817.0	0.05791 mg/L	0.001006	0.05791 mg/L	0.001006	1.74%
Thallium,7440-28-0†	6.4	0.00070 mg/L	0.000991	0.00070 mg/L	0.000991	142.58%
Tin,7440-31-5†	-100.3	-0.00768 mg/L	0.000103	-0.00768 mg/L	0.000103	1.35%
Titanium,7440-32-6†	2858.5	0.00361 mg/L	0.000249	0.00361 mg/L	0.000249	6.89%
Vanadium,7440-62-2†	25.4	0.00029 mg/L	0.000223	0.00029 mg/L	0.000223	76.31%
Zinc,7440-66-6†	931.4	0.00548 mg/L	0.000113	0.00548 mg/L	0.000113	2.06%
Zirconium,7440-67-7†	291.1	0.00031 mg/L	0.000066	0.00031 mg/L	0.000066	21.29%

Sequence No.: 52
Sample ID: 20807101603

Autosampler Location: 49
Date Collected: 7/14/2008 6:01:37 PM
Data Type: Reprocessed on 7/15/2008 8:59:50 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 20807101603

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	112566.4	99.6876	%	0.27485				0.28%
Ar 420.067 R	3363739.6	99.2369	%	0.34427				0.35%
Scandium-IS	4760889.1	102.386	%	1.3721				1.34%
Yttrium,7440-65-5A	2290974.0	100.929	%	1.2868				1.27%
Yttrium,7440-65-5R	352852.7	102.828	%	0.9492				0.92%
Aluminum,7429-90-5†	975.6	0.48165	mg/L	0.012337	0.48165	mg/L	0.012337	2.56%
Antimony,7440-36-0†	-3.7	-0.00072	mg/L	0.001893	-0.00072	mg/L	0.001893	261.45%
Arsenic,7440-38-2†	-2.7	-0.00118	mg/L	0.000504	-0.00118	mg/L	0.000504	42.67%
Barium,7440-39-3†	6437.0	0.02137	mg/L	0.000203	0.02137	mg/L	0.000203	0.95%
Beryllium,7440-41-7†	530.4	0.00008	mg/L	0.000013	0.00008	mg/L	0.000013	16.08%
Boron,7440-42-8†	34.5	0.00074	mg/L	0.000573	0.00074	mg/L	0.000573	77.68%
Cadmium,7440-43-9†	-141.1	-0.00046	mg/L	0.000048	-0.00046	mg/L	0.000048	10.52%
Calcium,7440-70-2†	121804.4	9.05477	mg/L	0.052193	9.05477	mg/L	0.052193	0.58%
Chromium,7440-47-3†	133.8	0.00051	mg/L	0.000114	0.00051	mg/L	0.000114	22.23%
Cobalt,7440-48-4†	28.6	0.00034	mg/L	0.000163	0.00034	mg/L	0.000163	48.24%
Copper,7440-50-8†	-182.0	-0.00046	mg/L	0.000190	-0.00046	mg/L	0.000190	40.98%
Iron,7439-89-6†	5527.7	0.30118	mg/L	0.002659	0.30118	mg/L	0.002659	0.88%
Lead,7439-92-1†	-30.6	-0.00204	mg/L	0.001258	-0.00204	mg/L	0.001258	61.68%
Lithium,7439-93-2†	-820.7	-0.00851	mg/L	0.000533	-0.00851	mg/L	0.000533	6.26%
Magnesium,7439-95-4†	3174.3	0.99156	mg/L	0.015962	0.99156	mg/L	0.015962	1.61%
Manganese, 7439-96-5†	13579.8	0.01251	mg/L	0.000134	0.01251	mg/L	0.000134	1.07%
Molybdenum,7439-98-7†	15.6	0.00073	mg/L	0.000361	0.00073	mg/L	0.000361	49.84%
Nickel,7440-02-0†	29.6	0.00034	mg/L	0.000133	0.00034	mg/L	0.000133	39.27%
Potassium,7440-09-7†	14870.2	3.63736	mg/L	0.036206	3.63736	mg/L	0.036206	1.00%
Selenium,7782-49-2†	5.0	0.00243	mg/L	0.001359	0.00243	mg/L	0.001359	55.90%
Silicon,7440-21-3†	12523.7	1.89893	mg/L	0.008316	1.89893	mg/L	0.008316	0.44%
Silver,7440-22-4†	-60.6	-0.00017	mg/L	0.000024	-0.00017	mg/L	0.000024	14.25%
Sodium,7440-23-5†	27800.5	3.02132	mg/L	0.009936	3.02132	mg/L	0.009936	0.33%
Strontium,7440-24-6†	35881.5	0.03250	mg/L	0.000106	0.03250	mg/L	0.000106	0.33%
Thallium,7440-28-0†	6.5	0.00079	mg/L	0.001715	0.00079	mg/L	0.001715	216.09%

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Tin,7440-31-5†	-83.2	-0.00624	mg/L	0.000350	-0.00624	mg/L	0.000350	5.61%
Titanium,7440-32-6†	2435.0	0.00308	mg/L	0.000163	0.00308	mg/L	0.000163	5.30%
Vanadium,7440-62-2†	71.1	0.00037	mg/L	0.000221	0.00037	mg/L	0.000221	60.03%
Zinc,7440-66-6†	215.4	0.00123	mg/L	0.000037	0.00123	mg/L	0.000037	2.98%
Zirconium,7440-67-7†	187.5	0.00019	mg/L	0.000119	0.00019	mg/L	0.000119	63.89%

Sequence No.: 53 **Autosampler Location: 50**
Sample ID: 20807101604 **Date Collected: 7/14/2008 6:07:36 PM**
Data Type: Reprocessed on 7/15/2008 8:59:52 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 20807101604

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	111700.1	98.9204	%	0.40063				0.41%
Ar 420.067 R	3357619.7	99.0564	%	0.15256				0.15%
Scandium-IS	4323876.0	92.9877	%	1.77868				1.91%
Yttrium,7440-65-5A	2066815.2	91.0539	%	1.66659				1.83%
Yttrium,7440-65-5R	329884.1	96.1344	%	0.85689				0.89%
Aluminum,7429-90-5†	1278.0	0.63095	mg/L	0.022675	0.63095	mg/L	0.022675	3.59%
Antimony,7440-36-0†	-6.1	-0.00121	mg/L	0.002596	-0.00121	mg/L	0.002596	213.89%
Arsenic,7440-38-2†	-1.7	-0.00067	mg/L	0.003887	-0.00067	mg/L	0.003887	582.73%
Barium,7440-39-3†	27456.7	0.09129	mg/L	0.001305	0.09129	mg/L	0.001305	1.43%
Beryllium,7440-41-7†	2002.7	0.00032	mg/L	0.000038	0.00032	mg/L	0.000038	12.06%
Boron,7440-42-8†	287.6	0.00405	mg/L	0.000837	0.00405	mg/L	0.000837	20.63%
Cadmium,7440-43-9†	-165.3	-0.00053	mg/L	0.000039	-0.00053	mg/L	0.000039	7.22%
Calcium,7440-70-2†	106055.4	7.88401	mg/L	0.064501	7.88401	mg/L	0.064501	0.82%
Chromium,7440-47-3†	189.6	0.00071	mg/L	0.000136	0.00071	mg/L	0.000136	19.05%
Cobalt,7440-48-4†	289.8	0.00351	mg/L	0.000104	0.00351	mg/L	0.000104	2.95%
Copper,7440-50-8†	1946.7	0.00406	mg/L	0.000533	0.00406	mg/L	0.000533	13.11%
Iron,7439-89-6†	4556.4	0.24824	mg/L	0.003002	0.24824	mg/L	0.003002	1.21%
Lead,7439-92-1†	23.0	0.00170	mg/L	0.000589	0.00170	mg/L	0.000589	34.56%
Lithium,7439-93-2†	-398.0	-0.00413	mg/L	0.001790	-0.00413	mg/L	0.001790	43.35%
Magnesium,7439-95-4†	7000.4	2.18724	mg/L	0.023187	2.18724	mg/L	0.023187	1.06%
Manganese, 7439-96-5†	65500.0	0.06035	mg/L	0.002141	0.06035	mg/L	0.002141	3.55%
Molybdenum,7439-98-7†	6.8	0.00034	mg/L	0.000526	0.00034	mg/L	0.000526	155.58%
Nickel,7440-02-0†	288.7	0.00353	mg/L	0.000177	0.00353	mg/L	0.000177	5.01%
Potassium,7440-09-7†	6224.2	1.52246	mg/L	0.011911	1.52246	mg/L	0.011911	0.78%
Selenium,7782-49-2†	-9.7	-0.00435	mg/L	0.002860	-0.00435	mg/L	0.002860	65.67%
Silicon,7440-21-3†	13005.8	1.97158	mg/L	0.018403	1.97158	mg/L	0.018403	0.93%
Silver,7440-22-4†	-142.2	-0.00037	mg/L	0.000449	-0.00037	mg/L	0.000449	121.13%
Sodium,7440-23-5†	5071798.1	551.351	mg/L	9.7528	551.351	mg/L	9.7528	1.77%
Strontium,7440-24-6†	78362.8	0.07128	mg/L	0.000415	0.07128	mg/L	0.000415	0.58%
Thallium,7440-28-0†	3.4	0.00038	mg/L	0.000666	0.00038	mg/L	0.000666	174.85%
Tin,7440-31-5†	-76.5	-0.00577	mg/L	0.000932	-0.00577	mg/L	0.000932	16.16%
Titanium,7440-32-6†	3880.3	0.00490	mg/L	0.001274	0.00490	mg/L	0.001274	26.01%
Vanadium,7440-62-2†	648.5	0.00328	mg/L	0.000423	0.00328	mg/L	0.000423	12.90%
Zinc,7440-66-6†	1712.6	0.01008	mg/L	0.000131	0.01008	mg/L	0.000131	1.30%
Zirconium,7440-67-7†	405.5	0.00045	mg/L	0.000071	0.00045	mg/L	0.000071	15.72%

Sequence No.: 54 **Autosampler Location: 51**
Sample ID: 20807101605 **Date Collected: 7/14/2008 6:13:54 PM**
Data Type: Reprocessed on 7/15/2008 8:59:54 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 20807101605

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	113391.0	100.418	%	0.1260				0.13%
Ar 420.067 R	3372026.4	99.4814	%	0.27731				0.28%
Scandium-IS	4817593.8	103.605	%	2.2304				2.15%
Yttrium,7440-65-5A	2326483.2	102.494	%	2.7122				2.65%
Yttrium,7440-65-5R	351820.2	102.527	%	1.7297				1.69%
Aluminum,7429-90-5†	622.1	0.30715	mg/L	0.013912	0.30715	mg/L	0.013912	4.53%
Antimony,7440-36-0†	-11.3	-0.00226	mg/L	0.000283	-0.00226	mg/L	0.000283	12.50%

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Arsenic,7440-38-2†	-1.6	-0.00071 mg/L	0.002839	-0.00071 mg/L	0.002839	401.08%
Barium,7440-39-3†	14863.5	0.04943 mg/L	0.001481	0.04943 mg/L	0.001481	3.00%
Beryllium,7440-41-7†	1842.4	0.00029 mg/L	0.000016	0.00029 mg/L	0.000016	5.38%
Boron,7440-42-8†	-1113.0	-0.01363 mg/L	0.000483	-0.01363 mg/L	0.000483	3.54%
Cadmium,7440-43-9†	-263.7	-0.00086 mg/L	0.000025	-0.00086 mg/L	0.000025	2.95%
Calcium,7440-70-2†	36462.5	2.71056 mg/L	0.094628	2.71056 mg/L	0.094628	3.49%
Chromium,7440-47-3†	119.7	0.00046 mg/L	0.000164	0.00046 mg/L	0.000164	35.88%
Cobalt,7440-48-4†	113.1	0.00137 mg/L	0.000153	0.00137 mg/L	0.000153	11.13%
Copper,7440-50-8†	1009.5	0.00211 mg/L	0.000501	0.00211 mg/L	0.000501	23.72%
Iron,7439-89-6†	1948.7	0.10616 mg/L	0.006657	0.10616 mg/L	0.006657	6.27%
Lead,7439-92-1†	-18.6	-0.00126 mg/L	0.000901	-0.00126 mg/L	0.000901	71.29%
Lithium,7439-93-2†	-1160.3	-0.01204 mg/L	0.000521	-0.01204 mg/L	0.000521	4.33%
Magnesium,7439-95-4†	4177.1	1.30496 mg/L	0.050129	1.30496 mg/L	0.050129	3.84%
Manganese, 7439-96-5†	12538.2	0.01155 mg/L	0.000364	0.01155 mg/L	0.000364	3.15%
Molybdenum,7439-98-7†	17.9	0.00080 mg/L	0.000249	0.00080 mg/L	0.000249	31.10%
Nickel,7440-02-0†	98.9	0.00121 mg/L	0.000290	0.00121 mg/L	0.000290	24.05%
Potassium,7440-09-7†	4287.3	1.04864 mg/L	0.032838	1.04864 mg/L	0.032838	3.13%
Selenium,7782-49-2†	-3.3	-0.00147 mg/L	0.003334	-0.00147 mg/L	0.003334	226.90%
Silicon,7440-21-3†	19442.5	2.94824 mg/L	0.094469	2.94824 mg/L	0.094469	3.20%
Silver,7440-22-4†	-23.7	-0.00007 mg/L	0.000221	-0.00007 mg/L	0.000221	324.42%
Sodium,7440-23-5†	58804.8	6.39237 mg/L	0.048884	6.39237 mg/L	0.048884	0.76%
Strontium,7440-24-6†	20890.3	0.01899 mg/L	0.000160	0.01899 mg/L	0.000160	0.85%
Thallium,7440-28-0†	-2.9	-0.00048 mg/L	0.000334	-0.00048 mg/L	0.000334	69.80%
Tin,7440-31-5†	-39.3	-0.00301 mg/L	0.000398	-0.00301 mg/L	0.000398	13.24%
Titanium,7440-32-6†	1141.6	0.00144 mg/L	0.000069	0.00144 mg/L	0.000069	4.80%
Vanadium,7440-62-2†	-155.2	-0.00057 mg/L	0.000743	-0.00057 mg/L	0.000743	130.56%
Zinc,7440-66-6†	1077.4	0.00636 mg/L	0.000276	0.00636 mg/L	0.000276	4.34%
Zirconium,7440-67-7†	-25.9	-0.00005 mg/L	0.000109	-0.00005 mg/L	0.000109	229.30%

Sequence No.: 55
Sample ID: 20807101609

Autosampler Location: 52
Date Collected: 7/14/2008 6:19:42 PM
Data Type: Reprocessed on 7/15/2008 8:59:55 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 20807101609

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	111986.3	99.1739	%	0.30209				0.30%
Ar 420.067 R	3350453.1	98.8450	%	0.20944				0.21%
Scandium-IS	4782919.7	102.860	%	0.6195				0.60%
Yttrium,7440-65-5A	2308111.2	101.684	%	0.5732				0.56%
Yttrium,7440-65-5R	348291.7	101.499	%	2.8209				2.78%
Aluminum,7429-90-5†	173.0	0.08525	mg/L	0.002548	0.08525	mg/L	0.002548	2.99%
Antimony,7440-36-0†	-12.4	-0.00246	mg/L	0.002243	-0.00246	mg/L	0.002243	91.30%
Arsenic,7440-38-2†	-2.9	-0.00125	mg/L	0.001384	-0.00125	mg/L	0.001384	110.59%
Barium,7440-39-3†	8320.9	0.02762	mg/L	0.000213	0.02762	mg/L	0.000213	0.77%
Beryllium,7440-41-7†	534.2	0.00008	mg/L	0.000021	0.00008	mg/L	0.000021	25.23%
Boron,7440-42-8†	-444.8	-0.00496	mg/L	0.000199	-0.00496	mg/L	0.000199	4.02%
Cadmium,7440-43-9†	-152.8	-0.00048	mg/L	0.000022	-0.00048	mg/L	0.000022	4.52%
Calcium,7440-70-2†	158710.6	11.7984	mg/L	0.36249	11.7984	mg/L	0.36249	3.07%
Chromium,7440-47-3†	73.3	0.00027	mg/L	0.000014	0.00027	mg/L	0.000014	5.12%
Cobalt,7440-48-4†	41.4	0.00050	mg/L	0.000247	0.00050	mg/L	0.000247	49.79%
Copper,7440-50-8†	-630.2	-0.00153	mg/L	0.000108	-0.00153	mg/L	0.000108	7.06%
Iron,7439-89-6†	488.3	0.02658	mg/L	0.002293	0.02658	mg/L	0.002293	8.63%
Lead,7439-92-1†	-30.5	-0.00201	mg/L	0.000857	-0.00201	mg/L	0.000857	42.66%
Lithium,7439-93-2†	-1257.2	-0.01304	mg/L	0.000399	-0.01304	mg/L	0.000399	3.06%
Magnesium,7439-95-4†	5504.8	1.71985	mg/L	0.044976	1.71985	mg/L	0.044976	2.62%
Manganese, 7439-96-5†	52419.8	0.04829	mg/L	0.000441	0.04829	mg/L	0.000441	0.91%
Molybdenum,7439-98-7†	13.0	0.00061	mg/L	0.000449	0.00061	mg/L	0.000449	73.20%
Nickel,7440-02-0†	35.8	0.00042	mg/L	0.000140	0.00042	mg/L	0.000140	32.96%
Potassium,7440-09-7†	8125.7	1.98776	mg/L	0.065706	1.98776	mg/L	0.065706	3.31%
Selenium,7782-49-2†	-0.3	-0.00003	mg/L	0.001616	-0.00003	mg/L	0.001616	>999.9%
Silicon,7440-21-3†	11670.2	1.76914	mg/L	0.039563	1.76914	mg/L	0.039563	2.24%
Silver,7440-22-4†	67.9	0.00012	mg/L	0.000193	0.00012	mg/L	0.000193	166.34%
Sodium,7440-23-5†	61639.0	6.70040	mg/L	0.199277	6.70040	mg/L	0.199277	2.97%
Strontium,7440-24-6†	63154.0	0.05729	mg/L	0.001862	0.05729	mg/L	0.001862	3.25%
Thallium,7440-28-0†	1.9	-0.00002	mg/L	0.001333	-0.00002	mg/L	0.001333	>999.9%
Tin,7440-31-5†	-110.3	-0.00856	mg/L	0.000212	-0.00856	mg/L	0.000212	2.47%

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Titanium,7440-32-6†	1107.8	0.00140	mg/L	0.000069	0.00140	mg/L	0.000069 4.91%
Vanadium,7440-62-2†	-196.4	-0.00071	mg/L	0.000090	-0.00071	mg/L	0.000090 12.63%
Zinc,7440-66-6†	219.7	0.00127	mg/L	0.000100	0.00127	mg/L	0.000100 7.91%
Zirconium,7440-67-7†	88.6	0.00007	mg/L	0.000034	0.00007	mg/L	0.000034 51.96%

Sequence No.: 56 **Autosampler Location: 53**
Sample ID: --- **Date Collected: 7/14/2008 6:25:46 PM**
Data Type: Reprocessed on 7/15/2008 8:59:57 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	112120.5	99.2927	%	0.01031				0.01%
Ar 420.067 R	3331477.7	98.2851	%	0.25377				0.26%
Scandium-IS	4647695.2	99.9517	%	0.15142				0.15%
Yttrium,7440-65-5A	2273573.7	100.163	%	0.1283				0.13%
Yttrium,7440-65-5R	344713.5	100.456	%	0.8641				0.86%
Aluminum,7429-90-5†	-18.5	-0.00912	mg/L	0.005240	-0.00912	mg/L	0.005240	57.44%
Antimony,7440-36-0†	-7.3	-0.00145	mg/L	0.001885	-0.00145	mg/L	0.001885	129.86%
Arsenic,7440-38-2†	0.5	0.00020	mg/L	0.000370	0.00020	mg/L	0.000370	186.31%
Barium,7440-39-3†	27.3	0.00009	mg/L	0.000035	0.00009	mg/L	0.000035	38.11%
Beryllium,7440-41-7†	378.4	0.00006	mg/L	0.000014	0.00006	mg/L	0.000014	23.22%
Boron,7440-42-8†	-1608.2	-0.01996	mg/L	0.000291	-0.01996	mg/L	0.000291	1.46%
Cadmium,7440-43-9†	-0.7	0.00000	mg/L	0.000026	0.00000	mg/L	0.000026	>999.9%
Calcium,7440-70-2†	-109.0	-0.00810	mg/L	0.002605	-0.00810	mg/L	0.002605	32.17%
Chromium,7440-47-3†	0.9	0.00000	mg/L	0.000055	0.00000	mg/L	0.000055	>999.9%
Cobalt,7440-48-4†	3.8	0.00005	mg/L	0.000366	0.00005	mg/L	0.000366	758.03%
Copper,7440-50-8†	-923.1	-0.00200	mg/L	0.000211	-0.00200	mg/L	0.000211	10.56%
Iron,7439-89-6†	-51.7	-0.00282	mg/L	0.000611	-0.00282	mg/L	0.000611	21.69%
Lead,7439-92-1†	-30.9	-0.00215	mg/L	0.000910	-0.00215	mg/L	0.000910	42.28%
Lithium,7439-93-2†	-106.2	-0.00110	mg/L	0.000572	-0.00110	mg/L	0.000572	51.96%
Magnesium,7439-95-4†	27.9	0.00871	mg/L	0.004922	0.00871	mg/L	0.004922	56.52%
Manganese, 7439-96-5†	-153.7	-0.00014	mg/L	0.000026	-0.00014	mg/L	0.000026	18.02%
Molybdenum,7439-98-7†	15.7	0.00069	mg/L	0.000262	0.00069	mg/L	0.000262	38.04%
Nickel,7440-02-0†	-17.0	-0.00021	mg/L	0.000226	-0.00021	mg/L	0.000226	108.06%
Potassium,7440-09-7†	432.8	0.10587	mg/L	0.009897	0.10587	mg/L	0.009897	9.35%
Selenium,7782-49-2†	-8.4	-0.00387	mg/L	0.001407	-0.00387	mg/L	0.001407	36.32%
Silicon,7440-21-3†	-23.9	-0.00362	mg/L	0.001256	-0.00362	mg/L	0.001256	34.68%
Silver,7440-22-4†	95.6	0.00023	mg/L	0.000282	0.00023	mg/L	0.000282	123.18%
Sodium,7440-23-5†	5971.9	0.64920	mg/L	0.042600	0.64920	mg/L	0.042600	6.56%
Strontium,7440-24-6†	41.0	0.00004	mg/L	0.000183	0.00004	mg/L	0.000183	486.32%
Thallium,7440-28-0†	-0.7	-0.00012	mg/L	0.001025	-0.00012	mg/L	0.001025	849.85%
Tin,7440-31-5†	-3.9	-0.00032	mg/L	0.000432	-0.00032	mg/L	0.000432	136.62%
Titanium,7440-32-6†	74.3	0.00009	mg/L	0.000132	0.00009	mg/L	0.000132	140.34%
Vanadium,7440-62-2†	-195.2	-0.00091	mg/L	0.000171	-0.00091	mg/L	0.000171	18.72%
Zinc,7440-66-6†	-84.9	-0.00050	mg/L	0.000169	-0.00050	mg/L	0.000169	33.70%
Zirconium,7440-67-7†	-157.2	-0.00019	mg/L	0.000113	-0.00019	mg/L	0.000113	59.03%

Sequence No.: 57 **Autosampler Location: 54**
Sample ID: --- **Date Collected: 7/14/2008 6:32:43 PM**
Data Type: Reprocessed on 7/15/2008 8:59:59 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	112139.8	99.3098	%	0.20672				0.21%
Ar 420.067 R	3332893.4	98.3269	%	0.32177				0.33%
Scandium-IS	4605675.0	99.0480	%	0.18277				0.18%
Yttrium,7440-65-5A	2252932.6	99.2533	%	0.18374				0.19%
Yttrium,7440-65-5R	344107.1	100.279	%	1.5646				1.56%
Aluminum,7429-90-5†	-30.5	-0.01506	mg/L	0.003296	-0.01506	mg/L	0.003296	21.89%
Antimony,7440-36-0†	-3.4	-0.00069	mg/L	0.001375	-0.00069	mg/L	0.001375	200.03%
Arsenic,7440-38-2†	-3.8	-0.00168	mg/L	0.001000	-0.00168	mg/L	0.001000	59.57%

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Barium,7440-39-3†	27.4	0.00009 mg/L	0.000024	0.00009 mg/L	0.000024	26.31%
Beryllium,7440-41-7†	224.8	0.00004 mg/L	0.000017	0.00004 mg/L	0.000017	45.39%
Boron,7440-42-8†	-1706.9	-0.02119 mg/L	0.000367	-0.02119 mg/L	0.000367	1.73%
Cadmium,7440-43-9†	-4.7	-0.00001 mg/L	0.000003	-0.00001 mg/L	0.000003	23.46%
Calcium,7440-70-2†	41.5	0.00309 mg/L	0.001610	0.00309 mg/L	0.001610	52.20%
Chromium,7440-47-3†	-19.3	-0.00008 mg/L	0.000084	-0.00008 mg/L	0.000084	110.00%
Cobalt,7440-48-4†	2.7	0.00003 mg/L	0.000206	0.00003 mg/L	0.000206	599.29%
Copper,7440-50-8†	-794.2	-0.00172 mg/L	0.000062	-0.00172 mg/L	0.000062	3.60%
Iron,7439-89-6†	-50.7	-0.00276 mg/L	0.000742	-0.00276 mg/L	0.000742	26.87%
Lead,7439-92-1†	-36.2	-0.00253 mg/L	0.000553	-0.00253 mg/L	0.000553	21.90%
Lithium,7439-93-2†	-87.9	-0.00091 mg/L	0.000781	-0.00091 mg/L	0.000781	85.68%
Magnesium,7439-95-4†	3.0	0.00094 mg/L	0.005375	0.00094 mg/L	0.005375	573.98%
Manganese, 7439-96-5†	-148.7	-0.00014 mg/L	0.000009	-0.00014 mg/L	0.000009	6.64%
Molybdenum,7439-98-7†	13.2	0.00058 mg/L	0.000115	0.00058 mg/L	0.000115	19.86%
Nickel,7440-02-0†	-9.5	-0.00012 mg/L	0.000189	-0.00012 mg/L	0.000189	162.31%
Potassium,7440-09-7†	413.9	0.10123 mg/L	0.015211	0.10123 mg/L	0.015211	15.03%
Selenium,7782-49-2†	-3.3	-0.00154 mg/L	0.002640	-0.00154 mg/L	0.002640	171.15%
Silicon,7440-21-3†	-26.8	-0.00407 mg/L	0.000736	-0.00407 mg/L	0.000736	18.10%
Silver,7440-22-4†	97.0	0.00023 mg/L	0.000091	0.00023 mg/L	0.000091	39.02%
Sodium,7440-23-5†	6380.7	0.69365 mg/L	0.018181	0.69365 mg/L	0.018181	2.62%
Strontium,7440-24-6†	37.2	0.00003 mg/L	0.000031	0.00003 mg/L	0.000031	92.20%
Thallium,7440-28-0†	-3.3	-0.00049 mg/L	0.000342	-0.00049 mg/L	0.000342	70.04%
Tin,7440-31-5†	-2.8	-0.00023 mg/L	0.000353	-0.00023 mg/L	0.000353	156.03%
Titanium,7440-32-6†	53.0	0.00007 mg/L	0.000038	0.00007 mg/L	0.000038	56.59%
Vanadium,7440-62-2†	-143.6	-0.00067 mg/L	0.000040	-0.00067 mg/L	0.000040	5.89%
Zinc,7440-66-6†	-130.0	-0.00077 mg/L	0.000056	-0.00077 mg/L	0.000056	7.30%
Zirconium,7440-67-7†	-165.6	-0.00020 mg/L	0.000088	-0.00020 mg/L	0.000088	43.30%

Sequence No.: 58
Sample ID: ---

Autosampler Location: 55
Date Collected: 7/14/2008 6:39:25 PM
Data Type: Reprocessed on 7/15/2008 9:00:01 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	111410.5	98.6639	%	0.16529				0.17%
Ar 420.067 R	3321686.8	97.9963	%	0.43858				0.45%
Scandium-IS	4652691.2	100.059	%	0.1894				0.19%
Yttrium,7440-65-5A	2277434.2	100.333	%	0.1853				0.18%
Yttrium,7440-65-5R	340254.3	99.1565	%	2.06222				2.08%
Aluminum,7429-90-5†	-26.5	-0.01310	mg/L	0.000643	-0.01310	mg/L	0.000643	4.91%
Antimony,7440-36-0†	-2.6	-0.00051	mg/L	0.002247	-0.00051	mg/L	0.002247	442.03%
Arsenic,7440-38-2†	-0.6	-0.00028	mg/L	0.002662	-0.00028	mg/L	0.002662	944.69%
Barium,7440-39-3†	2.5	0.00001	mg/L	0.000004	0.00001	mg/L	0.000004	43.19%
Beryllium,7440-41-7†	309.7	0.00005	mg/L	0.000019	0.00005	mg/L	0.000019	37.81%
Boron,7440-42-8†	-1788.5	-0.02220	mg/L	0.000109	-0.02220	mg/L	0.000109	0.49%
Cadmium,7440-43-9†	-9.8	-0.00003	mg/L	0.000029	-0.00003	mg/L	0.000029	94.27%
Calcium,7440-70-2†	107.3	0.00798	mg/L	0.002333	0.00798	mg/L	0.002333	29.23%
Chromium,7440-47-3†	-8.9	-0.00004	mg/L	0.000037	-0.00004	mg/L	0.000037	105.22%
Cobalt,7440-48-4†	13.8	0.00017	mg/L	0.000105	0.00017	mg/L	0.000105	61.51%
Copper,7440-50-8†	-883.0	-0.00191	mg/L	0.000055	-0.00191	mg/L	0.000055	2.87%
Iron,7439-89-6†	-39.2	-0.00214	mg/L	0.000612	-0.00214	mg/L	0.000612	28.63%
Lead,7439-92-1†	-28.8	-0.00201	mg/L	0.000383	-0.00201	mg/L	0.000383	19.08%
Lithium,7439-93-2†	-116.3	-0.00121	mg/L	0.000566	-0.00121	mg/L	0.000566	46.90%
Magnesium,7439-95-4†	13.5	0.00423	mg/L	0.003577	0.00423	mg/L	0.003577	84.65%
Manganese, 7439-96-5†	-144.3	-0.00013	mg/L	0.000041	-0.00013	mg/L	0.000041	30.76%
Molybdenum,7439-98-7†	19.5	0.00086	mg/L	0.000757	0.00086	mg/L	0.000757	88.27%
Nickel,7440-02-0†	-12.8	-0.00016	mg/L	0.000339	-0.00016	mg/L	0.000339	215.58%
Potassium,7440-09-7†	454.9	0.11128	mg/L	0.014587	0.11128	mg/L	0.014587	13.11%
Selenium,7782-49-2†	-6.8	-0.00315	mg/L	0.001164	-0.00315	mg/L	0.001164	36.92%
Silicon,7440-21-3†	-9.4	-0.00143	mg/L	0.001887	-0.00143	mg/L	0.001887	131.81%
Silver,7440-22-4†	107.0	0.00026	mg/L	0.000020	0.00026	mg/L	0.000020	7.71%
Sodium,7440-23-5†	6460.5	0.70232	mg/L	0.003263	0.70232	mg/L	0.003263	0.46%
Strontium,7440-24-6†	67.4	0.00006	mg/L	0.000036	0.00006	mg/L	0.000036	59.27%
Thallium,7440-28-0†	-0.7	-0.00012	mg/L	0.000660	-0.00012	mg/L	0.000660	548.86%
Tin,7440-31-5†	-10.9	-0.00088	mg/L	0.000199	-0.00088	mg/L	0.000199	22.73%
Titanium,7440-32-6†	-0.3	0.00000	mg/L	0.000087	0.00000	mg/L	0.000087	>999.9%

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Vanadium,7440-62-2†	-234.4	-0.00110	mg/L	0.000103	-0.00110	mg/L	0.000103	9.38%
Zinc,7440-66-6†	-150.0	-0.00089	mg/L	0.000029	-0.00089	mg/L	0.000029	3.25%
Zirconium,7440-67-7†	-217.0	-0.00027	mg/L	0.000103	-0.00027	mg/L	0.000103	38.68%

Sequence No.: 59
Sample ID: ---

Autosampler Location: 56
Date Collected: 7/14/2008 6:46:07 PM
Data Type: Reprocessed on 7/15/2008 9:00:03 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	111689.9	98.9113	%	0.10211				0.10%
Ar 420.067 R	3311653.3	97.7003	%	0.27659				0.28%
Scandium-IS	4681787.5	100.685	%	1.5018				1.49%
Yttrium,7440-65-5A	2290573.0	100.912	%	1.4369				1.42%
Yttrium,7440-65-5R	337880.1	98.4646	%	2.74244				2.79%
Aluminum,7429-90-5†	-21.2	-0.01050	mg/L	0.007177	-0.01050	mg/L	0.007177	68.34%
Antimony,7440-36-0†	-14.1	-0.00281	mg/L	0.001047	-0.00281	mg/L	0.001047	37.32%
Arsenic,7440-38-2†	-6.3	-0.00281	mg/L	0.001738	-0.00281	mg/L	0.001738	61.90%
Barium,7440-39-3†	0.3	0.00000	mg/L	0.000012	0.00000	mg/L	0.000012	557.25%
Beryllium,7440-41-7†	607.4	0.00010	mg/L	0.000023	0.00010	mg/L	0.000023	23.95%
Boron,7440-42-8†	-1884.1	-0.02339	mg/L	0.000135	-0.02339	mg/L	0.000135	0.58%
Cadmium,7440-43-9†	-10.0	-0.00003	mg/L	0.000036	-0.00003	mg/L	0.000036	113.51%
Calcium,7440-70-2†	-33.9	-0.00252	mg/L	0.001238	-0.00252	mg/L	0.001238	49.18%
Chromium,7440-47-3†	2.2	0.00001	mg/L	0.000075	0.00001	mg/L	0.000075	921.54%
Cobalt,7440-48-4†	10.8	0.00013	mg/L	0.000146	0.00013	mg/L	0.000146	109.41%
Copper,7440-50-8†	-879.7	-0.00190	mg/L	0.000233	-0.00190	mg/L	0.000233	12.24%
Iron,7439-89-6†	-33.8	-0.00184	mg/L	0.000625	-0.00184	mg/L	0.000625	33.89%
Lead,7439-92-1†	-22.0	-0.00153	mg/L	0.000315	-0.00153	mg/L	0.000315	20.63%
Lithium,7439-93-2†	-70.9	-0.00074	mg/L	0.000637	-0.00074	mg/L	0.000637	86.67%
Magnesium,7439-95-4†	7.1	0.00221	mg/L	0.004976	0.00221	mg/L	0.004976	225.68%
Manganese, 7439-96-5†	-154.8	-0.00014	mg/L	0.000010	-0.00014	mg/L	0.000010	6.73%
Molybdenum,7439-98-7†	11.0	0.00048	mg/L	0.000195	0.00048	mg/L	0.000195	40.37%
Nickel,7440-02-0†	-56.6	-0.00070	mg/L	0.000063	-0.00070	mg/L	0.000063	8.98%
Potassium,7440-09-7†	509.6	0.12466	mg/L	0.008034	0.12466	mg/L	0.008034	6.45%
Selenium,7782-49-2†	-4.2	-0.00196	mg/L	0.000482	-0.00196	mg/L	0.000482	24.58%
Silicon,7440-21-3†	-21.9	-0.00333	mg/L	0.001624	-0.00333	mg/L	0.001624	48.78%
Silver,7440-22-4†	122.1	0.00029	mg/L	0.000208	0.00029	mg/L	0.000208	71.39%
Sodium,7440-23-5†	6583.2	0.71566	mg/L	0.011433	0.71566	mg/L	0.011433	1.60%
Strontium,7440-24-6†	14.8	0.00001	mg/L	0.000021	0.00001	mg/L	0.000021	150.45%
Thallium,7440-28-0†	-1.5	-0.00024	mg/L	0.000732	-0.00024	mg/L	0.000732	306.52%
Tin,7440-31-5†	-2.3	-0.00019	mg/L	0.000175	-0.00019	mg/L	0.000175	92.33%
Titanium,7440-32-6†	94.8	0.00012	mg/L	0.000044	0.00012	mg/L	0.000044	36.51%
Vanadium,7440-62-2†	-294.9	-0.00139	mg/L	0.000464	-0.00139	mg/L	0.000464	33.47%
Zinc,7440-66-6†	-142.6	-0.00084	mg/L	0.000065	-0.00084	mg/L	0.000065	7.75%
Zirconium,7440-67-7†	-171.4	-0.00021	mg/L	0.000102	-0.00021	mg/L	0.000102	48.73%

Sequence No.: 60
Sample ID: 1800

Autosampler Location: 7
Date Collected: 7/14/2008 6:53:04 PM
Data Type: Reprocessed on 7/15/2008 9:00:04 AM

Logged In Analyst (Original) : met

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	110874.6	98.1893	%	0.12754				0.13%
Ar 420.067 R	3308298.7	97.6013	%	0.05869				0.06%
Scandium-IS	4614333.9	99.2342	%	1.61906				1.63%
Yttrium,7440-65-5A	2215558.8	97.6068	%	1.55502				1.59%
Yttrium,7440-65-5R	338032.3	98.5089	%	0.66954				0.68%
Aluminum,7429-90-5†	10301.3	5.09009	mg/L	0.114362	5.09009	mg/L	0.114362	2.25%
QC value within limits for Aluminum,7429-90-5				Recovery = 101.80%				
Antimony,7440-36-0†	2398.1	0.47394	mg/L	0.010014	0.47394	mg/L	0.010014	2.11%
QC value within limits for Antimony,7440-36-0				Recovery = 94.79%				
Arsenic,7440-38-2†	1038.8	0.46676	mg/L	0.007135	0.46676	mg/L	0.007135	1.53%

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QC value within limits for Arsenic,7440-38-2 Recovery = 93.35%
Barium,7440-39-3† 147520.7 0.49033 mg/L 0.005908 0.49033 mg/L 0.005908 1.20%
QC value within limits for Barium,7440-39-3 Recovery = 98.07%
Beryllium,7440-41-7† 3015227.6 0.48293 mg/L 0.007577 0.48293 mg/L 0.007577 1.57%
QC value within limits for Beryllium,7440-41-7 Recovery = 96.59%
Boron,7440-42-8† 191653.9 2.38137 mg/L 0.027855 2.38137 mg/L 0.027855 1.17%
QC value within limits for Boron,7440-42-8 Recovery = 95.25%
Cadmium,7440-43-9† 147397.4 0.47775 mg/L 0.004896 0.47775 mg/L 0.004896 1.02%
QC value within limits for Cadmium,7440-43-9 Recovery = 95.55%
Calcium,7440-70-2† 67461.5 5.01236 mg/L 0.125042 5.01236 mg/L 0.125042 2.49%
QC value within limits for Calcium,7440-70-2 Recovery = 100.25%
Chromium,7440-47-3† 123549.2 0.48972 mg/L 0.006340 0.48972 mg/L 0.006340 1.29%
QC value within limits for Chromium,7440-47-3 Recovery = 97.94%
Cobalt,7440-48-4† 39828.4 0.48424 mg/L 0.006102 0.48424 mg/L 0.006102 1.26%
QC value within limits for Cobalt,7440-48-4 Recovery = 96.85%
Copper,7440-50-8† 224790.5 0.48640 mg/L 0.006200 0.48640 mg/L 0.006200 1.27%
QC value within limits for Copper,7440-50-8 Recovery = 97.28%
Iron,7439-89-6† 91203.4 4.96927 mg/L 0.127781 4.96927 mg/L 0.127781 2.57%
QC value within limits for Iron,7439-89-6 Recovery = 99.39%
Lead,7439-92-1† 6868.7 0.47718 mg/L 0.009099 0.47718 mg/L 0.009099 1.91%
QC value within limits for Lead,7439-92-1 Recovery = 95.44%
Lithium,7439-93-2† 47721.6 0.49501 mg/L 0.005047 0.49501 mg/L 0.005047 1.02%
QC value within limits for Lithium,7439-93-2 Recovery = 99.00%
Magnesium,7439-95-4† 15889.5 4.96690 mg/L 0.120591 4.96690 mg/L 0.120591 2.43%
QC value within limits for Magnesium,7439-95-4 Recovery = 99.34%
Manganese, 7439-96-5† 535312.6 0.49322 mg/L 0.005858 0.49322 mg/L 0.005858 1.19%
QC value within limits for Manganese, 7439-96-5 Recovery = 98.64%
Molybdenum,7439-98-7† 11046.2 0.48500 mg/L 0.007898 0.48500 mg/L 0.007898 1.63%
QC value within limits for Molybdenum,7439-98-7 Recovery = 97.00%
Nickel,7440-02-0† 39398.8 0.48537 mg/L 0.007235 0.48537 mg/L 0.007235 1.49%
QC value within limits for Nickel,7440-02-0 Recovery = 97.07%
Potassium,7440-09-7† 41575.5 10.1671 mg/L 0.20793 10.1671 mg/L 0.20793 2.05%
QC value within limits for Potassium,7440-09-7 Recovery = 101.67%
Selenium,7782-49-2† 1056.0 0.48889 mg/L 0.009964 0.48889 mg/L 0.009964 2.04%
QC value within limits for Selenium,7782-49-2 Recovery = 97.78%
Silicon,7440-21-3† 32853.7 4.98087 mg/L 0.118149 4.98087 mg/L 0.118149 2.37%
QC value within limits for Silicon,7440-21-3 Recovery = 99.62%
Silver,7440-22-4† 204731.0 0.49116 mg/L 0.005401 0.49116 mg/L 0.005401 1.10%
QC value within limits for Silver,7440-22-4 Recovery = 98.23%
Sodium,7440-23-5† 192880.1 20.9585 mg/L 0.18734 20.9585 mg/L 0.18734 0.89%
QC value within limits for Sodium,7440-23-5 Recovery = 104.79%
Strontium,7440-24-6† 555357.5 0.50669 mg/L 0.004910 0.50669 mg/L 0.004910 0.97%
QC value within limits for Strontium,7440-24-6 Recovery = 101.34%
Thallium,7440-28-0† 3337.6 0.49905 mg/L 0.008854 0.49905 mg/L 0.008854 1.77%
QC value within limits for Thallium,7440-28-0 Recovery = 99.81%
Tin,7440-31-5† 5961.8 0.48084 mg/L 0.009218 0.48084 mg/L 0.009218 1.92%
QC value within limits for Tin,7440-31-5 Recovery = 96.17%
Titanium,7440-32-6† 394502.8 0.49820 mg/L 0.008368 0.49820 mg/L 0.008368 1.68%
QC value within limits for Titanium,7440-32-6 Recovery = 99.64%
Vanadium,7440-62-2† 104281.2 0.49262 mg/L 0.006304 0.49262 mg/L 0.006304 1.28%
QC value within limits for Vanadium,7440-62-2 Recovery = 98.52%
Zinc,7440-66-6† 81306.7 0.47911 mg/L 0.005552 0.47911 mg/L 0.005552 1.16%
QC value within limits for Zinc,7440-66-6 Recovery = 95.82%
Zirconium,7440-67-7† 405881.8 0.49612 mg/L 0.007036 0.49612 mg/L 0.007036 1.42%
QC value within limits for Zirconium,7440-67-7 Recovery = 99.22%
All analyte(s) passed QC.

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Sequence No.: 61 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 7/14/2008 6:59:08 PM**
Data Type: Reprocessed on 7/15/2008 9:00:06 AM

Logged In Analyst (Original) : met

Mean Data: 1900

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Ar 363.268 A	111645.2	98.8718	%	0.21895				0.22%
Ar 420.067 R	3317078.9	97.8604	%	0.07246				0.07%
Scandium-IS	4677729.5	100.598	%	2.1694				2.16%
Yttrium,7440-65-5A	2289341.6	100.857	%	2.0255				2.01%

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Yttrium,7440-65-5R	341402.1	99.4910 %		1.99495			2.01%
Aluminum,7429-90-5†	-15.4	-0.00764 mg/L		0.001548	-0.00764 mg/L	0.001548	20.26%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated							
Antimony,7440-36-0†	-8.3	-0.00165 mg/L		0.001569	-0.00165 mg/L	0.001569	94.94%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated							
Arsenic,7440-38-2†	-2.5	-0.00113 mg/L		0.001159	-0.00113 mg/L	0.001159	102.84%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated							
Barium,7440-39-3†	1.0	0.00000 mg/L		0.000069	0.00000 mg/L	0.000069	>999.9%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated							
Beryllium,7440-41-7†	856.6	0.00014 mg/L		0.000032	0.00014 mg/L	0.000032	23.27%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated							
Boron,7440-42-8†	-592.2	-0.00735 mg/L		0.001388	-0.00735 mg/L	0.001388	18.88%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated							
Cadmium,7440-43-9†	19.6	0.00006 mg/L		0.000015	0.00006 mg/L	0.000015	22.82%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated							
Calcium,7440-70-2†	45.5	0.00339 mg/L		0.002219	0.00339 mg/L	0.002219	65.54%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated							
Chromium,7440-47-3†	-19.8	-0.00008 mg/L		0.000103	-0.00008 mg/L	0.000103	129.22%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated							
Cobalt,7440-48-4†	28.3	0.00035 mg/L		0.000179	0.00035 mg/L	0.000179	51.74%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated							
Copper,7440-50-8†	-635.1	-0.00137 mg/L		0.000192	-0.00137 mg/L	0.000192	14.00%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated							
Iron,7439-89-6†	-10.4	-0.00057 mg/L		0.001189	-0.00057 mg/L	0.001189	209.37%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated							
Lead,7439-92-1†	-21.3	-0.00148 mg/L		0.001072	-0.00148 mg/L	0.001072	72.35%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated							
Lithium,7439-93-2†	-91.4	-0.00095 mg/L		0.000062	-0.00095 mg/L	0.000062	6.55%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated							
Magnesium,7439-95-4†	0.8	0.00027 mg/L		0.003341	0.00027 mg/L	0.003341	>999.9%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated							
Manganese, 7439-96-5†	-99.6	-0.00009 mg/L		0.000011	-0.00009 mg/L	0.000011	11.50%
QC value within limits for Manganese, 7439-96-5 Recovery = Not calculated							
Molybdenum,7439-98-7†	36.4	0.00160 mg/L		0.000224	0.00160 mg/L	0.000224	14.03%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated							
Nickel,7440-02-0†	-28.9	-0.00036 mg/L		0.000233	-0.00036 mg/L	0.000233	65.41%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated							
Potassium,7440-09-7†	400.1	0.09786 mg/L		0.012428	0.09786 mg/L	0.012428	12.70%
QC value greater than the upper limit for Potassium,7440-09-7 Recovery = Not calculated							
Selenium,7782-49-2†	0.3	0.00012 mg/L		0.001342	0.00012 mg/L	0.001342	>999.9%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated							
Silicon,7440-21-3†	16.2	0.00246 mg/L		0.002090	0.00246 mg/L	0.002090	85.12%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated							
Silver,7440-22-4†	183.1	0.00044 mg/L		0.000090	0.00044 mg/L	0.000090	20.54%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated							
Sodium,7440-23-5†	6216.6	0.67580 mg/L		0.011584	0.67580 mg/L	0.011584	1.71%
QC value greater than the upper limit for Sodium,7440-23-5 Recovery = Not calculated							
Strontium,7440-24-6†	7.9	0.00001 mg/L		0.000094	0.00001 mg/L	0.000094	>999.9%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated							
Thallium,7440-28-0†	5.3	0.00076 mg/L		0.001359	0.00076 mg/L	0.001359	178.40%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated							
Tin,7440-31-5†	-14.4	-0.00116 mg/L		0.000841	-0.00116 mg/L	0.000841	72.81%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated							
Titanium,7440-32-6†	267.2	0.00034 mg/L		0.000160	0.00034 mg/L	0.000160	47.43%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated							
Vanadium,7440-62-2†	-271.1	-0.00127 mg/L		0.000652	-0.00127 mg/L	0.000652	51.26%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated							
Zinc,7440-66-6†	-34.5	-0.00020 mg/L		0.000063	-0.00020 mg/L	0.000063	31.35%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated							
Zirconium,7440-67-7†	67.0	0.00008 mg/L		0.000111	0.00008 mg/L	0.000111	134.68%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated							

QC Failed. Continue with analysis.

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Sequence No.: 62
Sample ID: 624290

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 57
Date Collected: 7/14/2008 7:14:26 PM
Data Type: Reprocessed on 7/15/2008 9:00:08 AM

Sample Prep Vol: 50 mL

Mean Data: 624290

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	114428.0	101.336	%	0.0625				0.06%
Ar 420.067 R	3414209.9	100.726	%	0.6587				0.65%
Scandium-IS	4734773.1	101.824	%	0.8230				0.81%
Yttrium,7440-65-5A	2287525.4	100.777	%	0.8243				0.82%
Yttrium,7440-65-5R	338826.2	98.7403	%	1.00638				1.02%
Aluminum,7429-90-5†	66.6	0.03286	mg/L	0.005180	1.31429	mg/kg	0.207181	15.76%
Antimony,7440-36-0†	3.7	0.00073	mg/L	0.002235	0.02917	mg/kg	0.089412	306.52%
Arsenic,7440-38-2†	-7.2	-0.00323	mg/L	0.001113	-0.12903	mg/kg	0.044522	34.51%
Barium,7440-39-3†	53.4	0.00018	mg/L	0.000006	0.00703	mg/kg	0.000222	3.15%
Beryllium,7440-41-7†	888.8	0.00014	mg/L	0.000014	0.00568	mg/kg	0.000548	9.65%
Boron,7440-42-8†	-1063.9	-0.01319	mg/L	0.000585	-0.52748	mg/kg	0.023388	4.43%
Cadmium,7440-43-9†	-14.9	-0.00005	mg/L	0.000033	-0.00191	mg/kg	0.001313	68.76%
Calcium,7440-70-2†	9419.6	0.70025	mg/L	0.013968	28.0098	mg/kg	0.55870	1.99%
Chromium,7440-47-3†	57.1	0.00022	mg/L	0.000194	0.00897	mg/kg	0.007770	86.64%
Cobalt,7440-48-4†	-4.4	-0.00006	mg/L	0.000085	-0.00225	mg/kg	0.003408	151.24%
Copper,7440-50-8†	-724.3	-0.00157	mg/L	0.000046	-0.06273	mg/kg	0.001829	2.92%
Iron,7439-89-6†	465.2	0.02535	mg/L	0.000681	1.01395	mg/kg	0.027232	2.69%
Lead,7439-92-1†	-18.3	-0.00127	mg/L	0.000711	-0.05066	mg/kg	0.028432	56.12%
Lithium,7439-93-2†	-144.1	-0.00149	mg/L	0.000386	-0.05978	mg/kg	0.015443	25.84%
Magnesium,7439-95-4†	29.9	0.00933	mg/L	0.003274	0.37311	mg/kg	0.130959	35.10%
Manganese, 7439-96-5†	785.1	0.00072	mg/L	0.000036	0.02891	mg/kg	0.001447	5.01%
Molybdenum,7439-98-7†	23.7	0.00105	mg/L	0.000252	0.04183	mg/kg	0.010061	24.05%
Nickel,7440-02-0†	-17.7	-0.00022	mg/L	0.000167	-0.00880	mg/kg	0.006677	75.87%
Potassium,7440-09-7†	596.4	0.14589	mg/L	0.014826	5.83554	mg/kg	0.593030	10.16%
Selenium,7782-49-2†	-5.3	-0.00243	mg/L	0.001259	-0.09733	mg/kg	0.050366	51.74%
Silicon,7440-21-3†	124.8	0.01892	mg/L	0.001221	0.75691	mg/kg	0.048839	6.45%
Silver,7440-22-4†	35.7	0.00008	mg/L	0.000241	0.00332	mg/kg	0.009640	290.78%
Sodium,7440-23-5†	6136.2	0.66699	mg/L	0.000685	26.6794	mg/kg	0.02738	0.10%
Strontium,7440-24-6†	420.7	0.00037	mg/L	0.000067	0.01464	mg/kg	0.002666	18.21%
Thallium,7440-28-0†	-15.1	-0.00225	mg/L	0.001261	-0.08983	mg/kg	0.050435	56.14%
Tin,7440-31-5†	124.9	0.01002	mg/L	0.000225	0.40095	mg/kg	0.008989	2.24%
Titanium,7440-32-6†	1261.6	0.00159	mg/L	0.000072	0.06378	mg/kg	0.002864	4.49%
Vanadium,7440-62-2†	-332.2	-0.00156	mg/L	0.000608	-0.06257	mg/kg	0.024305	38.85%
Zinc,7440-66-6†	5812.7	0.03454	mg/L	0.000681	1.38177	mg/kg	0.027244	1.97%
Zirconium,7440-67-7†	118.4	0.00014	mg/L	0.000061	0.00564	mg/kg	0.002421	42.92%

Sequence No.: 63
Sample ID: 624291

Autosampler Location: 58
Date Collected: 7/14/2008 7:21:23 PM
Data Type: Reprocessed on 7/15/2008 9:00:10 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Sample Prep Vol: 50 mL

Mean Data: 624291

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	113676.6	100.671	%	0.3551				0.35%
Ar 420.067 R	3408990.7	100.572	%	0.0697				0.07%
Scandium-IS	4657924.5	100.172	%	0.2396				0.24%
Yttrium,7440-65-5A	2230240.4	98.2536	%	0.17435				0.18%
Yttrium,7440-65-5R	336881.3	98.1735	%	1.64682				1.68%
Aluminum,7429-90-5†	10131.5	5.00625	mg/L	0.106662	200.250	mg/kg	4.2665	2.13%
Antimony,7440-36-0†	2359.2	0.46618	mg/L	0.002323	18.6474	mg/kg	0.09294	0.50%
Arsenic,7440-38-2†	1013.9	0.45565	mg/L	0.002102	18.2261	mg/kg	0.08410	0.46%
Barium,7440-39-3†	146223.1	0.48601	mg/L	0.006725	19.4404	mg/kg	0.26902	1.38%
Beryllium,7440-41-7†	2880351.6	0.46131	mg/L	0.002201	18.4522	mg/kg	0.08805	0.48%
Boron,7440-42-8†	179251.7	2.22746	mg/L	0.033623	89.0985	mg/kg	1.34493	1.51%
Cadmium,7440-43-9†	145841.9	0.47271	mg/L	0.007176	18.9082	mg/kg	0.28705	1.52%
Calcium,7440-70-2†	77488.6	5.75778	mg/L	0.120333	230.311	mg/kg	4.8133	2.09%
Chromium,7440-47-3†	123495.8	0.48951	mg/L	0.006721	19.5805	mg/kg	0.26884	1.37%
Cobalt,7440-48-4†	39774.5	0.48359	mg/L	0.007031	19.3436	mg/kg	0.28125	1.45%
Copper,7440-50-8†	222625.9	0.48171	mg/L	0.007300	19.2683	mg/kg	0.29202	1.52%
Iron,7439-89-6†	90080.8	4.90811	mg/L	0.104423	196.324	mg/kg	4.1769	2.13%
Lead,7439-92-1†	6820.1	0.47381	mg/L	0.002104	18.9525	mg/kg	0.08415	0.44%
Lithium,7439-93-2†	46127.9	0.47848	mg/L	0.002466	19.1393	mg/kg	0.09862	0.52%

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Magnesium,7439-95-4†	15683.0	4.90237 mg/L	0.088056	196.095 mg/kg	3.5222	1.80%
Manganese, 7439-96-5†	532553.3	0.49068 mg/L	0.006948	19.6270 mg/kg	0.27790	1.42%
Molybdenum,7439-98-7†	11025.7	0.48410 mg/L	0.001738	19.3639 mg/kg	0.06950	0.36%
Nickel,7440-02-0†	39296.7	0.48412 mg/L	0.006832	19.3648 mg/kg	0.27330	1.41%
Potassium,7440-09-7†	40684.8	9.94927 mg/L	0.207911	397.971 mg/kg	8.3165	2.09%
Selenium,7782-49-2†	1023.1	0.47369 mg/L	0.003461	18.9476 mg/kg	0.13846	0.73%
Silicon,7440-21-3†	17397.3	2.63666 mg/L	0.057063	105.467 mg/kg	2.2825	2.16%
Silver,7440-22-4†	197353.8	0.47347 mg/L	0.005810	18.9388 mg/kg	0.23240	1.23%
Sodium,7440-23-5†	188372.3	20.4686 mg/L	0.11781	818.742 mg/kg	4.7125	0.58%
Strontium,7440-24-6†	542879.6	0.49528 mg/L	0.002864	19.8112 mg/kg	0.11455	0.58%
Thallium,7440-28-0†	3274.2	0.48971 mg/L	0.003677	19.5886 mg/kg	0.14709	0.75%
Tin,7440-31-5†	6127.7	0.49407 mg/L	0.001708	19.7630 mg/kg	0.06834	0.35%
Titanium,7440-32-6†	395048.9	0.49889 mg/L	0.003423	19.9558 mg/kg	0.13691	0.69%
Vanadium,7440-62-2†	104219.9	0.49233 mg/L	0.007627	19.6931 mg/kg	0.30510	1.55%
Zinc,7440-66-6†	86434.8	0.50960 mg/L	0.007820	20.3841 mg/kg	0.31281	1.53%
Zirconium,7440-67-7†	1081.9	0.00059 mg/L	0.000378	0.02357 mg/kg	0.015133	64.20%

Sequence No.: 64
Sample ID: 20807104702

Autosampler Location: 59
Date Collected: 7/14/2008 7:27:28 PM
Data Type: Reprocessed on 7/15/2008 9:00:12 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Sample Prep Vol: 50 mL

Mean Data: 20807104702

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	92593.9	82.0002	%	0.08744				0.11%
Ar 420.067 R	3049725.0	89.9729	%	0.04648				0.05%
Scandium-IS	4274093.8	91.9171	%	0.61104				0.66%
Yttrium,7440-65-5A	2214786.3	97.5728	%	0.56762				0.58%
Yttrium,7440-65-5R	352804.3	102.814	%	1.2959				1.26%
Aluminum,7429-90-5†	494715.3	244.294	mg/L	0.0701	9771.78	mg/kg	2.805	0.03%
Antimony,7440-36-0†	104.1	0.02231	mg/L	0.003278	0.89240	mg/kg	0.131132	14.69%
Arsenic,7440-38-2†	165.0	0.01259	mg/L	0.008289	0.50365	mg/kg	0.331579	65.83%
Barium,7440-39-3†	2599875.2	8.64573	mg/L	0.015898	345.829	mg/kg	0.6359	0.18%
Beryllium,7440-41-7†	103388.6	0.01649	mg/L	0.000023	0.65944	mg/kg	0.000927	0.14%
Boron,7440-42-8†	-551.3	-0.02374	mg/L	0.001604	-0.94950	mg/kg	0.064144	6.76%
Cadmium,7440-43-9†	2557.9	-0.00567	mg/L	0.000201	-0.22670	mg/kg	0.008041	3.55%
Calcium,7440-70-2†	10157246.3	755.046	mg/L	2.4019	30201.9	mg/kg	96.08	0.32%
Chromium,7440-47-3†	78798.2	0.30629	mg/L	0.000848	12.2517	mg/kg	0.03391	0.28%
Cobalt,7440-48-4†	11263.7	0.13193	mg/L	0.001327	5.27736	mg/kg	0.053094	1.01%
Copper,7440-50-8†	198513.8	0.44557	mg/L	0.000912	17.8229	mg/kg	0.03649	0.20%
Iron,7439-89-6†	5539319.7	301.830	mg/L	0.8362	12073.2	mg/kg	33.45	0.28%
Lead,7439-92-1†	5758.8	0.37012	mg/L	0.002329	14.8046	mg/kg	0.09316	0.63%
Lithium,7439-93-2†	37232.8	0.38725	mg/L	0.001403	15.4902	mg/kg	0.05613	0.36%
Magnesium,7439-95-4†	534106.8	166.871	mg/L	0.7106	6674.86	mg/kg	28.422	0.43%
Manganese, 7439-96-5†	6271205.5	5.78188	mg/L	0.009794	231.275	mg/kg	0.3918	0.17%
Molybdenum,7439-98-7†	-164.8	0.00542	mg/L	0.002227	0.21686	mg/kg	0.089076	41.08%
Nickel,7440-02-0†	27846.5	0.32297	mg/L	0.002230	12.9188	mg/kg	0.08920	0.69%
Potassium,7440-09-7†	301867.1	73.7918	mg/L	0.10409	2951.67	mg/kg	4.164	0.14%
Selenium,7782-49-2†	-102.0	-0.00304	mg/L	0.005193	-0.12178	mg/kg	0.207715	170.56%
Silicon,7440-21-3†	168298.5	25.4756	mg/L	0.04151	1019.02	mg/kg	1.661	0.16%
Silver,7440-22-4†	-2197.7	0.00044	mg/L	0.000307	0.01778	mg/kg	0.012293	69.14%
Sodium,7440-23-5†	401165.4	42.9826	mg/L	0.07563	1719.30	mg/kg	3.025	0.18%
Strontium,7440-24-6†	1777071.1	1.61561	mg/L	0.003203	64.6243	mg/kg	0.12811	0.20%
Thallium,7440-28-0†	-231.4	-0.01143	mg/L	0.001568	-0.45711	mg/kg	0.062722	13.72%
Tin,7440-31-5†	-2074.9	0.08312	mg/L	0.002226	3.32463	mg/kg	0.089020	2.68%
Titanium,7440-32-6†	377650.8	0.47659	mg/L	0.001874	19.0637	mg/kg	0.07497	0.39%
Vanadium,7440-62-2†	96726.8	0.38957	mg/L	0.000698	15.5828	mg/kg	0.02792	0.18%
Zinc,7440-66-6†	652103.1	3.83664	mg/L	0.009478	153.466	mg/kg	0.3791	0.25%
Zirconium,7440-67-7†	174868.2	0.20024	mg/L	0.000869	8.00965	mg/kg	0.034745	0.43%

Sequence No.: 65
Sample ID: 20807104704

Autosampler Location: 60
Date Collected: 7/14/2008 7:32:59 PM
Data Type: Reprocessed on 7/15/2008 9:00:14 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g

171682

Dilution: 1X Sample Prep Vol: 50 mL

Mean Data: 20807104704

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	91561.4	81.0858	%	0.44773				0.55%
Ar 420.067 R	3017127.2	89.0112	%	0.07774				0.09%
Scandium-IS	4309666.5	92.6821	%	0.64097				0.69%
Yttrium,7440-65-5A	2208948.0	97.3156	%	0.67049				0.69%
Yttrium,7440-65-5R	348620.6	101.595	%	1.1066				1.09%
Aluminum,7429-90-5†	737575.8	364.226	mg/L	0.4085	14569.0	mg/kg	16.34	0.11%
Antimony,7440-36-0†	588.0	0.11454	mg/L	0.011763	4.58157	mg/kg	0.470503	10.27%
Arsenic,7440-38-2†	1121.8	0.44043	mg/L	0.009011	17.6171	mg/kg	0.36043	2.05%
Barium,7440-39-3†	2391845.2	7.95393	mg/L	0.016766	318.157	mg/kg	0.6706	0.21%
Beryllium,7440-41-7†	2770596.1	0.44372	mg/L	0.000803	17.7488	mg/kg	0.03213	0.18%
Boron,7440-42-8†	126062.2	1.53956	mg/L	0.005140	61.5823	mg/kg	0.20561	0.33%
Cadmium,7440-43-9†	129927.0	0.40474	mg/L	0.001972	16.1894	mg/kg	0.07887	0.49%
Calcium,7440-70-2†	9409103.0	699.421	mg/L	20.9679	27976.8	mg/kg	838.72	3.00%
Chromium,7440-47-3†	207865.2	0.81573	mg/L	0.002510	32.6291	mg/kg	0.10041	0.31%
Cobalt,7440-48-4†	45012.6	0.54143	mg/L	0.005100	21.6571	mg/kg	0.20399	0.94%
Copper,7440-50-8†	403730.6	0.89461	mg/L	0.000294	35.7845	mg/kg	0.01174	0.03%
Iron,7439-89-6†	6666994.4	363.273	mg/L	11.2436	14530.9	mg/kg	449.74	3.10%
Lead,7439-92-1†	11225.4	0.75511	mg/L	0.007104	30.2042	mg/kg	0.28415	0.94%
Lithium,7439-93-2†	91823.3	0.95387	mg/L	0.001439	38.1547	mg/kg	0.05754	0.15%
Magnesium,7439-95-4†	601109.9	187.805	mg/L	0.5582	7512.22	mg/kg	22.327	0.30%
Manganese, 7439-96-5†	6862500.5	6.32826	mg/L	0.012442	253.130	mg/kg	0.4977	0.20%
Molybdenum,7439-98-7†	6740.1	0.31046	mg/L	0.002605	12.4184	mg/kg	0.10420	0.84%
Nickel,7440-02-0†	60959.0	0.72758	mg/L	0.007655	29.1031	mg/kg	0.30621	1.05%
Potassium,7440-09-7†	422151.7	103.197	mg/L	0.1497	4127.88	mg/kg	5.989	0.15%
Selenium,7782-49-2†	782.9	0.41291	mg/L	0.003720	16.5166	mg/kg	0.14878	0.90%
Silicon,7440-21-3†	172679.8	26.1375	mg/L	0.04099	1045.50	mg/kg	1.639	0.16%
Silver,7440-22-4†	193191.2	0.47107	mg/L	0.000191	18.8429	mg/kg	0.00764	0.04%
Sodium,7440-23-5†	543631.8	58.3471	mg/L	0.05133	2333.88	mg/kg	2.053	0.09%
Strontium,7440-24-6†	2206771.6	2.01216	mg/L	0.057755	80.4864	mg/kg	2.31022	2.87%
Thallium,7440-28-0†	2523.8	0.40978	mg/L	0.002203	16.3911	mg/kg	0.08811	0.54%
Tin,7440-31-5†	2415.0	0.48774	mg/L	0.010617	19.5097	mg/kg	0.42467	2.18%
Titanium,7440-32-6†	736030.7	0.92910	mg/L	0.000549	37.1640	mg/kg	0.02198	0.06%
Vanadium,7440-62-2†	209337.3	0.90624	mg/L	0.005129	36.2494	mg/kg	0.20514	0.57%
Zinc,7440-66-6†	738342.7	4.33905	mg/L	0.012403	173.562	mg/kg	0.4961	0.29%
Zirconium,7440-67-7†	206321.9	0.23623	mg/L	0.000652	9.44926	mg/kg	0.026083	0.28%

Sequence No.: 66
Sample ID: 20807104706

Autosampler Location: 61
Date Collected: 7/14/2008 7:38:26 PM
Data Type: Reprocessed on 7/15/2008 9:00:16 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Sample Prep Vol: 50 mL

Mean Data: 20807104706

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	90370.6	80.0313	%	0.20211				0.25%
Ar 420.067 R	3016353.6	88.9884	%	0.03292				0.04%
Scandium-IS	4244278.9	91.2759	%	0.78110				0.86%
Yttrium,7440-65-5A	2190153.9	96.4876	%	0.80099				0.83%
Yttrium,7440-65-5R	352253.1	102.653	%	0.7649				0.75%
Aluminum,7429-90-5†	748730.7	369.735	mg/L	0.8780	14789.4	mg/kg	35.12	0.24%
Antimony,7440-36-0†	632.4	0.12344	mg/L	0.005006	4.93773	mg/kg	0.200250	4.06%
Arsenic,7440-38-2†	1202.0	0.47079	mg/L	0.013001	18.8318	mg/kg	0.52003	2.76%
Barium,7440-39-3†	2636561.1	8.76772	mg/L	0.001907	350.709	mg/kg	0.0763	0.02%
Beryllium,7440-41-7†	2851864.1	0.45675	mg/L	0.000375	18.2699	mg/kg	0.01501	0.08%
Boron,7440-42-8†	127677.8	1.55883	mg/L	0.003113	62.3530	mg/kg	0.12453	0.20%
Cadmium,7440-43-9†	131998.9	0.41044	mg/L	0.007669	16.4177	mg/kg	0.30676	1.87%
Calcium,7440-70-2†	10234469.4	760.776	mg/L	8.0863	30431.0	mg/kg	323.45	1.06%
Chromium,7440-47-3†	213401.9	0.83745	mg/L	0.001189	33.4981	mg/kg	0.04758	0.14%
Cobalt,7440-48-4†	47249.3	0.56837	mg/L	0.009783	22.7348	mg/kg	0.39132	1.72%
Copper,7440-50-8†	446101.6	0.98732	mg/L	0.001145	39.4927	mg/kg	0.04579	0.12%
Iron,7439-89-6†	7034487.9	383.298	mg/L	3.9693	15331.9	mg/kg	158.77	1.04%

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Lead,7439-92-1†	12490.0	0.83908 mg/L	0.015479	33.5631 mg/kg	0.61918	1.84%
Lithium,7439-93-2†	95690.9	0.99403 mg/L	0.002286	39.7612 mg/kg	0.09146	0.23%
Magnesium,7439-95-4†	631045.5	197.160 mg/L	0.3955	7886.38 mg/kg	15.821	0.20%
Manganese, 7439-96-5†	7482644.9	6.89983 mg/L	0.003984	275.993 mg/kg	0.1594	0.06%
Molybdenum,7439-98-7†	7147.0	0.32918 mg/L	0.006232	13.1672 mg/kg	0.24928	1.89%
Nickel,7440-02-0†	65061.3	0.77675 mg/L	0.014061	31.0699 mg/kg	0.56243	1.81%
Potassium,7440-09-7†	435816.8	106.537 mg/L	0.2174	4261.48 mg/kg	8.697	0.20%
Selenium,7782-49-2†	833.6	0.43937 mg/L	0.011142	17.5750 mg/kg	0.44570	2.54%
Silicon,7440-21-3†	173528.4	26.2634 mg/L	0.01795	1050.54 mg/kg	0.718	0.07%
Silver,7440-22-4†	198979.6	0.48527 mg/L	0.000248	19.4110 mg/kg	0.00992	0.05%
Sodium,7440-23-5†	594816.8	63.8696 mg/L	0.09866	2554.79 mg/kg	3.946	0.15%
Strontium,7440-24-6†	2448638.9	2.23213 mg/L	0.022045	89.2850 mg/kg	0.88181	0.99%
Thallium,7440-28-0†	2628.3	0.42638 mg/L	0.002368	17.0552 mg/kg	0.09472	0.56%
Tin,7440-31-5†	2642.1	0.52280 mg/L	0.003279	20.9118 mg/kg	0.13118	0.63%
Titanium,7440-32-6†	732394.1	0.92446 mg/L	0.003006	36.9783 mg/kg	0.12024	0.33%
Vanadium,7440-62-2†	220323.2	0.95346 mg/L	0.000784	38.1384 mg/kg	0.03135	0.08%
Zinc,7440-66-6†	795102.4	4.67358 mg/L	0.005206	186.943 mg/kg	0.2082	0.11%
Zirconium,7440-67-7†	232023.1	0.26675 mg/L	0.000225	10.6700 mg/kg	0.00900	0.08%

Sequence No.: 67
Sample ID: 625308

Autosampler Location: 62
Date Collected: 7/14/2008 7:44:01 PM
Data Type: Reprocessed on 7/15/2008 9:00:17 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Sample Prep Vol: 50 mL

Mean Data: 625308

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	92504.6	81.9211	%	0.40006				0.49%
Ar 420.067 R	3043055.7	89.7761	%	0.10312				0.11%
Scandium-IS	4239429.4	91.1717	%	0.46636				0.51%
Yttrium,7440-65-5A	2202079.2	97.0130	%	0.48026				0.50%
Yttrium,7440-65-5R	354524.4	103.315	%	1.3642				1.32%
Aluminum,7429-90-5†	493749.1	243.820	mg/L	1.6356	9752.81	mg/kg	65.424	0.67%
Antimony,7440-36-0†	2331.7	0.46289	mg/L	0.001796	18.5156	mg/kg	0.07184	0.39%
Arsenic,7440-38-2†	1141.7	0.45180	mg/L	0.006489	18.0721	mg/kg	0.25954	1.44%
Barium,7440-39-3†	2684616.1	8.92730	mg/L	0.015693	357.092	mg/kg	0.6277	0.18%
Beryllium,7440-41-7†	2711233.2	0.43416	mg/L	0.000547	17.3665	mg/kg	0.02187	0.13%
Boron,7440-42-8†	170336.3	2.09959	mg/L	0.001985	83.9837	mg/kg	0.07940	0.09%
Cadmium,7440-43-9†	125241.6	0.39213	mg/L	0.001020	15.6853	mg/kg	0.04079	0.26%
Calcium,7440-70-2†	10082518.6	749.489	mg/L	7.2631	29979.6	mg/kg	290.52	0.97%
Chromium,7440-47-3†	183074.5	0.71975	mg/L	0.001254	28.7900	mg/kg	0.05015	0.17%
Cobalt,7440-48-4†	44477.1	0.53573	mg/L	0.001808	21.4293	mg/kg	0.07233	0.34%
Copper,7440-50-8†	406264.1	0.89499	mg/L	0.000745	35.7994	mg/kg	0.02982	0.08%
Iron,7439-89-6†	5543332.8	302.048	mg/L	3.0689	12081.9	mg/kg	122.75	1.02%
Lead,7439-92-1†	11442.7	0.76478	mg/L	0.002748	30.5913	mg/kg	0.10991	0.36%
Lithium,7439-93-2†	81971.0	0.85131	mg/L	0.003239	34.0525	mg/kg	0.12957	0.38%
Magnesium,7439-95-4†	535159.0	167.202	mg/L	0.8885	6688.09	mg/kg	35.538	0.53%
Manganese, 7439-96-5†	6631499.6	6.11378	mg/L	0.010771	244.551	mg/kg	0.4308	0.18%
Molybdenum,7439-98-7†	9387.1	0.42463	mg/L	0.000960	16.9854	mg/kg	0.03841	0.23%
Nickel,7440-02-0†	59495.2	0.71310	mg/L	0.003181	28.5239	mg/kg	0.12722	0.45%
Potassium,7440-09-7†	334045.5	81.6614	mg/L	0.52729	3266.45	mg/kg	21.092	0.65%
Selenium,7782-49-2†	906.2	0.46303	mg/L	0.004182	18.5214	mg/kg	0.16727	0.90%
Silicon,7440-21-3†	197857.0	29.9583	mg/L	0.17424	1198.33	mg/kg	6.970	0.58%
Silver,7440-22-4†	189103.1	0.45930	mg/L	0.000630	18.3719	mg/kg	0.02520	0.14%
Sodium,7440-23-5†	555181.0	59.7258	mg/L	0.35282	2389.03	mg/kg	14.113	0.59%
Strontium,7440-24-6†	2233858.1	2.03243	mg/L	0.021746	81.2971	mg/kg	0.86983	1.07%
Thallium,7440-28-0†	2634.3	0.41702	mg/L	0.003791	16.6807	mg/kg	0.15165	0.91%
Tin,7440-31-5†	2993.0	0.48856	mg/L	0.002346	19.5425	mg/kg	0.09386	0.48%
Titanium,7440-32-6†	719234.6	0.90797	mg/L	0.008201	36.3188	mg/kg	0.32806	0.90%
Vanadium,7440-62-2†	188190.5	0.82195	mg/L	0.000765	32.8781	mg/kg	0.03059	0.09%
Zinc,7440-66-6†	715964.3	4.21328	mg/L	0.006142	168.531	mg/kg	0.2457	0.15%
Zirconium,7440-67-7†	174024.2	0.19875	mg/L	0.000241	7.95006	mg/kg	0.009641	0.12%

Sequence No.: 68
Sample ID: 625309

Autosampler Location: 63
Date Collected: 7/14/2008 7:49:35 PM
Data Type: Reprocessed on 7/15/2008 9:00:19 AM

171684

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 5X Sample Prep Vol: 50 mL

Mean Data: 625309

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	100999.8	89.4443	%	0.19501				0.22%
Ar 420.067 R	3171505.3	93.5656	%	0.13319				0.14%
Scandium-IS	4465780.3	96.0395	%	0.83891				0.87%
Yttrium,7440-65-5A	2186920.5	96.3452	%	0.68346				0.71%
Yttrium,7440-65-5R	340802.8	99.3163	%	0.31201				0.31%
Aluminum,7429-90-5†	129885.4	64.1385	mg/L	0.86038	12827.7	mg/kg	172.08	1.34%
Antimony,7440-36-0†	14.6	0.00338	mg/L	0.002060	0.67642	mg/kg	0.411935	60.90%
Arsenic,7440-38-2†	35.2	-0.00168	mg/L	0.003904	-0.33695	mg/kg	0.780880	231.75%
Barium,7440-39-3†	669006.1	2.22472	mg/L	0.068448	444.943	mg/kg	13.6897	3.08%
Beryllium,7440-41-7†	26938.0	0.00431	mg/L	0.000124	0.86127	mg/kg	0.024835	2.88%
Boron,7440-42-8†	1030.8	0.00768	mg/L	0.003095	1.53607	mg/kg	0.618942	40.29%
Cadmium,7440-43-9†	595.4	-0.00192	mg/L	0.000041	-0.38346	mg/kg	0.008144	2.12%
Calcium,7440-70-2†	2755439.6	204.828	mg/L	1.5931	40965.5	mg/kg	318.63	0.78%
Chromium,7440-47-3†	20235.0	0.07862	mg/L	0.002265	15.7248	mg/kg	0.45292	2.88%
Cobalt,7440-48-4†	2842.0	0.03322	mg/L	0.000575	6.64303	mg/kg	0.114973	1.73%
Copper,7440-50-8†	48807.1	0.11012	mg/L	0.003388	22.0232	mg/kg	0.67756	3.08%
Iron,7439-89-6†	1518935.3	82.7647	mg/L	0.68203	16552.9	mg/kg	136.41	0.82%
Lead,7439-92-1†	1476.4	0.09382	mg/L	0.000213	18.7641	mg/kg	0.04265	0.23%
Lithium,7439-93-2†	9331.8	0.09708	mg/L	0.001341	19.4161	mg/kg	0.26816	1.38%
Magnesium,7439-95-4†	143298.9	44.7704	mg/L	0.65874	8954.07	mg/kg	131.748	1.47%
Manganese, 7439-96-5†	1608088.2	1.48263	mg/L	0.046333	296.527	mg/kg	9.2667	3.13%
Molybdenum,7439-98-7†	-33.5	0.00198	mg/L	0.000499	0.39646	mg/kg	0.099887	25.19%
Nickel,7440-02-0†	7093.7	0.08189	mg/L	0.001822	16.3772	mg/kg	0.36435	2.22%
Potassium,7440-09-7†	76679.8	18.7437	mg/L	0.23647	3748.73	mg/kg	47.293	1.26%
Selenium,7782-49-2†	-34.8	-0.00403	mg/L	0.002260	-0.80663	mg/kg	0.452064	56.04%
Silicon,7440-21-3†	43758.5	6.62354	mg/L	0.095072	1324.71	mg/kg	19.014	1.44%
Silver,7440-22-4†	-399.7	0.00062	mg/L	0.000080	0.12460	mg/kg	0.015917	12.78%
Sodium,7440-23-5†	106010.5	11.3522	mg/L	0.13430	2270.43	mg/kg	26.859	1.18%
Strontium,7440-24-6†	471574.7	0.42874	mg/L	0.003171	85.7482	mg/kg	0.63424	0.74%
Thallium,7440-28-0†	-42.8	-0.00027	mg/L	0.001156	-0.05310	mg/kg	0.231102	435.20%
Tin,7440-31-5†	-721.1	0.01061	mg/L	0.001410	2.12101	mg/kg	0.281938	13.29%
Titanium,7440-32-6†	96022.7	0.12118	mg/L	0.003329	24.2351	mg/kg	0.66577	2.75%
Vanadium,7440-62-2†	22798.8	0.08920	mg/L	0.003769	17.8394	mg/kg	0.75380	4.23%
Zinc,7440-66-6†	162642.2	0.95605	mg/L	0.030471	191.209	mg/kg	6.0943	3.19%
Zirconium,7440-67-7†	44337.5	0.05051	mg/L	0.001470	10.1012	mg/kg	0.29408	2.91%

Sequence No.: 69
Sample ID: 20807104708
Autosampler Location: 64
Date Collected: 7/14/2008 7:55:27 PM
Data Type: Reprocessed on 7/15/2008 9:00:21 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X Sample Prep Vol: 50 mL

Mean Data: 20807104708

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	105665.4	93.5761	%	0.31941				0.34%
Ar 420.067 R	3256742.7	96.0803	%	0.05066				0.05%
Scandium-IS	4538699.2	97.6076	%	0.90829				0.93%
Yttrium,7440-65-5A	2309093.6	101.728	%	0.8613				0.85%
Yttrium,7440-65-5R	359636.7	104.805	%	0.5269				0.50%
Aluminum,7429-90-5†	410380.1	202.652	mg/L	0.6428	8106.10	mg/kg	25.713	0.32%
Antimony,7440-36-0†	55.2	0.01081	mg/L	0.002484	0.43238	mg/kg	0.099375	22.98%
Arsenic,7440-38-2†	30.3	-0.01004	mg/L	0.001522	-0.40177	mg/kg	0.060882	15.15%
Barium,7440-39-3†	189448.8	0.63053	mg/L	0.006475	25.2211	mg/kg	0.25901	1.03%
Beryllium,7440-41-7†	79513.6	0.01257	mg/L	0.000120	0.50297	mg/kg	0.004810	0.96%
Boron,7440-42-8†	19525.0	0.22379	mg/L	0.004125	8.95162	mg/kg	0.164990	1.84%
Cadmium,7440-43-9†	188.9	-0.00704	mg/L	0.000088	-0.28180	mg/kg	0.003522	1.25%
Calcium,7440-70-2†	641395.0	47.6616	mg/L	0.21795	1906.47	mg/kg	8.718	0.46%
Chromium,7440-47-3†	61854.8	0.24077	mg/L	0.002385	9.63065	mg/kg	0.095383	0.99%
Cobalt,7440-48-4†	6077.8	0.07070	mg/L	0.000756	2.82789	mg/kg	0.030237	1.07%

Copper,7440-50-8†	122141.0	0.27406 mg/L	0.003284	10.9625 mg/kg	0.13136	1.20%
Iron,7439-89-6†	3012236.2	164.130 mg/L	1.4474	6565.21 mg/kg	57.897	0.88%
Lead,7439-92-1†	2978.1	0.19998 mg/L	0.002297	7.99905 mg/kg	0.091872	1.15%
Lithium,7439-93-2†	24682.8	0.25674 mg/L	0.001102	10.2698 mg/kg	0.04408	0.43%
Magnesium,7439-95-4†	361170.8	112.836 mg/L	0.5540	4513.46 mg/kg	22.161	0.49%
Manganese, 7439-96-5†	2050142.2	1.89164 mg/L	0.012116	75.6656 mg/kg	0.48464	0.64%
Molybdenum,7439-98-7†	-83.6	0.00221 mg/L	0.000807	0.08835 mg/kg	0.032266	36.52%
Nickel,7440-02-0†	19182.8	0.22582 mg/L	0.003290	9.03289 mg/kg	0.131600	1.46%
Potassium,7440-09-7†	334505.5	81.7828 mg/L	0.29933	3271.31 mg/kg	11.973	0.37%
Selenium,7782-49-2†	-47.9	-0.00160 mg/L	0.001533	-0.06408 mg/kg	0.061335	95.71%
Silicon,7440-21-3†	173952.9	26.3517 mg/L	0.09641	1054.07 mg/kg	3.857	0.37%
Silver,7440-22-4†	-1714.1	0.00025 mg/L	0.000310	0.01013 mg/kg	0.012390	122.33%
Sodium,7440-23-5†	1088609.8	118.011 mg/L	0.9283	4720.42 mg/kg	37.134	0.79%
Strontium,7440-24-6†	772288.6	0.71145 mg/L	0.005041	28.4578 mg/kg	0.20163	0.71%
Thallium,7440-28-0†	-160.2	-0.00038 mg/L	0.001432	-0.01540 mg/kg	0.057291	372.10%
Tin,7440-31-5†	-967.6	0.04984 mg/L	0.001332	1.99342 mg/kg	0.053289	2.67%
Titanium,7440-32-6†	357227.9	0.45101 mg/L	0.002082	18.0405 mg/kg	0.08327	0.46%
Vanadium,7440-62-2†	71273.8	0.30370 mg/L	0.004627	12.1479 mg/kg	0.18507	1.52%
Zinc,7440-66-6†	139459.5	0.80682 mg/L	0.011333	32.2728 mg/kg	0.45331	1.40%
Zirconium,7440-67-7†	150959.1	0.17827 mg/L	0.001942	7.13078 mg/kg	0.077679	1.09%

Sequence No.: 70 **Autosampler Location: 65**
Sample ID: 20807104710 **Date Collected: 7/14/2008 8:01:34 PM**
Data Type: Reprocessed on 7/15/2008 9:00:23 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X **Sample Prep Vol: 50 mL**

Mean Data: 20807104710

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	104985.1	92.9737	%	0.13957				0.15%
Ar 420.067 R	3221386.7	95.0372	%	0.10992				0.12%
Scandium-IS	4507124.8	96.9286	%	1.42597				1.47%
Yttrium,7440-65-5A	2358702.8	103.913	%	1.3201				1.27%
Yttrium,7440-65-5R	363672.1	105.981	%	2.0698				1.95%
Aluminum,7429-90-5†	498981.8	246.408	mg/L	7.1771	9856.31	mg/kg	287.084	2.91%
Antimony,7440-36-0†	96.0	0.01956	mg/L	0.007417	0.78250	mg/kg	0.296692	37.92%
Arsenic,7440-38-2†	62.9	-0.01471	mg/L	0.001848	-0.58854	mg/kg	0.073922	12.56%
Barium,7440-39-3†	317469.0	1.05679	mg/L	0.016284	42.2717	mg/kg	0.65135	1.54%
Beryllium,7440-41-7†	108278.5	0.01745	mg/L	0.000247	0.69792	mg/kg	0.009894	1.42%
Boron,7440-42-8†	4045.8	0.01715	mg/L	0.003275	0.68595	mg/kg	0.131015	19.10%
Cadmium,7440-43-9†	2294.4	-0.00389	mg/L	0.000382	-0.15548	mg/kg	0.015299	9.84%
Calcium,7440-70-2†	410933.6	30.5222	mg/L	0.88667	1220.89	mg/kg	35.467	2.91%
Chromium,7440-47-3†	70990.5	0.27613	mg/L	0.004376	11.0454	mg/kg	0.17503	1.58%
Cobalt,7440-48-4†	8719.1	0.10281	mg/L	0.000481	4.11223	mg/kg	0.019237	0.47%
Copper,7440-50-8†	102631.4	0.23756	mg/L	0.003320	9.50226	mg/kg	0.132793	1.40%
Iron,7439-89-6†	4317931.3	235.276	mg/L	8.4613	9411.04	mg/kg	338.452	3.60%
Lead,7439-92-1†	2736.6	0.17163	mg/L	0.004222	6.86516	mg/kg	0.168868	2.46%
Lithium,7439-93-2†	34986.3	0.36386	mg/L	0.009814	14.5545	mg/kg	0.39254	2.70%
Magnesium,7439-95-4†	455687.8	142.362	mg/L	4.3228	5694.46	mg/kg	172.910	3.04%
Manganese, 7439-96-5†	2095192.8	1.93398	mg/L	0.028634	77.3593	mg/kg	1.14537	1.48%
Molybdenum,7439-98-7†	-204.7	-0.00076	mg/L	0.001496	-0.03030	mg/kg	0.059854	197.57%
Nickel,7440-02-0†	25056.8	0.29375	mg/L	0.002765	11.7501	mg/kg	0.11061	0.94%
Potassium,7440-09-7†	328551.8	80.3122	mg/L	2.12122	3212.49	mg/kg	84.849	2.64%
Selenium,7782-49-2†	-79.6	-0.00818	mg/L	0.008668	-0.32737	mg/kg	0.346723	105.91%
Silicon,7440-21-3†	55921.4	8.44545	mg/L	0.245486	337.818	mg/kg	9.8195	2.91%
Silver,7440-22-4†	-2966.8	-0.00068	mg/L	0.000265	-0.02727	mg/kg	0.010616	38.92%
Sodium,7440-23-5†	1242229.1	134.567	mg/L	4.3898	5382.68	mg/kg	175.590	3.26%
Strontium,7440-24-6†	483326.4	0.45188	mg/L	0.015101	18.0752	mg/kg	0.60403	3.34%
Thallium,7440-28-0†	-149.2	0.00744	mg/L	0.004734	0.29759	mg/kg	0.189354	63.63%
Tin,7440-31-5†	-1348.0	0.07429	mg/L	0.005119	2.97172	mg/kg	0.204744	6.89%
Titanium,7440-32-6†	124324.5	0.15670	mg/L	0.002667	6.26800	mg/kg	0.106682	1.70%
Vanadium,7440-62-2†	62388.5	0.24621	mg/L	0.006084	9.84820	mg/kg	0.243360	2.47%
Zinc,7440-66-6†	130846.0	0.74714	mg/L	0.011886	29.8856	mg/kg	0.47543	1.59%
Zirconium,7440-67-7†	71986.9	0.07931	mg/L	0.001574	3.17244	mg/kg	0.062944	1.98%

Sequence No.: 71 **Autosampler Location: 66**

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Sample ID: 20807104712
Date Collected: 7/14/2008 8:06:41 PM
Data Type: Reprocessed on 7/15/2008 9:00:25 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X
Sample Prep Vol: 50 mL

Mean Data: 20807104712

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	89769.9	79.4992	%	0.26533				0.33%
Ar 420.067 R	3016748.3	89.0000	%	0.14924				0.17%
Scandium-IS	4130093.5	88.8203	%	0.89640				1.01%
Yttrium,7440-65-5A	2124656.8	93.6021	%	0.85354				0.91%
Yttrium,7440-65-5R	337906.3	98.4722	%	0.05566				0.06%
Aluminum,7429-90-5†	542985.6	268.121	mg/L	0.9057	10639.7	mg/kg	35.94	0.34%
Antimony,7440-36-0†	102.0	0.02286	mg/L	0.001344	0.90733	mg/kg	0.053338	5.88%
Arsenic,7440-38-2†	204.4	0.03707	mg/L	0.002949	1.47121	mg/kg	0.117020	7.95%
Barium,7440-39-3†	1196564.9	3.97626	mg/L	0.034181	157.788	mg/kg	1.3564	0.86%
Beryllium,7440-41-7†	98186.9	0.01552	mg/L	0.000101	0.61603	mg/kg	0.004004	0.65%
Boron,7440-42-8†	9595.6	0.12725	mg/L	0.002073	5.04973	mg/kg	0.082253	1.63%
Cadmium,7440-43-9†	2525.0	-0.00494	mg/L	0.000424	-0.19600	mg/kg	0.016819	8.58%
Calcium,7440-70-2†	15731047.0	1169.40	mg/L	9.155	46404.6	mg/kg	363.29	0.78%
Chromium,7440-47-3†	75487.2	0.29144	mg/L	0.003113	11.5649	mg/kg	0.12353	1.07%
Cobalt,7440-48-4†	11106.4	0.12939	mg/L	0.001511	5.13470	mg/kg	0.059977	1.17%
Copper,7440-50-8†	120715.0	0.27169	mg/L	0.001797	10.7815	mg/kg	0.07130	0.66%
Iron,7439-89-6†	5541276.6	301.936	mg/L	2.3122	11981.6	mg/kg	91.75	0.77%
Lead,7439-92-1†	2721.5	0.16693	mg/L	0.004745	6.62439	mg/kg	0.188301	2.84%
Lithium,7439-93-2†	40032.4	0.41626	mg/L	0.002727	16.5183	mg/kg	0.10820	0.66%
Magnesium,7439-95-4†	630370.4	196.972	mg/L	0.8259	7816.34	mg/kg	32.775	0.42%
Manganese, 7439-96-5†	11447660.6	10.5522	mg/L	0.12497	418.737	mg/kg	4.9593	1.18%
Molybdenum,7439-98-7†	-334.9	-0.00043	mg/L	0.001785	-0.01721	mg/kg	0.070817	411.43%
Nickel,7440-02-0†	26963.8	0.31131	mg/L	0.003648	12.3536	mg/kg	0.14475	1.17%
Potassium,7440-09-7†	313599.2	76.6696	mg/L	0.37551	3042.45	mg/kg	14.901	0.49%
Selenium,7782-49-2†	-97.6	0.00442	mg/L	0.002504	0.17545	mg/kg	0.099381	56.64%
Silicon,7440-21-3†	147133.5	22.2468	mg/L	0.11326	882.809	mg/kg	4.4945	0.51%
Silver,7440-22-4†	-2128.8	-0.00145	mg/L	0.000265	-0.05760	mg/kg	0.010508	18.24%
Sodium,7440-23-5†	995715.2	107.607	mg/L	0.2886	4270.12	mg/kg	11.452	0.27%
Strontium,7440-24-6†	2376164.3	2.15082	mg/L	0.012952	85.3499	mg/kg	0.51395	0.60%
Thallium,7440-28-0†	-208.2	-0.01816	mg/L	0.002765	-0.72076	mg/kg	0.109737	15.23%
Tin,7440-31-5†	-2236.0	0.07868	mg/L	0.004398	3.12202	mg/kg	0.174519	5.59%
Titanium,7440-32-6†	493218.8	0.62257	mg/L	0.005382	24.7053	mg/kg	0.21357	0.86%
Vanadium,7440-62-2†	111609.8	0.46207	mg/L	0.005313	18.3359	mg/kg	0.21084	1.15%
Zinc,7440-66-6†	130397.3	0.73488	mg/L	0.007523	29.1620	mg/kg	0.29853	1.02%
Zirconium,7440-67-7†	127492.8	0.14073	mg/L	0.001911	5.58433	mg/kg	0.075848	1.36%

Sequence No.: 72
Autosampler Location: 7
Sample ID: 1800
Date Collected: 7/14/2008 8:12:35 PM
Data Type: Reprocessed on 7/15/2008 9:00:26 AM

Logged In Analyst (Original) : met

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	109797.4	97.2354	%	0.18172				0.19%
Ar 420.067 R	3289263.4	97.0397	%	0.08725				0.09%
Scandium-IS	4647347.3	99.9442	%	0.55701				0.56%
Yttrium,7440-65-5A	2240677.0	98.7134	%	0.54330				0.55%
Yttrium,7440-65-5R	342168.7	99.7144	%	0.27917				0.28%
Aluminum,7429-90-5†	10587.4	5.23138	mg/L	0.037985	5.23138	mg/L	0.037985	0.73%
QC value within limits for Aluminum,7429-90-5 Recovery = 104.63%								
Antimony,7440-36-0†	2436.8	0.48162	mg/L	0.003691	0.48162	mg/L	0.003691	0.77%
QC value within limits for Antimony,7440-36-0 Recovery = 96.32%								
Arsenic,7440-38-2†	1053.4	0.47330	mg/L	0.003823	0.47330	mg/L	0.003823	0.81%
QC value within limits for Arsenic,7440-38-2 Recovery = 94.66%								
Barium,7440-39-3†	150029.1	0.49867	mg/L	0.002200	0.49867	mg/L	0.002200	0.44%
QC value within limits for Barium,7440-39-3 Recovery = 99.73%								
Beryllium,7440-41-7†	3050464.2	0.48857	mg/L	0.003483	0.48857	mg/L	0.003483	0.71%
QC value within limits for Beryllium,7440-41-7 Recovery = 97.71%								

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Boron,7440-42-8†	193499.5	2.40432 mg/L	0.016154	2.40432 mg/L	0.016154	0.67%
QC value within limits for Boron,7440-42-8 Recovery = 96.17%						
Cadmium,7440-43-9†	148505.1	0.48133 mg/L	0.002702	0.48133 mg/L	0.002702	0.56%
QC value within limits for Cadmium,7440-43-9 Recovery = 96.27%						
Calcium,7440-70-2†	74313.8	5.52171 mg/L	0.143862	5.52171 mg/L	0.143862	2.61%
QC value within limits for Calcium,7440-70-2 Recovery = 110.43%						
Chromium,7440-47-3†	124839.7	0.49483 mg/L	0.003530	0.49483 mg/L	0.003530	0.71%
QC value within limits for Chromium,7440-47-3 Recovery = 98.97%						
Cobalt,7440-48-4†	40223.2	0.48903 mg/L	0.002025	0.48903 mg/L	0.002025	0.41%
QC value within limits for Cobalt,7440-48-4 Recovery = 97.81%						
Copper,7440-50-8†	228315.3	0.49403 mg/L	0.001977	0.49403 mg/L	0.001977	0.40%
QC value within limits for Copper,7440-50-8 Recovery = 98.81%						
Iron,7439-89-6†	93533.0	5.09621 mg/L	0.054836	5.09621 mg/L	0.054836	1.08%
QC value within limits for Iron,7439-89-6 Recovery = 101.92%						
Lead,7439-92-1†	6943.5	0.48235 mg/L	0.004750	0.48235 mg/L	0.004750	0.98%
QC value within limits for Lead,7439-92-1 Recovery = 96.47%						
Lithium,7439-93-2†	48406.2	0.50212 mg/L	0.001858	0.50212 mg/L	0.001858	0.37%
QC value within limits for Lithium,7439-93-2 Recovery = 100.42%						
Magnesium,7439-95-4†	15995.1	4.99995 mg/L	0.050343	4.99995 mg/L	0.050343	1.01%
QC value within limits for Magnesium,7439-95-4 Recovery = 100.00%						
Manganese, 7439-96-5†	545121.3	0.50226 mg/L	0.002229	0.50226 mg/L	0.002229	0.44%
QC value within limits for Manganese, 7439-96-5 Recovery = 100.45%						
Molybdenum,7439-98-7†	11149.9	0.48955 mg/L	0.004214	0.48955 mg/L	0.004214	0.86%
QC value within limits for Molybdenum,7439-98-7 Recovery = 97.91%						
Nickel,7440-02-0†	40065.1	0.49358 mg/L	0.003131	0.49358 mg/L	0.003131	0.63%
QC value within limits for Nickel,7440-02-0 Recovery = 98.72%						
Potassium,7440-09-7†	42267.5	10.3363 mg/L	0.04066	10.3363 mg/L	0.04066	0.39%
QC value within limits for Potassium,7440-09-7 Recovery = 103.36%						
Selenium,7782-49-2†	1052.7	0.48736 mg/L	0.005172	0.48736 mg/L	0.005172	1.06%
QC value within limits for Selenium,7782-49-2 Recovery = 97.47%						
Silicon,7440-21-3†	32995.3	5.00233 mg/L	0.019058	5.00233 mg/L	0.019058	0.38%
QC value within limits for Silicon,7440-21-3 Recovery = 100.05%						
Silver,7440-22-4†	207533.8	0.49788 mg/L	0.002240	0.49788 mg/L	0.002240	0.45%
QC value within limits for Silver,7440-22-4 Recovery = 99.58%						
Sodium,7440-23-5†	190638.9	20.7146 mg/L	0.24569	20.7146 mg/L	0.24569	1.19%
QC value within limits for Sodium,7440-23-5 Recovery = 103.57%						
Strontium,7440-24-6†	563719.9	0.51431 mg/L	0.005806	0.51431 mg/L	0.005806	1.13%
QC value within limits for Strontium,7440-24-6 Recovery = 102.86%						
Thallium,7440-28-0†	3366.4	0.50339 mg/L	0.003022	0.50339 mg/L	0.003022	0.60%
QC value within limits for Thallium,7440-28-0 Recovery = 100.68%						
Tin,7440-31-5†	6014.5	0.48516 mg/L	0.003444	0.48516 mg/L	0.003444	0.71%
QC value within limits for Tin,7440-31-5 Recovery = 97.03%						
Titanium,7440-32-6†	401613.1	0.50718 mg/L	0.002492	0.50718 mg/L	0.002492	0.49%
QC value within limits for Titanium,7440-32-6 Recovery = 101.44%						
Vanadium,7440-62-2†	105560.2	0.49866 mg/L	0.002419	0.49866 mg/L	0.002419	0.49%
QC value within limits for Vanadium,7440-62-2 Recovery = 99.73%						
Zinc,7440-66-6†	84131.7	0.49583 mg/L	0.002193	0.49583 mg/L	0.002193	0.44%
QC value within limits for Zinc,7440-66-6 Recovery = 99.17%						
Zirconium,7440-67-7†	413008.5	0.50483 mg/L	0.001181	0.50483 mg/L	0.001181	0.23%
QC value within limits for Zirconium,7440-67-7 Recovery = 100.97%						

All analyte(s) passed QC.

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Sequence No.: 73 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 7/14/2008 8:18:36 PM**
Data Type: Reprocessed on 7/15/2008 9:00:28 AM

Logged In Analyst (Original) : met

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	110338.1	97.7143	%	0.21292				0.22%
Ar 420.067 R	3295719.0	97.2302	%	0.10395				0.11%
Scandium-IS	4672518.8	100.486	%	1.1062				1.10%
Yttrium,7440-65-5A	2293344.5	101.034	%	1.1225				1.11%
Yttrium,7440-65-5R	344953.0	100.526	%	1.3630				1.36%
Aluminum,7429-90-5†	-10.8	-0.00533	mg/L	0.007549	-0.00533	mg/L	0.007549	141.53%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	-7.7	-0.00154	mg/L	0.000460	-0.00154	mg/L	0.000460	29.79%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								

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Arsenic,7440-38-2†        -3.1     -0.00141 mg/L       0.001227     -0.00141 mg/L       0.001227  86.98%
   QC value within limits for Arsenic,7440-38-2  Recovery = Not calculated
Barium,7440-39-3†        153.3      0.00051 mg/L       0.000118      0.00051 mg/L       0.000118  23.01%
   QC value within limits for Barium,7440-39-3  Recovery = Not calculated
Beryllium,7440-41-7†    1591.8      0.00026 mg/L       0.000057      0.00026 mg/L       0.000057  22.22%
   QC value within limits for Beryllium,7440-41-7  Recovery = Not calculated
Boron,7440-42-8†         160.3      0.00198 mg/L       0.001776      0.00198 mg/L       0.001776  89.49%
   QC value within limits for Boron,7440-42-8  Recovery = Not calculated
Cadmium,7440-43-9†        43.1      0.00014 mg/L       0.000057      0.00014 mg/L       0.000057  41.30%
   QC value within limits for Cadmium,7440-43-9  Recovery = Not calculated
Calcium,7440-70-2†       296.1      0.02202 mg/L       0.014057      0.02202 mg/L       0.014057  63.85%
   QC value within limits for Calcium,7440-70-2  Recovery = Not calculated
Chromium,7440-47-3†        7.3      0.00003 mg/L       0.000042      0.00003 mg/L       0.000042 151.02%
   QC value within limits for Chromium,7440-47-3  Recovery = Not calculated
Cobalt,7440-48-4†         15.6      0.00019 mg/L       0.000254      0.00019 mg/L       0.000254 133.53%
   QC value within limits for Cobalt,7440-48-4  Recovery = Not calculated
Copper,7440-50-8†       -827.6     -0.00179 mg/L       0.000260     -0.00179 mg/L       0.000260  14.50%
   QC value within limits for Copper,7440-50-8  Recovery = Not calculated
Iron,7439-89-6†          387.0      0.02109 mg/L       0.005550      0.02109 mg/L       0.005550  26.32%
   QC value within limits for Iron,7439-89-6  Recovery = Not calculated
Lead,7439-92-1†            4.4      0.00031 mg/L       0.000380      0.00031 mg/L       0.000380 122.22%
   QC value within limits for Lead,7439-92-1  Recovery = Not calculated
Lithium,7439-93-2†      -122.5     -0.00127 mg/L       0.000707     -0.00127 mg/L       0.000707  55.61%
   QC value within limits for Lithium,7439-93-2  Recovery = Not calculated
Magnesium,7439-95-4†      32.2      0.01007 mg/L       0.007704      0.01007 mg/L       0.007704  76.51%
   QC value within limits for Magnesium,7439-95-4  Recovery = Not calculated
Manganese, 7439-96-5†     472.3      0.00044 mg/L       0.000063      0.00044 mg/L       0.000063  14.48%
   QC value within limits for Manganese, 7439-96-5  Recovery = Not calculated
Molybdenum,7439-98-7†      31.3      0.00138 mg/L       0.000327      0.00138 mg/L       0.000327  23.75%
   QC value within limits for Molybdenum,7439-98-7  Recovery = Not calculated
Nickel,7440-02-0†          0.4      0.00000 mg/L       0.000131      0.00000 mg/L       0.000131 >999.9%
   QC value within limits for Nickel,7440-02-0  Recovery = Not calculated
Potassium,7440-09-7†     611.1      0.14946 mg/L       0.000764      0.14946 mg/L       0.000764   0.51%
   QC value greater than the upper limit for Potassium,7440-09-7  Recovery = Not calculated
Selenium,7782-49-2†        4.9      0.00224 mg/L       0.001681      0.00224 mg/L       0.001681  74.88%
   QC value within limits for Selenium,7782-49-2  Recovery = Not calculated
Silicon,7440-21-3†        41.5      0.00629 mg/L       0.001986      0.00629 mg/L       0.001986  31.57%
   QC value within limits for Silicon,7440-21-3  Recovery = Not calculated
Silver,7440-22-4†        291.7      0.00070 mg/L       0.000278      0.00070 mg/L       0.000278  39.81%
   QC value within limits for Silver,7440-22-4  Recovery = Not calculated
Sodium,7440-23-5†       3768.1      0.40958 mg/L       0.008741      0.40958 mg/L       0.008741   2.13%
   QC value greater than the upper limit for Sodium,7440-23-5  Recovery = Not calculated
Strontium,7440-24-6†     390.8      0.00036 mg/L       0.000007      0.00036 mg/L       0.000007   1.91%
   QC value within limits for Strontium,7440-24-6  Recovery = Not calculated
Thallium,7440-28-0†       10.9      0.00159 mg/L       0.000546      0.00159 mg/L       0.000546  34.32%
   QC value within limits for Thallium,7440-28-0  Recovery = Not calculated
Tin,7440-31-5†            -0.0      0.00001 mg/L       0.000153      0.00001 mg/L       0.000153 >999.9%
   QC value within limits for Tin,7440-31-5  Recovery = Not calculated
Titanium,7440-32-6†      367.3      0.00046 mg/L       0.000050      0.00046 mg/L       0.000050  10.80%
   QC value within limits for Titanium,7440-32-6  Recovery = Not calculated
Vanadium,7440-62-2†     -289.7     -0.00136 mg/L       0.000393     -0.00136 mg/L       0.000393  28.90%
   QC value within limits for Vanadium,7440-62-2  Recovery = Not calculated
Zinc,7440-66-6†          504.9      0.00300 mg/L       0.000191      0.00300 mg/L       0.000191   6.37%
   QC value within limits for Zinc,7440-66-6  Recovery = Not calculated
Zirconium,7440-67-7†     -59.3     -0.00007 mg/L       0.000132     -0.00007 mg/L       0.000132 179.95%
   QC value within limits for Zirconium,7440-67-7  Recovery = Not calculated
QC Failed.  Continue with analysis.
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Sequence No.: 74 **Autosampler Location: 67**
Sample ID: 624022 **Date Collected: 7/14/2008 8:25:31 PM**
Data Type: Reprocessed on 7/15/2008 9:00:30 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X **Sample Prep Vol: 50 mL**

Mean Data: 624022

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	112848.4	99.9373	%	0.17523				0.18%

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Ar 420.067 R	3391708.3	100.062 %	0.2425				0.24%
Scandium-IS	4754451.2	102.248 %	0.3929				0.38%
Yttrium,7440-65-5A	2304125.8	101.509 %	0.3566				0.35%
Yttrium,7440-65-5R	338188.4	98.5544 %	2.16033				2.19%
Aluminum,7429-90-5†	88.1	0.04346 mg/L	0.003983	1.73856	mg/kg	0.159302	9.16%
Antimony,7440-36-0†	2.9	0.00057 mg/L	0.001070	0.02292	mg/kg	0.042804	186.76%
Arsenic,7440-38-2†	-7.7	-0.00342 mg/L	0.001643	-0.13675	mg/kg	0.065736	48.07%
Barium,7440-39-3†	106.3	0.00035 mg/L	0.000041	0.01403	mg/kg	0.001641	11.70%
Beryllium,7440-41-7†	1016.5	0.00016 mg/L	0.000022	0.00650	mg/kg	0.000880	13.54%
Boron,7440-42-8†	-117.9	-0.00144 mg/L	0.000602	-0.05748	mg/kg	0.024062	41.86%
Cadmium,7440-43-9†	-10.7	-0.00003 mg/L	0.000016	-0.00133	mg/kg	0.000628	47.38%
Calcium,7440-70-2†	12219.5	0.90838 mg/L	0.024165	36.3353	mg/kg	0.96658	2.66%
Chromium,7440-47-3†	26.5	0.00010 mg/L	0.000110	0.00409	mg/kg	0.004412	107.83%
Cobalt,7440-48-4†	-7.8	-0.00010 mg/L	0.000125	-0.00390	mg/kg	0.004990	127.88%
Copper,7440-50-8†	-945.9	-0.00205 mg/L	0.000080	-0.08201	mg/kg	0.003210	3.91%
Iron,7439-89-6†	309.6	0.01687 mg/L	0.001243	0.67481	mg/kg	0.049735	7.37%
Lead,7439-92-1†	-26.9	-0.00186 mg/L	0.000771	-0.07436	mg/kg	0.030824	41.45%
Lithium,7439-93-2†	-115.1	-0.00119 mg/L	0.000808	-0.04774	mg/kg	0.032304	67.67%
Magnesium,7439-95-4†	62.6	0.01955 mg/L	0.000715	0.78196	mg/kg	0.028607	3.66%
Manganese, 7439-96-5†	910.5	0.00084 mg/L	0.000018	0.03352	mg/kg	0.000735	2.19%
Molybdenum,7439-98-7†	18.7	0.00082 mg/L	0.000404	0.03297	mg/kg	0.016165	49.03%
Nickel,7440-02-0†	9.6	0.00012 mg/L	0.000433	0.00468	mg/kg	0.017328	370.53%
Potassium,7440-09-7†	1098.2	0.26864 mg/L	0.007918	10.7456	mg/kg	0.31673	2.95%
Selenium,7782-49-2†	-4.6	-0.00211 mg/L	0.003141	-0.08451	mg/kg	0.125632	148.65%
Silicon,7440-21-3†	219.1	0.03321 mg/L	0.001609	1.32830	mg/kg	0.064349	4.84%
Silver,7440-22-4†	95.6	0.00023 mg/L	0.000197	0.00902	mg/kg	0.007874	87.29%
Sodium,7440-23-5†	4471.2	0.48600 mg/L	0.001371	19.4400	mg/kg	0.05483	0.28%
Strontium,7440-24-6†	721.5	0.00063 mg/L	0.000044	0.02538	mg/kg	0.001758	6.93%
Thallium,7440-28-0†	-11.5	-0.00172 mg/L	0.001799	-0.06892	mg/kg	0.071972	104.43%
Tin,7440-31-5†	43.2	0.00349 mg/L	0.000628	0.13954	mg/kg	0.025129	18.01%
Titanium,7440-32-6†	1405.3	0.00178 mg/L	0.000077	0.07104	mg/kg	0.003067	4.32%
Vanadium,7440-62-2†	-360.8	-0.00169 mg/L	0.000087	-0.06766	mg/kg	0.003499	5.17%
Zinc,7440-66-6†	7484.7	0.04448 mg/L	0.000405	1.77920	mg/kg	0.016194	0.91%
Zirconium,7440-67-7†	43.6	0.00005 mg/L	0.000159	0.00196	mg/kg	0.006365	324.55%

Sequence No.: 75
Sample ID: 624023

Autosampler Location: 68
Date Collected: 7/14/2008 8:32:13 PM
Data Type: Reprocessed on 7/15/2008 9:00:32 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Sample Prep Vol: 50 mL

Mean Data: 624023

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	112773.5	99.8710	%	0.47458				0.48%
Ar 420.067 R	3396524.6	100.204	%	0.0369				0.04%
Scandium-IS	4612131.2	99.1868	%	0.84109				0.85%
Yttrium,7440-65-5A	2211453.4	97.4260	%	0.75430				0.77%
Yttrium,7440-65-5R	333417.4	97.1641	%	0.82953				0.85%
Aluminum,7429-90-5†	10407.0	5.14229	mg/L	0.006520	205.692	mg/kg	0.2608	0.13%
Antimony,7440-36-0†	2407.8	0.47583	mg/L	0.002141	19.0331	mg/kg	0.08564	0.45%
Arsenic,7440-38-2†	1030.4	0.46307	mg/L	0.005318	18.5227	mg/kg	0.21273	1.15%
Barium,7440-39-3†	146916.7	0.48831	mg/L	0.005160	19.5325	mg/kg	0.20639	1.06%
Beryllium,7440-41-7†	2926401.0	0.46868	mg/L	0.001548	18.7471	mg/kg	0.06192	0.33%
Boron,7440-42-8†	179478.8	2.23032	mg/L	0.020033	89.2126	mg/kg	0.80130	0.90%
Cadmium,7440-43-9†	145583.8	0.47186	mg/L	0.004903	18.8746	mg/kg	0.19611	1.04%
Calcium,7440-70-2†	78454.5	5.82955	mg/L	0.014877	233.182	mg/kg	0.5951	0.26%
Chromium,7440-47-3†	124786.5	0.49463	mg/L	0.004757	19.7850	mg/kg	0.19029	0.96%
Cobalt,7440-48-4†	39937.4	0.48554	mg/L	0.004845	19.4216	mg/kg	0.19382	1.00%
Copper,7440-50-8†	225906.9	0.48881	mg/L	0.005054	19.5525	mg/kg	0.20215	1.03%
Iron,7439-89-6†	91236.5	4.97107	mg/L	0.010059	198.843	mg/kg	0.4023	0.20%
Lead,7439-92-1†	6917.3	0.48058	mg/L	0.003676	19.2232	mg/kg	0.14704	0.76%
Lithium,7439-93-2†	47973.1	0.49762	mg/L	0.001124	19.9050	mg/kg	0.04498	0.23%
Magnesium,7439-95-4†	15792.3	4.93651	mg/L	0.011777	197.460	mg/kg	0.4711	0.24%
Manganese, 7439-96-5†	535245.7	0.49315	mg/L	0.005026	19.7261	mg/kg	0.20106	1.02%
Molybdenum,7439-98-7†	11297.0	0.49601	mg/L	0.003112	19.8403	mg/kg	0.12449	0.63%
Nickel,7440-02-0†	39413.9	0.48556	mg/L	0.004600	19.4223	mg/kg	0.18400	0.95%
Potassium,7440-09-7†	42197.8	10.3193	mg/L	0.01159	412.773	mg/kg	0.4635	0.11%

171690

Selenium,7782-49-2†	1029.1	0.47645	mg/L	0.003956	19.0582	mg/kg	0.15825	0.83%
Silicon,7440-21-3†	13077.4	1.98147	mg/L	0.004579	79.2588	mg/kg	0.18316	0.23%
Silver,7440-22-4†	198464.1	0.47613	mg/L	0.004610	19.0454	mg/kg	0.18442	0.97%
Sodium,7440-23-5†	187430.9	20.3661	mg/L	0.01737	814.644	mg/kg	0.6948	0.09%
Strontium,7440-24-6†	553252.8	0.50474	mg/L	0.000411	20.1898	mg/kg	0.01643	0.08%
Thallium,7440-28-0†	3318.0	0.49628	mg/L	0.004558	19.8514	mg/kg	0.18232	0.92%
Tin,7440-31-5†	6130.9	0.49438	mg/L	0.004285	19.7752	mg/kg	0.17142	0.87%
Titanium,7440-32-6†	405911.7	0.51262	mg/L	0.002056	20.5046	mg/kg	0.08224	0.40%
Vanadium,7440-62-2†	105107.0	0.49649	mg/L	0.005012	19.8595	mg/kg	0.20048	1.01%
Zinc,7440-66-6†	86388.7	0.50930	mg/L	0.005464	20.3720	mg/kg	0.21855	1.07%
Zirconium,7440-67-7†	1321.2	0.00087	mg/L	0.000295	0.03473	mg/kg	0.011790	33.95%

Sequence No.: 76
Sample ID: 20807104701

Autosampler Location: 69
Date Collected: 7/14/2008 8:38:15 PM
Data Type: Reprocessed on 7/15/2008 9:00:34 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Sample Prep Vol: 50 mL

Mean Data: 20807104701

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	90472.7	80.1216	%	0.16247				0.20%
Ar 420.067 R	3016415.2	88.9902	%	0.12482				0.14%
Scandium-IS	4227631.8	90.9179	%	1.21878				1.34%
Yttrium,7440-65-5A	2201609.8	96.9923	%	1.29187				1.33%
Yttrium,7440-65-5R	348232.1	101.481	%	0.4067				0.40%
Aluminum,7429-90-5†	568731.2	280.846	mg/L	0.4914	11233.9	mg/kg	19.66	0.17%
Antimony,7440-36-0†	146.8	0.03100	mg/L	0.003581	1.23985	mg/kg	0.143253	11.55%
Arsenic,7440-38-2†	195.3	0.01507	mg/L	0.006930	0.60293	mg/kg	0.277188	45.97%
Barium,7440-39-3†	4139818.4	13.7683	mg/L	0.03142	550.734	mg/kg	1.2567	0.23%
Beryllium,7440-41-7†	114402.2	0.01827	mg/L	0.000058	0.73088	mg/kg	0.002313	0.32%
Boron,7440-42-8†	-670.9	-0.03412	mg/L	0.001867	-1.36475	mg/kg	0.074693	5.47%
Cadmium,7440-43-9†	3835.4	-0.00403	mg/L	0.000264	-0.16133	mg/kg	0.010543	6.54%
Calcium,7440-70-2†	9979428.2	741.822	mg/L	3.8008	29672.9	mg/kg	152.03	0.51%
Chromium,7440-47-3†	89248.9	0.34701	mg/L	0.000559	13.8803	mg/kg	0.02236	0.16%
Cobalt,7440-48-4†	11460.5	0.13362	mg/L	0.001988	5.34461	mg/kg	0.079538	1.49%
Copper,7440-50-8†	224421.2	0.50578	mg/L	0.001384	20.2310	mg/kg	0.05536	0.27%
Iron,7439-89-6†	6440637.2	350.941	mg/L	1.8481	14037.6	mg/kg	73.92	0.53%
Lead,7439-92-1†	6604.2	0.42209	mg/L	0.010544	16.8837	mg/kg	0.42175	2.50%
Lithium,7439-93-2†	41174.0	0.42831	mg/L	0.000480	17.1324	mg/kg	0.01920	0.11%
Magnesium,7439-95-4†	579847.2	181.162	mg/L	0.3435	7246.48	mg/kg	13.740	0.19%
Manganese, 7439-96-5†	6740566.2	6.21502	mg/L	0.015032	248.601	mg/kg	0.6013	0.24%
Molybdenum,7439-98-7†	-202.1	0.00540	mg/L	0.001947	0.21599	mg/kg	0.077893	36.06%
Nickel,7440-02-0†	30216.4	0.34900	mg/L	0.007654	13.9600	mg/kg	0.30616	2.19%
Potassium,7440-09-7†	347244.4	84.8807	mg/L	0.08657	3395.23	mg/kg	3.463	0.10%
Selenium,7782-49-2†	-123.1	-0.00708	mg/L	0.009793	-0.28323	mg/kg	0.391707	138.30%
Silicon,7440-21-3†	132024.2	19.9729	mg/L	0.02370	798.918	mg/kg	0.9478	0.12%
Silver,7440-22-4†	-2570.6	0.00100	mg/L	0.000230	0.03998	mg/kg	0.009201	23.02%
Sodium,7440-23-5†	431629.5	46.1956	mg/L	0.06064	1847.83	mg/kg	2.426	0.13%
Strontium,7440-24-6†	1932243.1	1.75999	mg/L	0.008448	70.3996	mg/kg	0.33793	0.48%
Thallium,7440-28-0†	-272.5	-0.01061	mg/L	0.004219	-0.42445	mg/kg	0.168755	39.76%
Tin,7440-31-5†	-2349.8	0.09889	mg/L	0.003120	3.95542	mg/kg	0.124791	3.15%
Titanium,7440-32-6†	403647.0	0.50935	mg/L	0.000972	20.3741	mg/kg	0.03887	0.19%
Vanadium,7440-62-2†	112917.1	0.45332	mg/L	0.001224	18.1328	mg/kg	0.04898	0.27%
Zinc,7440-66-6†	752672.3	4.42839	mg/L	0.015259	177.136	mg/kg	0.6103	0.34%
Zirconium,7440-67-7†	199812.9	0.22902	mg/L	0.000737	9.16086	mg/kg	0.029463	0.32%

Sequence No.: 77
Sample ID: 20807104703

Autosampler Location: 70
Date Collected: 7/14/2008 8:43:43 PM
Data Type: Reprocessed on 7/15/2008 9:00:36 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Sample Prep Vol: 50 mL

Mean Data: 20807104703

Analyte	Mean Corrected	Calib	Sample

171691

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	89939.2	79.6492	%	0.22229				0.28%
Ar 420.067 R	3007943.9	88.7403	%	0.34565				0.39%
Scandium-IS	4275214.0	91.9412	%	0.48858				0.53%
Yttrium,7440-65-5A	2208839.8	97.3108	%	0.47716				0.49%
Yttrium,7440-65-5R	350814.5	102.234	%	1.0981				1.07%
Aluminum,7429-90-5†	840356.4	414.979	mg/L	1.9350	16599.1	mg/kg	77.40	0.47%
Antimony,7440-36-0†	686.4	0.13402	mg/L	0.013740	5.36072	mg/kg	0.549584	10.25%
Arsenic,7440-38-2†	1201.1	0.47852	mg/L	0.009192	19.1406	mg/kg	0.36769	1.92%
Barium,7440-39-3†	3419348.8	11.3715	mg/L	0.01983	454.858	mg/kg	0.7933	0.17%
Beryllium,7440-41-7†	2897598.6	0.46398	mg/L	0.000842	18.5593	mg/kg	0.03369	0.18%
Boron,7440-42-8†	138012.1	1.69091	mg/L	0.002027	67.6365	mg/kg	0.08107	0.12%
Cadmium,7440-43-9†	133080.5	0.41444	mg/L	0.002575	16.5778	mg/kg	0.10300	0.62%
Calcium,7440-70-2†	10387877.9	772.180	mg/L	3.6503	30887.2	mg/kg	146.01	0.47%
Chromium,7440-47-3†	221038.2	0.86670	mg/L	0.001204	34.6679	mg/kg	0.04817	0.14%
Cobalt,7440-48-4†	47746.2	0.57405	mg/L	0.003181	22.9619	mg/kg	0.12725	0.55%
Copper,7440-50-8†	447574.7	0.98948	mg/L	0.002544	39.5791	mg/kg	0.10175	0.26%
Iron,7439-89-6†	6989934.7	380.869	mg/L	1.7232	15234.8	mg/kg	68.93	0.45%
Lead,7439-92-1†	11638.6	0.78886	mg/L	0.007561	31.5544	mg/kg	0.30243	0.96%
Lithium,7439-93-2†	100682.6	1.04588	mg/L	0.003345	41.8353	mg/kg	0.13380	0.32%
Magnesium,7439-95-4†	662725.1	207.059	mg/L	0.9864	8282.34	mg/kg	39.457	0.48%
Manganese, 7439-96-5†	7835045.2	7.22498	mg/L	0.011036	288.999	mg/kg	0.4414	0.15%
Molybdenum,7439-98-7†	7328.6	0.33722	mg/L	0.002639	13.4887	mg/kg	0.10556	0.78%
Nickel,7440-02-0†	65626.8	0.78397	mg/L	0.004650	31.3587	mg/kg	0.18598	0.59%
Potassium,7440-09-7†	487612.7	119.205	mg/L	0.3673	4768.22	mg/kg	14.691	0.31%
Selenium,7782-49-2†	827.9	0.43683	mg/L	0.008311	17.4733	mg/kg	0.33245	1.90%
Silicon,7440-21-3†	138522.3	20.9495	mg/L	0.10282	837.979	mg/kg	4.1127	0.49%
Silver,7440-22-4†	203160.7	0.49513	mg/L	0.001120	19.8052	mg/kg	0.04481	0.23%
Sodium,7440-23-5†	596107.4	64.0145	mg/L	0.33005	2560.58	mg/kg	13.202	0.52%
Strontium,7440-24-6†	2488419.4	2.26798	mg/L	0.008770	90.7192	mg/kg	0.35081	0.39%
Thallium,7440-28-0†	2667.2	0.43243	mg/L	0.001892	17.2971	mg/kg	0.07569	0.44%
Tin,7440-31-5†	2840.0	0.53640	mg/L	0.001478	21.4561	mg/kg	0.05911	0.28%
Titanium,7440-32-6†	845886.1	1.06784	mg/L	0.003441	42.7135	mg/kg	0.13762	0.32%
Vanadium,7440-62-2†	227653.3	0.98989	mg/L	0.001137	39.5954	mg/kg	0.04550	0.11%
Zinc,7440-66-6†	736494.5	4.32518	mg/L	0.005872	173.007	mg/kg	0.2349	0.14%
Zirconium,7440-67-7†	245745.4	0.28347	mg/L	0.000582	11.3390	mg/kg	0.02327	0.21%

Sequence No.: 78
Sample ID: 20807104705

Autosampler Location: 71
Date Collected: 7/14/2008 8:49:14 PM
Data Type: Reprocessed on 7/15/2008 9:00:38 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Sample Prep Vol: 50 mL

Mean Data: 20807104705

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	89819.4	79.5431	%	0.14808				0.19%
Ar 420.067 R	3024929.4	89.2414	%	0.02397				0.03%
Scandium-IS	4242896.2	91.2462	%	0.77900				0.85%
Yttrium,7440-65-5A	2196480.5	96.7663	%	0.81779				0.85%
Yttrium,7440-65-5R	354171.8	103.212	%	1.3480				1.31%
Aluminum,7429-90-5†	825588.5	407.689	mg/L	1.7845	16307.6	mg/kg	71.38	0.44%
Antimony,7440-36-0†	688.9	0.13416	mg/L	0.002343	5.36638	mg/kg	0.093723	1.75%
Arsenic,7440-38-2†	1276.6	0.49856	mg/L	0.011014	19.9422	mg/kg	0.44054	2.21%
Barium,7440-39-3†	3460849.8	11.5099	mg/L	0.04450	460.397	mg/kg	1.7800	0.39%
Beryllium,7440-41-7†	2988284.4	0.47857	mg/L	0.001247	19.1430	mg/kg	0.04987	0.26%
Boron,7440-42-8†	134332.9	1.63531	mg/L	0.007432	65.4125	mg/kg	0.29727	0.45%
Cadmium,7440-43-9†	138239.2	0.42899	mg/L	0.005558	17.1597	mg/kg	0.22230	1.30%
Calcium,7440-70-2†	9682174.8	719.715	mg/L	15.9373	28788.6	mg/kg	637.49	2.21%
Chromium,7440-47-3†	238763.3	0.93719	mg/L	0.005419	37.4874	mg/kg	0.21676	0.58%
Cobalt,7440-48-4†	49786.1	0.59866	mg/L	0.006779	23.9462	mg/kg	0.27117	1.13%
Copper,7440-50-8†	456492.8	1.01279	mg/L	0.001714	40.5116	mg/kg	0.06854	0.17%
Iron,7439-89-6†	7655886.3	417.157	mg/L	9.1360	16686.3	mg/kg	365.44	2.19%
Lead,7439-92-1†	12636.1	0.84654	mg/L	0.013389	33.8617	mg/kg	0.53554	1.58%
Lithium,7439-93-2†	100761.3	1.04676	mg/L	0.003503	41.8705	mg/kg	0.14010	0.33%
Magnesium,7439-95-4†	655246.9	204.724	mg/L	1.1895	8188.95	mg/kg	47.580	0.58%
Manganese, 7439-96-5†	8128856.4	7.49596	mg/L	0.029381	299.838	mg/kg	1.1752	0.39%
Molybdenum,7439-98-7†	7437.1	0.34296	mg/L	0.004069	13.7185	mg/kg	0.16276	1.19%

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Nickel,7440-02-0†	68302.8	0.81454 mg/L	0.008950	32.5815 mg/kg	0.35800	1.10%
Potassium,7440-09-7†	474858.0	116.078 mg/L	0.5994	4643.12 mg/kg	23.977	0.52%
Selenium,7782-49-2†	847.7	0.44963 mg/L	0.003437	17.9852 mg/kg	0.13749	0.76%
Silicon,7440-21-3†	153791.7	23.2705 mg/L	0.13195	930.822 mg/kg	5.2779	0.57%
Silver,7440-22-4†	208945.2	0.51022 mg/L	0.000877	20.4089 mg/kg	0.03508	0.17%
Sodium,7440-23-5†	622599.7	66.8229 mg/L	0.31232	2672.91 mg/kg	12.493	0.47%
Strontium,7440-24-6†	2432813.4	2.22051 mg/L	0.045652	88.8204 mg/kg	1.82609	2.06%
Thallium,7440-28-0†	2741.1	0.44888 mg/L	0.005330	17.9552 mg/kg	0.21319	1.19%
Tin,7440-31-5†	2577.4	0.54285 mg/L	0.009190	21.7140 mg/kg	0.36760	1.69%
Titanium,7440-32-6†	800356.0	1.01025 mg/L	0.001339	40.4101 mg/kg	0.05357	0.13%
Vanadium,7440-62-2†	237092.8	1.02366 mg/L	0.006318	40.9464 mg/kg	0.25274	0.62%
Zinc,7440-66-6†	787378.5	4.62338 mg/L	0.016119	184.935 mg/kg	0.6448	0.35%
Zirconium,7440-67-7†	252934.1	0.29119 mg/L	0.000641	11.6475 mg/kg	0.02564	0.22%

Sequence No.: 79
Sample ID: 625310

Autosampler Location: 72
Date Collected: 7/14/2008 8:54:46 PM
Data Type: Reprocessed on 7/15/2008 9:00:39 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Sample Prep Vol: 50 mL

Mean Data: 625310

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Ar 363.268 A	91303.3	80.8572	%	0.07639				0.09%
Ar 420.067 R	3037282.0	89.6058	%	0.09405				0.10%
Scandium-IS	4269423.1	91.8167	%	0.54454				0.59%
Yttrium,7440-65-5A	2225359.3	98.0386	%	0.55472				0.57%
Yttrium,7440-65-5R	357008.7	104.039	%	1.2901				1.24%
Aluminum,7429-90-5†	563321.7	278.178	mg/L	1.1665	11127.1	mg/kg	46.66	0.42%
Antimony,7440-36-0†	2303.3	0.45741	mg/L	0.010231	18.2965	mg/kg	0.40922	2.24%
Arsenic,7440-38-2†	1166.0	0.45294	mg/L	0.010317	18.1175	mg/kg	0.41268	2.28%
Barium,7440-39-3†	4185770.5	13.9209	mg/L	0.09336	556.836	mg/kg	3.7346	0.67%
Beryllium,7440-41-7†	2674984.4	0.42838	mg/L	0.002487	17.1351	mg/kg	0.09949	0.58%
Boron,7440-42-8†	167080.5	2.05106	mg/L	0.011246	82.0425	mg/kg	0.44983	0.55%
Cadmium,7440-43-9†	123763.4	0.38508	mg/L	0.002420	15.4031	mg/kg	0.09679	0.63%
Calcium,7440-70-2†	9792489.6	727.924	mg/L	2.0692	29117.0	mg/kg	82.77	0.28%
Chromium,7440-47-3†	191000.5	0.75049	mg/L	0.004813	30.0196	mg/kg	0.19251	0.64%
Cobalt,7440-48-4†	44172.3	0.53139	mg/L	0.007106	21.2555	mg/kg	0.28424	1.34%
Copper,7440-50-8†	429630.1	0.94922	mg/L	0.005580	37.9690	mg/kg	0.22319	0.59%
Iron,7439-89-6†	6352725.2	346.151	mg/L	0.9998	13846.0	mg/kg	39.99	0.29%
Lead,7439-92-1†	12304.2	0.81880	mg/L	0.010913	32.7521	mg/kg	0.43652	1.33%
Lithium,7439-93-2†	85787.9	0.89106	mg/L	0.005917	35.6425	mg/kg	0.23667	0.66%
Magnesium,7439-95-4†	581195.2	181.586	mg/L	1.3139	7263.42	mg/kg	52.556	0.72%
Manganese, 7439-96-5†	7066628.6	6.51534	mg/L	0.043261	260.613	mg/kg	1.7304	0.66%
Molybdenum,7439-98-7†	9239.0	0.41957	mg/L	0.005662	16.7826	mg/kg	0.22649	1.35%
Nickel,7440-02-0†	61470.2	0.73459	mg/L	0.009273	29.3834	mg/kg	0.37093	1.26%
Potassium,7440-09-7†	377809.1	92.3562	mg/L	0.50635	3694.25	mg/kg	20.254	0.55%
Selenium,7782-49-2†	852.7	0.44334	mg/L	0.007563	17.7335	mg/kg	0.30252	1.71%
Silicon,7440-21-3†	159728.3	24.1740	mg/L	0.08692	966.961	mg/kg	3.4767	0.36%
Silver,7440-22-4†	186444.2	0.45424	mg/L	0.002461	18.1698	mg/kg	0.09845	0.54%
Sodium,7440-23-5†	583971.7	62.7674	mg/L	0.31152	2510.70	mg/kg	12.461	0.50%
Strontium,7440-24-6†	2357222.8	2.14777	mg/L	0.006095	85.9108	mg/kg	0.24380	0.28%
Thallium,7440-28-0†	2504.6	0.40426	mg/L	0.007444	16.1703	mg/kg	0.29776	1.84%
Tin,7440-31-5†	2708.9	0.49954	mg/L	0.004407	19.9817	mg/kg	0.17628	0.88%
Titanium,7440-32-6†	733530.1	0.92596	mg/L	0.005723	37.0382	mg/kg	0.22893	0.62%
Vanadium,7440-62-2†	202430.8	0.87801	mg/L	0.006183	35.1203	mg/kg	0.24731	0.70%
Zinc,7440-66-6†	812987.3	4.78453	mg/L	0.030551	191.381	mg/kg	1.2221	0.64%
Zirconium,7440-67-7†	197764.8	0.22627	mg/L	0.001983	9.05094	mg/kg	0.079320	0.88%

Sequence No.: 80
Sample ID: 625311

Autosampler Location: 73
Date Collected: 7/14/2008 9:00:21 PM
Data Type: Reprocessed on 7/15/2008 9:00:41 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 5X

Sample Prep Vol: 50 mL

171693

Mean Data: 625311

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	100908.9	89.3639	%	0.40915				0.46%
Ar 420.067 R	3186845.7	94.0182	%	0.15893				0.17%
Scandium-IS	4431813.9	95.3090	%	0.65638				0.69%
Yttrium,7440-65-5A	2175280.8	95.8324	%	0.60632				0.63%
Yttrium,7440-65-5R	342416.9	99.7867	%	1.65634				1.66%
Aluminum,7429-90-5†	136856.7	67.5815	mg/L	0.53702	13516.3	mg/kg	107.40	0.79%
Antimony,7440-36-0†	32.4	0.00693	mg/L	0.000196	1.38664	mg/kg	0.039198	2.83%
Arsenic,7440-38-2†	47.1	0.00195	mg/L	0.000419	0.39088	mg/kg	0.083719	21.42%
Barium,7440-39-3†	1013926.0	3.37215	mg/L	0.067323	674.430	mg/kg	13.4646	2.00%
Beryllium,7440-41-7†	28677.2	0.00459	mg/L	0.000064	0.91789	mg/kg	0.012851	1.40%
Boron,7440-42-8†	982.2	0.00521	mg/L	0.002735	1.04153	mg/kg	0.547025	52.52%
Cadmium,7440-43-9†	878.5	-0.00136	mg/L	0.000122	-0.27171	mg/kg	0.024345	8.96%
Calcium,7440-70-2†	2499804.7	185.823	mg/L	3.7805	37164.7	mg/kg	756.11	2.03%
Chromium,7440-47-3†	21697.5	0.08437	mg/L	0.001602	16.8748	mg/kg	0.32043	1.90%
Cobalt,7440-48-4†	2762.5	0.03217	mg/L	0.000724	6.43319	mg/kg	0.144758	2.25%
Copper,7440-50-8†	51699.7	0.11709	mg/L	0.001629	23.4179	mg/kg	0.32574	1.39%
Iron,7439-89-6†	1634566.8	89.0653	mg/L	1.78906	17813.1	mg/kg	357.81	2.01%
Lead,7439-92-1†	1624.3	0.10285	mg/L	0.002853	20.5704	mg/kg	0.57061	2.77%
Lithium,7439-93-2†	9501.9	0.09886	mg/L	0.001329	19.7730	mg/kg	0.26583	1.34%
Magnesium,7439-95-4†	144036.3	45.0010	mg/L	0.38974	9000.19	mg/kg	77.948	0.87%
Manganese, 7439-96-5†	1632230.8	1.50497	mg/L	0.029994	300.995	mg/kg	5.9988	1.99%
Molybdenum,7439-98-7†	-36.3	0.00201	mg/L	0.000601	0.40201	mg/kg	0.120155	29.89%
Nickel,7440-02-0†	7374.9	0.08495	mg/L	0.001783	16.9904	mg/kg	0.35653	2.10%
Potassium,7440-09-7†	81820.7	19.9994	mg/L	0.20730	3999.88	mg/kg	41.460	1.04%
Selenium,7782-49-2†	-23.7	0.00164	mg/L	0.004333	0.32803	mg/kg	0.866539	264.16%
Silicon,7440-21-3†	31649.6	4.78778	mg/L	0.045664	957.555	mg/kg	9.1329	0.95%
Silver,7440-22-4†	-371.6	0.00094	mg/L	0.000359	0.18739	mg/kg	0.071745	38.29%
Sodium,7440-23-5†	105384.7	11.2720	mg/L	0.08442	2254.39	mg/kg	16.885	0.75%
Strontium,7440-24-6†	471771.6	0.42976	mg/L	0.008643	85.9513	mg/kg	1.72863	2.01%
Thallium,7440-28-0†	-41.0	0.00130	mg/L	0.002016	0.25984	mg/kg	0.403122	155.14%
Tin,7440-31-5†	-759.2	0.01206	mg/L	0.001261	2.41289	mg/kg	0.252235	10.45%
Titanium,7440-32-6†	96962.2	0.12235	mg/L	0.002227	24.4703	mg/kg	0.44544	1.82%
Vanadium,7440-62-2†	25250.6	0.09894	mg/L	0.001572	19.7882	mg/kg	0.31431	1.59%
Zinc,7440-66-6†	177038.0	1.04086	mg/L	0.016007	208.172	mg/kg	3.2015	1.54%
Zirconium,7440-67-7†	47663.4	0.05441	mg/L	0.000799	10.8824	mg/kg	0.15986	1.47%

Sequence No.: 81
Sample ID: 20807104707

Autosampler Location: 74
Date Collected: 7/14/2008 9:06:29 PM
Data Type: Reprocessed on 7/15/2008 9:00:43 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Sample Prep Vol: 50 mL

Mean Data: 20807104707

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	104769.2	92.7824	%	0.20262				0.22%
Ar 420.067 R	3270415.1	96.4837	%	0.06438				0.07%
Scandium-IS	4445679.0	95.6072	%	0.22025				0.23%
Yttrium,7440-65-5A	2291569.6	100.956	%	0.2036				0.20%
Yttrium,7440-65-5R	356424.5	103.869	%	0.8416				0.81%
Aluminum,7429-90-5†	436011.2	215.310	mg/L	0.4464	8612.39	mg/kg	17.855	0.21%
Antimony,7440-36-0†	55.6	0.01091	mg/L	0.002870	0.43647	mg/kg	0.114794	26.30%
Arsenic,7440-38-2†	41.0	-0.00724	mg/L	0.000913	-0.28969	mg/kg	0.036502	12.60%
Barium,7440-39-3†	197419.3	0.65710	mg/L	0.005921	26.2842	mg/kg	0.23682	0.90%
Beryllium,7440-41-7†	90498.0	0.01431	mg/L	0.000126	0.57257	mg/kg	0.005021	0.88%
Boron,7440-42-8†	19780.2	0.22506	mg/L	0.003032	9.00223	mg/kg	0.121262	1.35%
Cadmium,7440-43-9†	864.6	-0.00544	mg/L	0.000079	-0.21769	mg/kg	0.003140	1.44%
Calcium,7440-70-2†	586693.0	43.5938	mg/L	0.05243	1743.75	mg/kg	2.097	0.12%
Chromium,7440-47-3†	65127.5	0.25350	mg/L	0.002648	10.1398	mg/kg	0.10593	1.04%
Cobalt,7440-48-4†	6494.4	0.07550	mg/L	0.000318	3.02010	mg/kg	0.012736	0.42%
Copper,7440-50-8†	123305.5	0.27755	mg/L	0.002931	11.1021	mg/kg	0.11723	1.06%
Iron,7439-89-6†	3235272.0	176.283	mg/L	1.0994	7051.32	mg/kg	43.978	0.62%
Lead,7439-92-1†	3116.5	0.20863	mg/L	0.002579	8.34534	mg/kg	0.103157	1.24%
Lithium,7439-93-2†	26103.9	0.27153	mg/L	0.000437	10.8613	mg/kg	0.01747	0.16%
Magnesium,7439-95-4†	375632.8	117.355	mg/L	0.2031	4694.20	mg/kg	8.124	0.17%

171694

Manganese, 7439-96-5†	2194289.5	2.02465 mg/L	0.005620	80.9859 mg/kg	0.22478	0.28%
Molybdenum,7439-98-7†	-88.7	0.00239 mg/L	0.000973	0.09564 mg/kg	0.038920	40.70%
Nickel,7440-02-0†	20357.6	0.23952 mg/L	0.000815	9.58076 mg/kg	0.032593	0.34%
Potassium,7440-09-7†	346547.0	84.7254 mg/L	0.23749	3389.02 mg/kg	9.500	0.28%
Selenium,7782-49-2†	-48.5	-0.00044 mg/L	0.001521	-0.01768 mg/kg	0.060828	344.10%
Silicon,7440-21-3†	143177.8	21.6835 mg/L	0.05697	867.339 mg/kg	2.2787	0.26%
Silver,7440-22-4†	-2001.8	-0.00007 mg/L	0.000020	-0.00274 mg/kg	0.000802	29.25%
Sodium,7440-23-5†	1128049.6	122.274 mg/L	0.9081	4890.95 mg/kg	36.324	0.74%
Strontium,7440-24-6†	742321.4	0.68483 mg/L	0.001356	27.3931 mg/kg	0.05423	0.20%
Thallium,7440-28-0†	-177.7	-0.00079 mg/L	0.000911	-0.03177 mg/kg	0.036445	114.70%
Tin,7440-31-5†	-948.5	0.06065 mg/L	0.000926	2.42584 mg/kg	0.037053	1.53%
Titanium,7440-32-6†	400706.4	0.50592 mg/L	0.002363	20.2368 mg/kg	0.09452	0.47%
Vanadium,7440-62-2†	78641.1	0.33541 mg/L	0.003327	13.4165 mg/kg	0.13310	0.99%
Zinc,7440-66-6†	145421.1	0.84072 mg/L	0.009247	33.6288 mg/kg	0.36989	1.10%
Zirconium,7440-67-7†	166162.1	0.19641 mg/L	0.002001	7.85658 mg/kg	0.080032	1.02%

Sequence No.: 82
Sample ID: 20807104709

Autosampler Location: 75
Date Collected: 7/14/2008 9:12:35 PM
Data Type: Reprocessed on 7/15/2008 9:00:45 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Sample Prep Vol: 50 mL

Mean Data: 20807104709

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	104951.9	92.9442	%	0.30634				0.33%
Ar 420.067 R	3258365.1	96.1282	%	0.15997				0.17%
Scandium-IS	4410444.6	94.8494	%	0.91922				0.97%
Yttrium,7440-65-5A	2316030.2	102.033	%	1.0079				0.99%
Yttrium,7440-65-5R	364418.1	106.198	%	0.2767				0.26%
Aluminum,7429-90-5†	478725.3	236.404	mg/L	1.1577	9381.13	mg/kg	45.942	0.49%
Antimony,7440-36-0†	92.3	0.01865	mg/L	0.005301	0.73998	mg/kg	0.210340	28.43%
Arsenic,7440-38-2†	58.1	-0.01367	mg/L	0.001826	-0.54240	mg/kg	0.072457	13.36%
Barium,7440-39-3†	340069.8	1.13190	mg/L	0.000943	44.9166	mg/kg	0.03743	0.08%
Beryllium,7440-41-7†	108204.5	0.01743	mg/L	0.000051	0.69164	mg/kg	0.002018	0.29%
Boron,7440-42-8†	3501.6	0.01247	mg/L	0.002030	0.49489	mg/kg	0.080543	16.28%
Cadmium,7440-43-9†	2460.8	-0.00265	mg/L	0.000227	-0.10510	mg/kg	0.008992	8.56%
Calcium,7440-70-2†	398207.1	29.5776	mg/L	0.15091	1173.71	mg/kg	5.989	0.51%
Chromium,7440-47-3†	70691.5	0.27517	mg/L	0.000445	10.9195	mg/kg	0.01768	0.16%
Cobalt,7440-48-4†	8559.2	0.10106	mg/L	0.001321	4.01021	mg/kg	0.052439	1.31%
Copper,7440-50-8†	112116.9	0.25704	mg/L	0.001007	10.2001	mg/kg	0.03995	0.39%
Iron,7439-89-6†	4061112.4	221.282	mg/L	5.0879	8781.04	mg/kg	201.900	2.30%
Lead,7439-92-1†	2920.6	0.18636	mg/L	0.001903	7.39543	mg/kg	0.075521	1.02%
Lithium,7439-93-2†	33867.1	0.35220	mg/L	0.003400	13.9764	mg/kg	0.13494	0.97%
Magnesium,7439-95-4†	437404.5	136.649	mg/L	0.8329	5422.57	mg/kg	33.051	0.61%
Manganese, 7439-96-5†	1837417.6	1.69627	mg/L	0.002365	67.3125	mg/kg	0.09386	0.14%
Molybdenum,7439-98-7†	-218.9	-0.00187	mg/L	0.002412	-0.07422	mg/kg	0.095706	128.95%
Nickel,7440-02-0†	25396.2	0.29888	mg/L	0.004096	11.8602	mg/kg	0.16255	1.37%
Potassium,7440-09-7†	320390.0	78.3188	mg/L	0.56430	3107.89	mg/kg	22.393	0.72%
Selenium,7782-49-2†	-69.6	-0.00525	mg/L	0.002914	-0.20840	mg/kg	0.115622	55.48%
Silicon,7440-21-3†	34726.7	5.23194	mg/L	0.022869	207.617	mg/kg	0.9075	0.44%
Silver,7440-22-4†	-2878.9	-0.00085	mg/L	0.000461	-0.03368	mg/kg	0.018277	54.26%
Sodium,7440-23-5†	1198757.6	129.869	mg/L	2.6879	5153.55	mg/kg	106.662	2.07%
Strontium,7440-24-6†	476100.1	0.44461	mg/L	0.009337	17.6432	mg/kg	0.37053	2.10%
Thallium,7440-28-0†	-174.7	0.00186	mg/L	0.002327	0.07401	mg/kg	0.092334	124.76%
Tin,7440-31-5†	-1341.7	0.06392	mg/L	0.003161	2.53659	mg/kg	0.125427	4.94%
Titanium,7440-32-6†	107382.5	0.13532	mg/L	0.000432	5.36970	mg/kg	0.017146	0.32%
Vanadium,7440-62-2†	58353.5	0.23067	mg/L	0.001244	9.15349	mg/kg	0.049384	0.54%
Zinc,7440-66-6†	130006.0	0.74379	mg/L	0.001203	29.5156	mg/kg	0.04773	0.16%
Zirconium,7440-67-7†	75803.8	0.08450	mg/L	0.000120	3.35330	mg/kg	0.004762	0.14%

Sequence No.: 83
Sample ID: 20807104711

Autosampler Location: 76
Date Collected: 7/14/2008 9:17:54 PM
Data Type: Reprocessed on 7/15/2008 9:00:46 AM

Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Sample Prep Vol: 50 mL

171695

Mean Data: 20807104711

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	92736.0	82.1260	%	0.12671				0.15%
Ar 420.067 R	3070002.5	90.5711	%	0.18078				0.20%
Scandium-IS	4225120.4	90.8639	%	1.28407				1.41%
Yttrium,7440-65-5A	2181955.3	96.1264	%	1.20706				1.26%
Yttrium,7440-65-5R	347322.7	101.216	%	0.9349				0.92%
Aluminum,7429-90-5†	585743.4	289.244	mg/L	0.4595	11569.7	mg/kg	18.38	0.16%
Antimony,7440-36-0†	106.9	0.02295	mg/L	0.004196	0.91819	mg/kg	0.167855	18.28%
Arsenic,7440-38-2†	163.8	0.01719	mg/L	0.007623	0.68765	mg/kg	0.304928	44.34%
Barium,7440-39-3†	636326.2	2.11550	mg/L	0.018995	84.6199	mg/kg	0.75981	0.90%
Beryllium,7440-41-7†	106055.8	0.01681	mg/L	0.000148	0.67256	mg/kg	0.005901	0.88%
Boron,7440-42-8†	9768.8	0.10411	mg/L	0.003288	4.16432	mg/kg	0.131505	3.16%
Cadmium,7440-43-9†	2196.7	-0.00702	mg/L	0.000227	-0.28081	mg/kg	0.009093	3.24%
Calcium,7440-70-2†	7631922.8	567.316	mg/L	5.6278	22692.6	mg/kg	225.11	0.99%
Chromium,7440-47-3†	80192.7	0.31047	mg/L	0.003253	12.4186	mg/kg	0.13010	1.05%
Cobalt,7440-48-4†	11397.5	0.13310	mg/L	0.001269	5.32381	mg/kg	0.050757	0.95%
Copper,7440-50-8†	111387.7	0.25688	mg/L	0.001998	10.2751	mg/kg	0.07991	0.78%
Iron,7439-89-6†	5617831.9	306.107	mg/L	3.2998	12244.3	mg/kg	131.99	1.08%
Lead,7439-92-1†	2757.4	0.16654	mg/L	0.001715	6.66175	mg/kg	0.068607	1.03%
Lithium,7439-93-2†	40567.8	0.42191	mg/L	0.002465	16.8764	mg/kg	0.09859	0.58%
Magnesium,7439-95-4†	580282.9	181.314	mg/L	0.8350	7252.56	mg/kg	33.398	0.46%
Manganese, 7439-96-5†	8296504.4	7.64901	mg/L	0.069688	305.960	mg/kg	2.7875	0.91%
Molybdenum,7439-98-7†	-304.6	-0.00089	mg/L	0.001020	-0.03542	mg/kg	0.040819	115.23%
Nickel,7440-02-0†	26594.1	0.30709	mg/L	0.002899	12.2836	mg/kg	0.11595	0.94%
Potassium,7440-09-7†	357530.2	87.3984	mg/L	0.21184	3495.93	mg/kg	8.474	0.24%
Selenium,7782-49-2†	-109.1	-0.00684	mg/L	0.003284	-0.27373	mg/kg	0.131347	47.98%
Silicon,7440-21-3†	145823.1	22.0633	mg/L	0.03983	882.531	mg/kg	1.5931	0.18%
Silver,7440-22-4†	-2630.5	-0.00029	mg/L	0.000327	-0.01164	mg/kg	0.013078	112.35%
Sodium,7440-23-5†	1075496.3	116.287	mg/L	0.1967	4651.48	mg/kg	7.869	0.17%
Strontium,7440-24-6†	1369145.8	1.24884	mg/L	0.002894	49.9536	mg/kg	0.11576	0.23%
Thallium,7440-28-0†	-217.5	-0.00411	mg/L	0.002944	-0.16441	mg/kg	0.117744	71.62%
Tin,7440-31-5†	-2176.0	0.07414	mg/L	0.004758	2.96562	mg/kg	0.190325	6.42%
Titanium,7440-32-6†	517440.3	0.65320	mg/L	0.005870	26.1278	mg/kg	0.23481	0.90%
Vanadium,7440-62-2†	103892.8	0.42394	mg/L	0.005057	16.9578	mg/kg	0.20226	1.19%
Zinc,7440-66-6†	142629.8	0.80754	mg/L	0.006351	32.3017	mg/kg	0.25403	0.79%
Zirconium,7440-67-7†	115024.1	0.12728	mg/L	0.001315	5.09121	mg/kg	0.052590	1.03%

Sequence No.: 84 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 7/14/2008 9:23:16 PM**
Data Type: Reprocessed on 7/15/2008 9:00:48 AM

Logged In Analyst (Original) : met

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	108709.2	96.2717	%	0.17390				0.18%
Ar 420.067 R	3280412.4	96.7786	%	0.24963				0.26%
Scandium-IS	4610577.0	99.1534	%	1.05202				1.06%
Yttrium,7440-65-5A	2229368.1	98.2152	%	1.05627				1.08%
Yttrium,7440-65-5R	336846.0	98.1632	%	1.14769				1.17%
Aluminum,7429-90-5†	10682.7	5.27844	mg/L	0.086634	5.27844	mg/L	0.086634	1.64%
QC value within limits for Aluminum,7429-90-5 Recovery = 105.57%								
Antimony,7440-36-0†	2383.0	0.47093	mg/L	0.007532	0.47093	mg/L	0.007532	1.60%
QC value within limits for Antimony,7440-36-0 Recovery = 94.19%								
Arsenic,7440-38-2†	1022.9	0.45968	mg/L	0.005143	0.45968	mg/L	0.005143	1.12%
QC value within limits for Arsenic,7440-38-2 Recovery = 91.94%								
Barium,7440-39-3†	148137.2	0.49238	mg/L	0.005241	0.49238	mg/L	0.005241	1.06%
QC value within limits for Barium,7440-39-3 Recovery = 98.48%								
Beryllium,7440-41-7†	3003548.7	0.48106	mg/L	0.001230	0.48106	mg/L	0.001230	0.26%
QC value within limits for Beryllium,7440-41-7 Recovery = 96.21%								
Boron,7440-42-8†	190383.0	2.36559	mg/L	0.028399	2.36559	mg/L	0.028399	1.20%
QC value within limits for Boron,7440-42-8 Recovery = 94.62%								
Cadmium,7440-43-9†	145491.6	0.47156	mg/L	0.005260	0.47156	mg/L	0.005260	1.12%
QC value within limits for Cadmium,7440-43-9 Recovery = 94.31%								
Calcium,7440-70-2†	71460.8	5.30965	mg/L	0.121243	5.30965	mg/L	0.121243	2.28%

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QC value within limits for Calcium,7440-70-2 Recovery = 106.19%

Chromium,7440-47-3†	123113.8	0.48799 mg/L	0.004469	0.48799 mg/L	0.004469	0.92%

QC value within limits for Chromium,7440-47-3 Recovery = 97.60%

Cobalt,7440-48-4†	39577.4	0.48117 mg/L	0.005711	0.48117 mg/L	0.005711	1.19%

QC value within limits for Cobalt,7440-48-4 Recovery = 96.23%

Copper,7440-50-8†	226196.7	0.48945 mg/L	0.005025	0.48945 mg/L	0.005025	1.03%

QC value within limits for Copper,7440-50-8 Recovery = 97.89%

Iron,7439-89-6†	93161.1	5.07595 mg/L	0.111770	5.07595 mg/L	0.111770	2.20%

QC value within limits for Iron,7439-89-6 Recovery = 101.52%

Lead,7439-92-1†	6796.5	0.47211 mg/L	0.006922	0.47211 mg/L	0.006922	1.47%

QC value within limits for Lead,7439-92-1 Recovery = 94.42%

Lithium,7439-93-2†	46825.1	0.48572 mg/L	0.001062	0.48572 mg/L	0.001062	0.22%

QC value within limits for Lithium,7439-93-2 Recovery = 97.14%

Magnesium,7439-95-4†	15819.6	4.94505 mg/L	0.094226	4.94505 mg/L	0.094226	1.91%

QC value within limits for Magnesium,7439-95-4 Recovery = 98.90%

Manganese, 7439-96-5†	536898.6	0.49468 mg/L	0.004835	0.49468 mg/L	0.004835	0.98%

QC value within limits for Manganese, 7439-96-5 Recovery = 98.94%

Molybdenum,7439-98-7†	10924.2	0.47965 mg/L	0.006974	0.47965 mg/L	0.006974	1.45%

QC value within limits for Molybdenum,7439-98-7 Recovery = 95.93%

Nickel,7440-02-0†	39370.9	0.48502 mg/L	0.005693	0.48502 mg/L	0.005693	1.17%

QC value within limits for Nickel,7440-02-0 Recovery = 97.00%

Potassium,7440-09-7†	42215.3	10.3236 mg/L	0.16290	10.3236 mg/L	0.16290	1.58%

QC value within limits for Potassium,7440-09-7 Recovery = 103.24%

Selenium,7782-49-2†	1022.2	0.47329 mg/L	0.006287	0.47329 mg/L	0.006287	1.33%

QC value within limits for Selenium,7782-49-2 Recovery = 94.66%

Silicon,7440-21-3†	32943.0	4.99444 mg/L	0.083989	4.99444 mg/L	0.083989	1.68%

QC value within limits for Silicon,7440-21-3 Recovery = 99.89%

Silver,7440-22-4†	205404.4	0.49277 mg/L	0.005067	0.49277 mg/L	0.005067	1.03%

QC value within limits for Silver,7440-22-4 Recovery = 98.55%

Sodium,7440-23-5†	188920.4	20.5278 mg/L	0.08563	20.5278 mg/L	0.08563	0.42%

QC value within limits for Sodium,7440-23-5 Recovery = 102.64%

Strontium,7440-24-6†	560908.7	0.51175 mg/L	0.002275	0.51175 mg/L	0.002275	0.44%

QC value within limits for Strontium,7440-24-6 Recovery = 102.35%

Thallium,7440-28-0†	3276.6	0.49013 mg/L	0.006574	0.49013 mg/L	0.006574	1.34%

QC value within limits for Thallium,7440-28-0 Recovery = 98.03%

Tin,7440-31-5†	5852.3	0.47216 mg/L	0.006432	0.47216 mg/L	0.006432	1.36%

QC value within limits for Tin,7440-31-5 Recovery = 94.43%

Titanium,7440-32-6†	398666.4	0.50346 mg/L	0.000341	0.50346 mg/L	0.000341	0.07%

QC value within limits for Titanium,7440-32-6 Recovery = 100.69%

Vanadium,7440-62-2†	104357.3	0.49293 mg/L	0.005911	0.49293 mg/L	0.005911	1.20%

QC value within limits for Vanadium,7440-62-2 Recovery = 98.59%

Zinc,7440-66-6†	82987.1	0.48908 mg/L	0.005046	0.48908 mg/L	0.005046	1.03%

QC value within limits for Zinc,7440-66-6 Recovery = 97.82%

Zirconium,7440-67-7†	409909.3	0.50104 mg/L	0.005670	0.50104 mg/L	0.005670	1.13%

QC value within limits for Zirconium,7440-67-7 Recovery = 100.21%

All analyte(s) passed QC.

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Sequence No.: 85 **Autosampler Location: 1**

Sample ID: 1900 **Date Collected: 7/14/2008 9:29:20 PM**

Data Type: Reprocessed on 7/15/2008 9:00:50 AM

Logged In Analyst (Original) : met

Mean Data: 1900

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	109870.6	97.3002	%	0.22435				0.23%
Ar 420.067 R	3291445.8	97.1041	%	0.19888				0.20%
Scandium-IS	4657818.7	100.169	%	1.2021				1.20%
Yttrium,7440-65-5A	2293117.7	101.024	%	1.2250				1.21%
Yttrium,7440-65-5R	343777.4	100.183	%	0.7242				0.72%
Aluminum,7429-90-5†	13.7	0.00677	mg/L	0.015296	0.00677	mg/L	0.015296	226.05%

QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated

Antimony,7440-36-0†	-3.6	-0.00072	mg/L	0.002275	-0.00072	mg/L	0.002275	314.76%

QC value within limits for Antimony,7440-36-0 Recovery = Not calculated

Arsenic,7440-38-2†	-3.1	-0.00140	mg/L	0.000668	-0.00140	mg/L	0.000668	47.70%

QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated

Barium,7440-39-3†	240.0	0.00080	mg/L	0.000119	0.00080	mg/L	0.000119	14.91%

QC value greater than the upper limit for Barium,7440-39-3 Recovery = Not calculated

Beryllium,7440-41-7†	1512.8	0.00024	mg/L	0.000020	0.00024	mg/L	0.000020	8.22%

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QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated
Boron,7440-42-8† 222.7 0.00276 mg/L 0.002544 0.00276 mg/L 0.002544 92.33%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated
Cadmium,7440-43-9† 29.0 0.00009 mg/L 0.000020 0.00009 mg/L 0.000020 20.96%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated
Calcium,7440-70-2† 213.4 0.01586 mg/L 0.017127 0.01586 mg/L 0.017127 107.96%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated
Chromium,7440-47-3† 19.9 0.00008 mg/L 0.000053 0.00008 mg/L 0.000053 68.83%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated
Cobalt,7440-48-4† 14.8 0.00018 mg/L 0.000099 0.00018 mg/L 0.000099 54.59%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated
Copper,7440-50-8† -928.3 -0.00201 mg/L 0.000111 -0.00201 mg/L 0.000111 5.52%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated
Iron,7439-89-6† 588.0 0.03204 mg/L 0.015120 0.03204 mg/L 0.015120 47.19%
QC value greater than the upper limit for Iron,7439-89-6 Recovery = Not calculated
Lead,7439-92-1† -7.5 -0.00052 mg/L 0.000729 -0.00052 mg/L 0.000729 141.26%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated
Lithium,7439-93-2† -104.5 -0.00108 mg/L 0.000735 -0.00108 mg/L 0.000735 67.82%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated
Magnesium,7439-95-4† 59.5 0.01860 mg/L 0.011945 0.01860 mg/L 0.011945 64.23%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated
Manganese, 7439-96-5† 467.7 0.00043 mg/L 0.000044 0.00043 mg/L 0.000044 10.23%
QC value within limits for Manganese, 7439-96-5 Recovery = Not calculated
Molybdenum,7439-98-7† 26.2 0.00115 mg/L 0.000314 0.00115 mg/L 0.000314 27.29%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated
Nickel,7440-02-0† -23.0 -0.00029 mg/L 0.000330 -0.00029 mg/L 0.000330 115.45%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated
Potassium,7440-09-7† 563.7 0.13788 mg/L 0.012209 0.13788 mg/L 0.012209 8.85%
QC value greater than the upper limit for Potassium,7440-09-7 Recovery = Not calculated
Selenium,7782-49-2† -2.8 -0.00129 mg/L 0.001453 -0.00129 mg/L 0.001453 112.41%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated
Silicon,7440-21-3† 53.7 0.00813 mg/L 0.003182 0.00813 mg/L 0.003182 39.11%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated
Silver,7440-22-4† 264.0 0.00063 mg/L 0.000336 0.00063 mg/L 0.000336 53.05%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated
Sodium,7440-23-5† 3072.3 0.33393 mg/L 0.011846 0.33393 mg/L 0.011846 3.55%
QC value greater than the upper limit for Sodium,7440-23-5 Recovery = Not calculated
Strontium,7440-24-6† 260.5 0.00024 mg/L 0.000087 0.00024 mg/L 0.000087 36.41%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated
Thallium,7440-28-0† 10.4 0.00152 mg/L 0.000613 0.00152 mg/L 0.000613 40.37%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated
Tin,7440-31-5† -13.9 -0.00109 mg/L 0.000490 -0.00109 mg/L 0.000490 45.04%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated
Titanium,7440-32-6† 265.4 0.00034 mg/L 0.000098 0.00034 mg/L 0.000098 29.18%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated
Vanadium,7440-62-2† -311.4 -0.00147 mg/L 0.000333 -0.00147 mg/L 0.000333 22.73%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated
Zinc,7440-66-6† 629.7 0.00374 mg/L 0.000304 0.00374 mg/L 0.000304 8.13%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated
Zirconium,7440-67-7† -126.2 -0.00016 mg/L 0.000148 -0.00016 mg/L 0.000148 95.31%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
QC Failed. Continue with analysis.

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Sequence No.: 86 **Autosampler Location: 77**
Sample ID: 621689 **Date Collected: 7/14/2008 9:36:15 PM**
Data Type: Reprocessed on 7/15/2008 9:00:52 AM

Logged In Analyst (Original) : met
Dilution: 1X

Mean Data: 621689

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	110993.7	98.2948	%	0.26935				0.27%
Ar 420.067 R	3325423.6	98.1065	%	0.05998				0.06%
Scandium-IS	4756368.4	102.289	%	1.3617				1.33%
Yttrium,7440-65-5A	2331953.2	102.735	%	1.3235				1.29%
Yttrium,7440-65-5R	348841.5	101.659	%	0.4965				0.49%
Aluminum,7429-90-5†	-19.5	-0.00967	mg/L	0.003326	-0.00967	mg/L	0.003326	34.40%
Antimony,7440-36-0†	-10.8	-0.00215	mg/L	0.000126	-0.00215	mg/L	0.000126	5.87%

ICP SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	7-11-08 1320 | 1800	BATCH NO:	392477
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 392477 [DIGM/18604]	624022	1.25	50		HNO3 336-91-13
2	QC ACCOUNT	LCS for HBN 392477 [DIGM/18604	624023	1.25			
3	4482	4WSED3 (0-0.5)A	20807104701	1.25			HCL 336-91-11
4	4482	4WSED3 (0-0.5)MS A	20807104703	1.25			
5	4482	4WSED3 (0-0.5)MSD A	20807104705	1.25			H2O2 334-90-6
6	4482	4WSED2 (0-0.5)A	20807104707	1.25			
7	4482	SWSED8 (1-2) A	20807104709	1.26			
8	4482	SWSED10 (1-2) A	20807104711	1.25	↓		
9							
10							
11							
12							
13							
14							
15							
16							
17							SPIKING SOLUTIONS (LCS/MS)
18							
19							GCALI-1 - 250uL 336-89-2
20							
21							GCALI-2 - 250uL 336-89-3
22							
23							ORGANOMETALLIC ICP SPIKE 0.025g
24							
25							
26							
27							
28							

COMMENTS:

BLOCK ID	TECHNICIAN	DATE
A2 336509	JCL	7-11-08
REPIPET BOTTLES VERIFIED	REVIEW	DATE
JH	CLB	7/14/08

171699

ICP SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	7-11-08 1300/1800	BATCH NO:	392525
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 392525 [DIGM/18615]	624290	1.25	50		HNO3
2	QC ACCOUNT	LCS for HBN 392525 [DIGM/18615	624291	1.25			334-91-13
3	4482	4WSED3 (0-0.5)B	20807104702	1.25			HCL
4	4482	4WSED3 (0-0.5)MS B	20807104704	1.25			334-91-11
5	4482	4WSED3 (0-0.5)MSD B	20807104706	1.25			H2O2
6	4482	4WSED2 (0-0.5)B	20807104708	1.25			334-90-6
7	4482	SWSED8 (1-2) B	20807104710	1.25			
8	4482	SWSED10 (1-2) B	20807104712	1.25	↓		
9							
10							
11							
12							
13							
14							
15							
16							
17							SPIKING SOLUTIONS (LCS/MS)
18							
19							GCALI-1 - 250uL
20							334-89-2
21							GCALI-2 - 250uL
22							334-89-3
23							ORGANOMETALLIC ICP SPIKE 0.025g
24							
25							
26							
27							
28							

COMMENTS:

BLOCK ID	TECHNICIAN	DATE
AZ 334-5-08	JRL	7/11/08
REPIPET BOTTLES VERIFIED	REVIEW	DATE
JRL	CLB	7/11/08

TOTAL SOLIDS AND MOISTURE ANALYSIS FOR DRY WEIGHT CORRECTION								
OVEN ID:								
HBN	375028	375748		ANALYST:	JEM		DATE:	6/6/2008
SOLI	10708	10711		REVIEW:	BAT 6/9/08		TIME:	15:20:00
Sample ID	Part ID	Part Mass (g)	Initial Mass (g) (Sample & Part)	Final Mass (g) (Sample & Part)	Initial Mass (g) Less Part	Final Mass (g) Less Part	% Moisture in Sample	% Solids in Sample
20806050801	50	0.9897	11.6185	8.7199	10.6288	7.7302	27.27	72.73
20806050802	51	1.0201	10.5942	9.3786	9.5741	8.3585	12.70	87.30
20806050803	52	1.0297	10.2870	9.5513	9.2573	8.5216	7.95	92.05
20806050804	53	0.9771	11.3617	10.1649	10.3846	9.1878	11.52	88.48
20806052201	54	1.0060	10.9016	10.8585	9.8956	9.8525	0.44	99.56
20806052202	55	1.0221	11.0062	10.9195	9.9841	9.8974	0.87	99.13
20806052203	56	1.0308	12.0127	11.9803	10.9819	10.9495	0.30	99.70
20806052204	57	1.0182	11.0066	8.5064	9.9884	7.4882	25.03	74.97
20806052205	58	0.9776	11.7385	10.2115	10.7609	9.2339	14.19	85.81
20806052206	58	0.9776	11.7385	10.2115	10.7609	9.2339	14.19	85.81
20806052207	58	0.9776	11.7385	10.2115	10.7609	9.2339	14.19	85.81
20806052208	61	1.0015	11.7797	8.1916	10.7782	7.1901	33.29	66.71
20806052209	62	0.9962	11.2415	7.8867	10.2453	6.8905	32.74	67.26
20806052210	63	1.0358	11.7727	8.9380	10.7369	7.9022	26.40	73.60
20806052211	64	1.0338	11.1255	9.1583	10.0917	8.1245	19.49	80.51
20806054603	65	1.0046	11.6212	11.1311	10.6166	10.1265	4.62	95.38
TS % = (Final Sample Mass x 100) / Initial Sample Mass								
TM % = 100-TS%								
Balance ID: Metler AX504								

PBW/4482/20807/0417/

CHAIN-OF-CUSTODY RECORD AND REQUEST FOR ANALYSIS

PASTOR, BEHLING & WHEELER, LLC

COC No. 001030

PROJECT NO.: 1352J4 PROJECT NAME: GHCo PAGE: 1 OF: 2

SAMPLER (Signature): [signature] PROJECT MANAGER: Eric Pastor DATE: 6/4/08

METHOD OF SHIPMENT: Fed Ex CARRIER/WAYBILL NO.: — DESTINATION: GCAL

Lab No.	Field Sample Identification	DATE	TIME	Matrix	HCl	HNO3	H2SO4	COLD	FILTRATION	VOLUME (ml/oz)	TYPE	NO	Constituents/Methods: See attached list				HOLD	RUSH	STANDARD	Remarks	
	SHELL 1	6/4/08	1010	OT				✓		2	G	1						✓		See attached list	1
	SHELL 2		1015	↓				✓		2		1						✓			2
	SHELL 3		1020	↓				✓		2		1						✓			3
	4 WSED 1		1040	SE				✓		2		1						✓			4
	4 WSED 3 (0-0.5)		1200	SE				✓		V		9		1	2	3	4	5		MS/MSD	5, 6, 7
	4 WSED 2 (0-0.5)		1245					✓		V		3			7	8		✓			8
	SE600							✓		V		3						✓			9
	3 W SED 8 (1-2)		1345					✓		V		3		9	10			✓			10

V = various

TOTAL NUMBER OF CONTAINERS:

LABORATORY COMMENTS/CONDITION OF SAMPLES:

Cooler Temp:

RELINQUISHED BY: SIGNATURE	PRINTED NAME	COMPANY	DATE	TIME	RECEIVED BY: SIGNATURE	PRINTED NAME	COMPANY
[signature]	Eric Pastor	PBW	6/4/08	1645			
FedEx			6 5 08	857	[signature]	Michelle Raber	GCAL LABORATORY

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PBW/14484/208071047

CHAIN-OF-CUSTODY RECORD AND REQUEST FOR ANALYSIS

PASTOR, BEHLING & WHEELER, LLC

301031

COC No.

PROJECT NO.: 13837 PROJECT NAME: Gulco PAGE: 2 OF: 2

SAMPLER (Signature): PROJECT MANAGER: Eric Pastor DATE: 6/4/

METHOD OF SHIPMENT: FedEx CARRIER/WAYBILL NO.: — DESTINATION: GCAC

Lab No.	Field Sample Identification	Sample Collection: DATE	TIME	Matrix*	Preservation: HCl	HNO_3	H_2SO_4	COLD	FILTRATION*	Containers: VOLUME (ml/oz)	TYPE*	NO.	Constituents/Methods: VOCs	HOLD	RUSH	STANDARD	Remarks
	GW-ED 10 (1-2)	6/4/09	~~1442~~	SE						✓	✓	3	See Attached	11	12	✓	11
	SE-060408-EB		1330	↓								9				✓	12
	SE-060408-FB		1535	↓								9				✓	13
	Trip Blank-1		—	AQ								3	✓			✓	14
	Trip Blank 2		—	↓								3	✓			✓	15
	Trip Blank 3	↓	—	↓								3	✓			✓	16
					TOTAL NUMBER OF CONTAINERS								LABORATORY COMMENTS/CONDITION OF SAMPLES				Cooler Temp:

RELINQUISHED BY: SIGNATURE	PRINTED NAME	COMPANY	DATE	TIME	RECEIVED BY: SIGNATURE	PRINTED NAME	COMPANY
	Eric Pasto	PBW	6/4/09	1645			
FedEx			6:503	857		Michelle Palavia	GCAC

*SE - Water, SO - Soil, SL - Sludge, P - Pesticide, A - Air, OL - Oil

Containers: P - plastic, G - glass, V - VOA, B - Brass, O - Other, F - Filtered, U - Unfiltered

DISTRIBUTION: WHITE - Returned to Originator; YELLOW - Laboratory Copy; PINK - Field Copy

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171704

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	208071047	**Type:**	D
Desc:		**Report:**	REVIEW_RPT
Work ID:	Gulfco Marine Maintenance Site	**Status:**	WP
Project Seq:	75145	**Created:**	7/10/2008 17:12
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**
20807104701-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20807104702-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20807104703-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20807104704-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20807104705-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20807104706-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20807104707-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20807104708-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20807104709-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20807104710-1	16	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20807104711-1	16	NONE			X			X	OK

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20807104712-1	16	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_____ CUSTODIAN_____

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv3.i Injection Date: 02-JUL-2006 21:40
Lab File ID: u7239.d Init. Cal. Date(s): 29-JUN-2006 01-JUL-2006
Analysis Type: WATER Init. Cal. Times: 11:09 11:45
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv3.i/2060702q.s.b/8260Bw3.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
8 Ethyl Ether	0.12921	0.14335	0.14335	0.000	10.94189	30.00000	Averaged	
15 Acetonitrile	0.09870	0.11235	0.11235	0.000	13.82757	30.00000	Averaged	
16 Ally Chloride	0.33333	0.37312	0.37312	0.000	11.93663	30.00000	Averaged	
31 Chloroprene	0.37503	0.40011	0.40011	0.000	6.68726	30.00000	Averaged	
33 Ethyl Acetate	0.12575	0.09966	0.09966	0.000	-20.75102	30.00000	Averaged	
36 Propionitril	0.04201	0.03121	0.03121	0.000	-25.69183	30.00000	Averaged	
41 n-Butanol	0.00661	0.00679	0.00679	0.000	2.78601	30.00000	Averaged	
53 Methyl Methacrylate	0.33896	0.33105	0.33105	0.000	-2.33317	30.00000	Averaged	
27 Isobutyl Alcohol	0.01027	0.00972	0.00972	0.000	-5.36038	30.00000	Averaged	
54 1,4-Dioxane	0.00255	0.00240	0.00240	0.000	-5.71701	30.00000	Averaged	
64 Ethyl Methacrylate	0.35700	0.36104	0.36104	0.000	1.13157	30.00000	Averaged	
81 Cyclohexanone	++++	0.21176	0.21176	0.000	++++	30.00000	Averaged	<-
92 Pentachloroethane	0.44525	0.45835	0.45835	0.000	2.94152	30.00000	Averaged	
102 Benzal Chloride	++++	++++	0.00000	0.000	++++	0.000e+00	Quadratic	<-
4 1,3-Butadiene	0.17276	0.19859	0.19859	0.000	14.95488	30.00000	Averaged	
19 tert-butyl alcohol	0.01758	0.01971	0.01971	0.000	12.10606	30.00000	Averaged	
28 2 Butanol	++++	0.30171	0.30171	0.000	++++	30.00000	Averaged	<-
29 Isopropyl Ether	0.69904	0.79536	0.79536	0.000	13.77803	30.00000	Averaged	
50 2,3Dichloro-1-propene	0.51495	0.57228	0.57228	0.000	11.13237	30.00000	Averaged	
135 Methacrylonitrile	0.20459	0.16878	0.16878	0.000	-17.50373	30.00000	Averaged	
136 Tetrahydrofuran	0.08618	0.06625	0.06625	0.000	-23.12226	30.00000	Averaged	
137 1,5-Cyclooctadiene	0.97008	1.10640	1.10640	0.000	14.05229	30.00000	Averaged	
140 1-Nitropropane	0.11102	0.11438	0.11438	0.000	3.02766	30.00000	Averaged	
141 2-Nitropropane	0.11090	0.11627	0.11627	0.000	4.84246	30.00000	Averaged	
155 2,2,4-Trimethylpentane	1.13637	1.26281	1.26281	0.000	11.12699	30.00000	Averaged	

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GCAL, Inc.

Data file : /var/chem/msv3.i/2060702q.s.b/u7239.d
Lab Smp Id: 1400 Client Smp ID: V3STDAPP9
Inj Date : 02-JUL-2006 21:40
Operator : JCK Inst ID: msv3.i
Smp Info : 1400*V3STDAPP9
Misc Info : MSV~8636~*1*VWM
Comment :
Method : /var/chem/msv3.i/2060702q.s.b/8260Bw3.m
Meth Date : 17-Jul-2006 14:12 rjo Quant Type: ISTD
Cal Date : 01-JUL-2006 11:45 Cal File: u7171.d
Als bottle: 5 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)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
* 48 FLUOROBENZENE	96	4.232	4.232	(1.000)	2990236	50.0000		9028
* 71 CHLOROBENZENE-d5	82	6.454	6.454	(1.000)	1546360	50.0000		9222
* 97 1,4-DICHLOROBENZENE-D4	152	8.877	8.877	(1.000)	1466890	50.0000		9296
8 Ethyl Ether	59	2.245	2.245	(0.530)	2143195	250.000	277	9705
15 Acetonitrile	41	2.623	2.623	(0.620)	1679738	250.000	285	9173
16 Ally Chloride	39	2.623	2.623	(0.620)	1115719	50.0000	56.0	8707
31 Chloroprene	53	3.195	3.195	(0.755)	1196430	50.0000	53.3	9058
33 Ethyl Acetate	43	3.522	3.522	(0.832)	1489962	250.000	198	8535
36 Propionitril	54	3.533	3.533	(0.835)	466690	250.000	186	7294
41 n-Butanol	56	4.387	4.387	(1.037)	101575	250.000	257	9380(M)
53 Methyl Methacrylate	41	4.662	4.662	(1.101)	989910	50.0000	48.8	7014
27 Isobutyl Alcohol	43	3.969	3.969	(0.938)	145384	250.000	237	9285
54 1,4-Dioxane	58	4.707	4.707	(1.112)	179661	1250.00	1180	8724
64 Ethyl Methacrylate	41	5.526	5.526	(1.306)	1079599	50.0000	50.6	9350
81 Cyclohexanone	55	3.871	3.871	(0.600)	654915	100.000		5070(a)

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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
92 Pentachloroethane	167	8.430	8.430	(0.950)	672352	50.0000	51.5	9096
4 1,3-Butadiene	39	1.597	1.597	(0.377)	593845	50.0000	57.5	9619
19 tert-butyl alcohol	59	2.772	2.772	(0.655)	58928	50.0000	56.1	5237
28 2 Butanol	45	2.245	2.245	(0.530)	1804393	100.000		9705(a)
29 Isopropyl Ether	45	3.167	3.167	(0.748)	2378308	50.0000	56.9	9584
50 2,3Dichloro-1-propene	75	4.639	4.639	(1.096)	1711248	50.0000	55.6	9171
135 Methacrylonitrile	41	3.631	3.631	(0.858)	504696	50.0000	41.2	9518
136 Tetrahydrofuran	42	3.688	3.688	(0.871)	990563	250.000	192	9346
137 1,5-Cyclooctadiene	67	7.520	7.520	(1.165)	1710888	50.0000	57.0	9475
140 1-Nitropropane	43	4.931	4.931	(1.165)	342033	50.0000	51.5	9544
141 2-Nitropropane	43	5.463	5.463	(0.846)	179793	50.0000	52.4	9289
155 2,2,4-Trimethylpentane	57	4.100	4.100	(0.969)	3776107	50.0000	55.6	3130(A)

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.
M - Compound response manually integrated.

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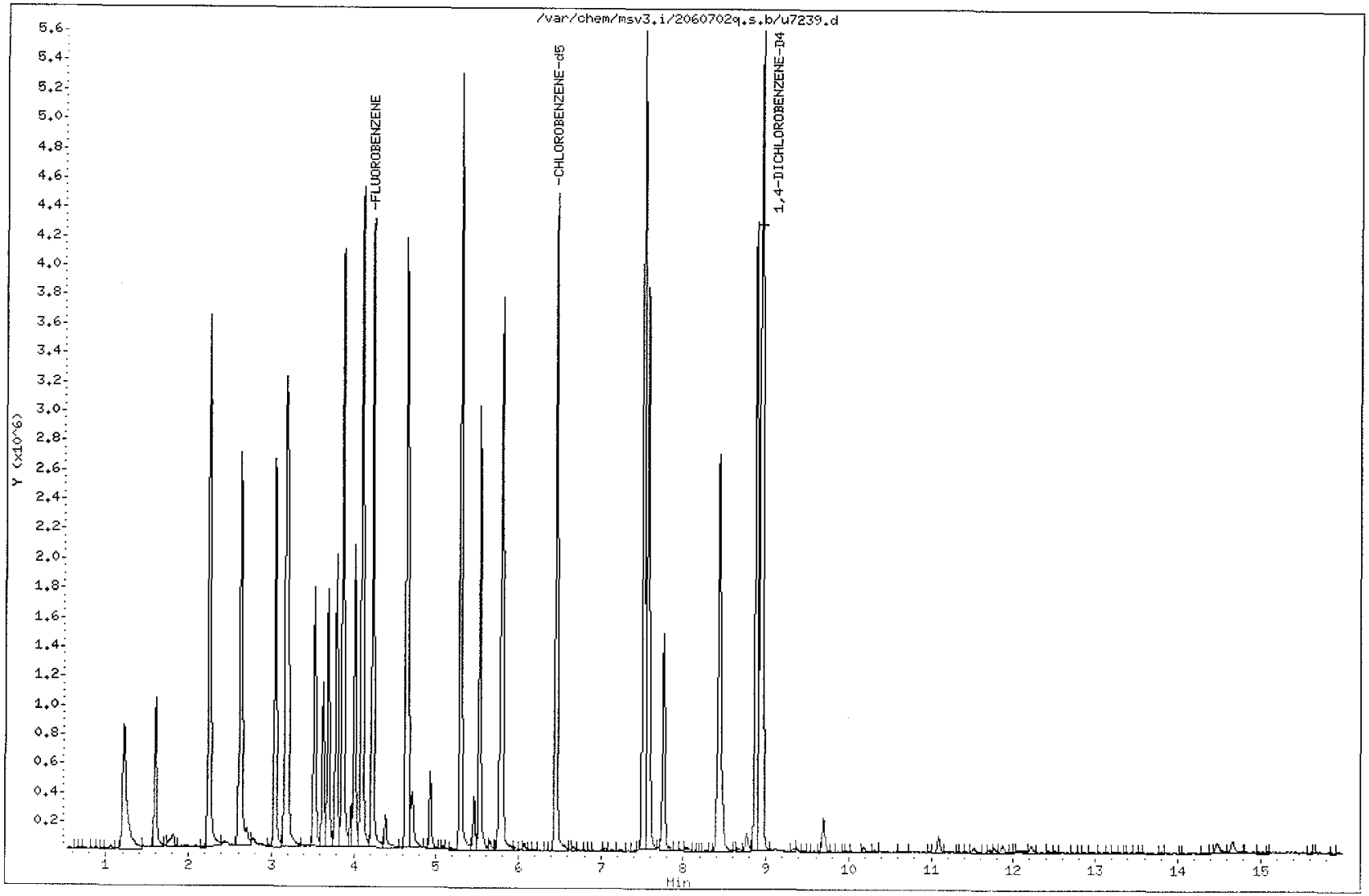
000448D

Data File: /var/chem/msv3.i/2060702q.s.b/u7239.d
Date : 02-JUL-2006 21:40
Client ID: V3STDAPP9
Sample Info: 1400*V3STDAPP9
Purge Volume: 5.0
Column phase: DB-624

Instrument: msv3.i

Operator: JCK
Column diameter: 0.53



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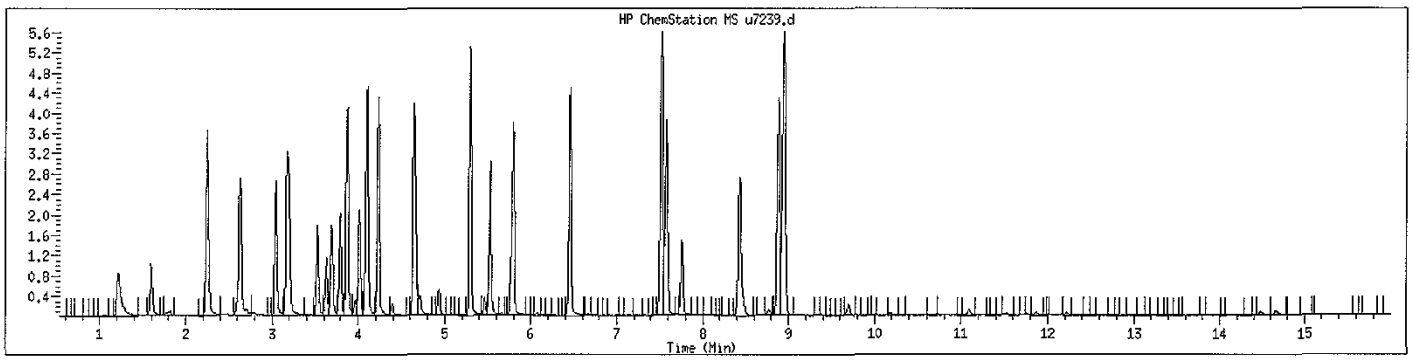
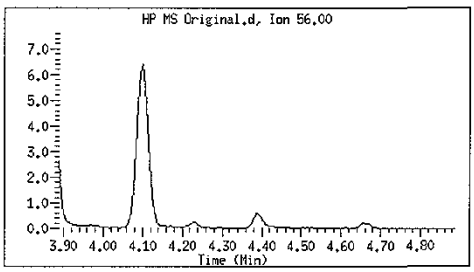
MANUAL INTEGRATION GRAPHIC REPORT

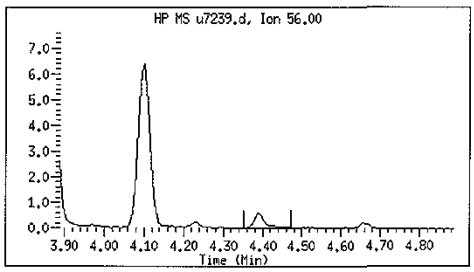
Lab ID : 1400 SampleType : CCALIB_3
Injection Date: 02-JUL-2006 21:40 Instrument : msv3.i
Operator : JCK
Sample Info : 1400*V3STDAPP9
Misc Info : MSV~8636~*1*VWM
Method : /var/chem/msv3.i/2060702q.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



Original Final

41 n-Butanol CAS#: 71-36-3





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